EPA Contract No. 68-W6-0042
EPA Work Assignment No. 142-RICO-01X3

EPA Project Officer: Diana King
EPA Remedial Project Manager: Dave Lederer

INTERIM FINAL
REMEDIAL INVESTIGATION REPORT

Hatheway & Patterson Site
Mansfield, Massachusetts

Volume II

April 2005

Prepared By:

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Team Subcontractor
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Appendix A
Boring Logs and Well Construction Diagrams

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

Boring Log B-1

Project: Hatheway & Patterson **Location: Mansfield, Massachusetts**

Drilling Method: 4 1/4" I. D. Hollow Stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-01-87

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
1	S	11, 7, 5, 3	Dark brown, black FILL, soils and coke
2			
3	S	3, 1, 2, 1	Dark brown fm SAND, little silt
4			
5	S	1, 2, 4, 2	Tan fm SAND, some c sand and fmc gravel
6			
7	S	6, 6, 8, 8	
8			
9	* S	9, 7, 6, 5	Tan cmf SAND and fmc GRAVEL
10			Bottom of Boring 10'
11			
12			

* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-2

Project: Hatheway & Patterson **Location: Mansfield, Massachusetts**

Drilling Method: 4 1/4 " I. D.Hollow stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-01-87

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
1	S	5 2 3	Dark brown, black FILL, ash, silt, coke
2		1	
3	S	1 1 1 1	Rust SILT, little clay, tr sand
4			
5	S	15 19 20	
6		18	
7	S	19 25 28 31	Light brown/tan mfc SAND, some fmc gravel
8			
t 9	* S	30 26 25 25	Brown GRAVEL and mfc SAND
10			Bottom of Boring 10'
11			
12			* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-3

Project: Hatheway & Patterson **Location: Mansfield, Massachusetts**

Drilling Method: 4 1/4 " I. D.Hollow stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-01-87

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
1	S	6 5 6 5	Brown/black FILL, sand and coke
2			
3	S	7 4 4 4	Light brown mfc SAND, tr f gravel
4			
5	S	3 2 3 4	
6			
7	S *	3 3 4 2	
8			
9	S	5 7 6 6	
10			Bottom of Boring 10'
11			
12			* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-4

Project: Hatheway & Patterson **Location: Mansfield, Massachusetts**

Drilling Method: 4 1/4 " I. D.Hollow stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-01-87

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
1	S	2, 10, 8, 13	Brown, black, tan FILL, silt, clay, sand, gravel
2			
3	S	9, 10, 10, 12	
4			Rust mf SAND to mcf SAND and GRAVEL
5	S	13, 18, 20, 18	
6			
7	S		Rust SILT, little clay, stiff
8			
9	S	44, 100/0.1	Cobbles and rock fragments
10			Bottom of Boring 9.6'
11			
12			* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-5

Project: Hatheway & Patterson **Location: Mansfield, Massachusetts**

Drilling Method: 4 1/4 " I. D.Hollow stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-01-87

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
1	S	7 7 7 5	Dark gray/brown and black FILL, silt, clay, gravel
2			Rust/tan fmc SAND, some fm gravel
3	S*	10 20 33 50	
4			
5	S	NS	
6			Gray and green fm SANDSTONE
7	S	18 32 35 50/0.3	
8			Bottom of Boring 7.8
9			
10			
11			
12			

* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring B-6

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

Drilling Method: 4 1/4" I. D. Hollow Stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-02-87

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Depth	Sample	SPT Blow Counts	Description
	S	13,12,22,26	Asphalt
	S	30,25,28,28	FILL, gravel, sand and cinder
			Tan fmc SAND, little fmc GRAVEL
5	S	40,34,25,36	
t	S*	43,43,43,27	Tan fmc SAND and fmc GRAVEL
	S	30,10,10,13	
10	S	5,11,21,8	
	S	5,11,10,15	
15	S	woh,1,10,25	(14-20' increasing fines and coarse gravel)
20	S	50,100/.2	Gray/green CLAY and pieces of vertically fractured shale
			Bottom of Boring 20.7'
25			
30			
35			
40			

* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-7

Project: Hatheway & Patterson **Location: Mansfield, Massachusetts**

		Sample collection	
Drilling Method:	4 1/4 " I. D.Hollow stem Auger		
Driller:	East Coast Drilling	G-grab	T-shelby tube
Geologist:	M. E. Fleming	S-splitspoon	C-rock core
Date:	12-01-87		

Strata Depth	Sample Depth	Blow Count	Description
		5	Asphalt
		3	Black FILL, ash and cinders
1	S	3	Light brown/tan fmc SAND
		8	
2		3	Brown and rust SILT, some clay, little sand
3	S	6	
		9	
		12	
4		16	Tan and light brown cmf SAND, little sand and gravel
	*	16	
5	S	30	
		13	
t 6		30	Tan and light brown cmf SAND and fmc GRAVEL,
		30	
7	S	30	
		19	
8		13	
		13	
9	S	23	
		30	
10			Bottom of Boring 10'
11			
12			* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-8

Project: Hatheway & Patterson **Location: Mansfield, Massachusetts**

Drilling Method: 4 1/4 " I. D.Hollow stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-01-87

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
		25	Cement
		23	Black/dark brown FILL, cinders, silt
1	S	9	Light brown tq green mcf SAND, little silt and gravel
		5	
2		5	
3	S	20	
		30	
		40	
4		27	
5	S	28	
		38	
		25	
t 6		34	
7	S	37	
		50	
		60	
8			Green rock with vertical fractures
9	S	90/0.6	
			Bottom of Boring 9.6'
10			
11			
12			* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-9

Project: Hatheway & Patterson **Location: Mansfield, Massachusetts**

Drilling Method: 4 1/4 " I. D.Hollow stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-03-87

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
		22	Asphalt
1	S	1	Gray and black FILL, sand, gravel and silt
		8	
2		4	
		5	
3	S	8	
		2	
4		2	Black, dark gray and brown c SAND and f GRAVEL
		10	
t 5	S	14	
		18	
6		19	
		16	
7	S	16	
		19	
8		9	
		22	
9	S	14	
		11	
10		17	Bottom of Boring 10'
11			
12			* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring B-10

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

Drilling Method: 4 1/4" I. D. Hollow Stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-02-87

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Depth	Sample	SPT Blow Counts	Description
	S	6,9,15,17	Dark brown/black FILL, cinders
	S	16,32,30,29	Tan/rust mcf to fmc SAND, some mc gravel, loose
5	S	26,26,21,40	
t	S*	25,26,17,14	
	S	24,12,16,42	
10	S	20,41,25,30	Light brown cmf SAND and GRAVEL, little silt, compact
			Rust and brown cm SAND and GRAVEL
15	S	7,20,17,13	
			Green sand, clay and sandy rock fragments
20	S	70, 100/0.2	Bedrock
			Auger Refusal 20.7'
25			
30			
35			
40			

* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring B-11

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

Drilling Method: 4 1/4" I. D. Hollow Stem Auger
Driller: East Coast Drilling
Geologist: M. E. Fleming
Date: 12-03-87

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Depth	Sample	SPT Blow Counts	Description
	S	7,8,9,29	FILL, cinder/brick
	S	60,51,63,84	Rust and tan mfc SAND, some gravel
5	S	32,60,52,50	Light brown fm SAND, little silt
	*S	47,41,100/.5	
			Brown/tan mcf SAND and f GRAVEL
10	S	30,100/0	(11'- vertically fractured rock)
15			Auger Refusal 13.5'
20			
25			
30			
35			
40			

* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-12

Project: Hatheway and Patterson **Location: Mansfield, MA**

Drilling Method: 4 1/4 " Hollow Stem Augers
Driller: T. Cotter
Geologist: R. Werner
Date: January 9, 1989

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
	S	8 6 4 7	Black cinders, fc sand, tr. c gravel. Loose, dry to moist (FILL)
5	S	8 15 27 35	Brown, vfc SAND AND fm GRAVEL. Loose, moist
			Groundwater encountered @ ~9' during drilling
10	S	10 13 9 11	Vari-colored, mc SAND AND f GRAVEL; tr. f sand and m gravel. Very wet, slight oily sheen
			Boring terminated @ 12.0 feet
15			
20			

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-13

Project: Hatheway and Patterson **Location: Mansfield, MA**

Drilling Method: 4 1/4 " Hollow Stem Augers
Driller: T. Cotter
Geologist: R. Werner
Date: January 9, 1989

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
	S	12 14 8 6	Brown, m SAND, tr. f gravel. Loose, dry
5	S	6 15 29 22	Black, c SAND AND GRAVEL. Wet, slight chemical odor Brown c SAND AND f GRAVEL, tr. mc gravel. Moist, slight chemical odor. Broken rock last 2" (boulder)
			Groundwater encountered @ ~9' during drilling
10	S	16 100 3"	Broken rock and mc SAND and f GRAVEL. Saturated Boring terminated @ 10.6 feet
15			
20			

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-14

Project: Hatheway and Patterson **Location: Mansfield, MA**

Drilling Method: 4 1/4 " Hollow Stem Augers
Driller: T. Cotter
Geologist: R. Werner
Date: January 9, 1989

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
	S	2 5 8 8	Orange and Brown, fm SAND, little mc gravel. Loose, dry
5	S	5 19 24 22	Dark Brown, mc SAND AND m GRAVEL. Wet, slight chemical odor (Upper 4") Broken and powdered rock, gray (Lower 10")
			Groundwater encountered @ ~9' during drilling
10	S	4 4 7 6	Brown, mc SAND, some mc gravel. Very loose, saturated, chemical odor
			Boring terminated @ 12.0 feet
15			
20			

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-15

Project: Hatheway and Patterson **Location: Mansfield, MA**

Drilling Method: 4 1/4 " Hollow Stem Augers
Driller: T. Cotter
Geologist: R. Werner
Date: January 10, 1989

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
	G		Orange and Brown, m SAND AND mc GRAVEL, tr. cobbles, tr. f sand. Very loose, moist
5	S	7 15 17 11	Dark Brown, c SAND AND fm GRAVEL. Loose, moist; slight chemical odor
			Groundwater encountered @ ~9' during drilling
10	S	2 2 3 3	Brown and vari-colored, c SAND AND fm GRAVEL, little fm sand. Very loose, very wet; slight oily sheen
			Boring terminated @ 12.0 feet
15			
20			

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-16

Project: Hatheway and Patterson **Location: Mansfield, MA**

Drilling Method: 4 1/4 " Hollow Stem Augers
Driller: T. Cotter
Geologist: R. Werner
Date: January 10, 1989

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
	S	9 26 31 27	Orange and Lt. Brown, m SAND AND f GRAVEL, some broken rock; tr. f sand. Very loose, dry
5	S	13 16 16 21	Vari-colored, mc GRAVEL AND fm SAND , with broken rock. Loose, moist
			Groundwater encountered @ ~9' during drilling
10	S	19 17 12 11	Brown, Broken Rock Fragments and mc SAND AND f GRAVEL. Saturated.
			Boring terminated @ 12.0 feet
15			
20			

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

Boring Log B-17

Project: Hatheway and Patterson **Location: Mansfield, MA**

Drilling Method: 4 1/4 " Hollow Stem Augers
Driller: T. Cotter
Geologist: R. Werner
Date: January 10, 1989

Sample collection
G-grab T-shelby tube
S-splitspoon C-rock core

Strata Depth	Sample Depth	Blow Count	Description
	S	5 12 22 50	4" Black Cinders Broken Cobble, little orange/brown m sand. Dry
5	S	15 29 35 61	Crushed Rock and c GRAVEL, tr. orange fm sand. Loose, dry
			Groundwater encountered @ ~9' during drilling
10	S	60 20 9 9	Vari-colored c SAND, some fc gravel. Loose, very wet
			Boring terminated @ 12.0 feet
15			NOTE: Auger refusal at 7.0' at original location. Boring moved 3.0' to the east along fence line.
20			

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	BR-1
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/09/99
		DATE FINISHED:	02/10/99
DRILLING CO.:	American Drilling	SURFACE ELEVATION:	Unknown
DRILLED BY:	Jack Francis		
INSPECTED BY:	Mark House		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
30'	N/A

	CASING	SAMPLER
TYPE:	HSA	Air Hammer
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	0'-2'		20%	3,7,8,13			Black asphalt material, brown sand, loose, med. sorted with med. gravel	
	2'-4'		80%	17,18,33,35			Chalky, dry, fine SAND, whitish/gray sand, coarse gravel.	
5'	4'-6'		85%	33,18,17,18			Orange/brown, fine SAND, well-sorted w/ coarse gravel chunks	
	6'-8'		85%	8,12,12,30			Med. brown SAND, med.-sorted w/ asphalt bits and coarse gravel, saturated	
10'	8'-10'			17,10/1"		▽	Coarse brown SAND, non-sorted, saturated	
15'							21' TO TOP OF CASING	
20'								
25'								
30'								
35'							Bottom of excavation at 30'	
40'							1'-15' - Grout 15'-16' - Bentonite Seal 20'-25' - Screen	

GENERAL REMARKS:

At 3.5' water color change to charcoal gray - possible fracture zone

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson
PROJECT NO.:	A5580
LOCATION:	Mansfield, MA
DRILLING CO.:	American Drilling
DRILLED BY:	Jack Francis
INSPECTED BY:	Mark House

BORING NO.	BR-2
PAGE 1 OF	1
DATE STARTED:	02/10/99
DATE FINISHED:	02/10/99
SURFACE ELEVATION:	Unknown

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
N/A	N/A

	CASING	SAMPLER
TYPE:	HSA	Air Hammer
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	0'-2'		15%	8,27,28,32			Dry med. GRAVEL, unsorted, muddy/saturated at 1'	
	2'-4'			10,50/3"			Dark gray, med. GRAVEL, with bits of coarse gravel	
5'								
	4'-6'			22,54/6"			Orange/light gray/brown med. SAND with coarse gravel, med. sorted coal ash with brown fine sand, saturated, well sorted	
10'							NO SOIL LITHOLOGY	
15'								
20'								
25'								
30'							Bottom of excavation at 26'	
35'							17' of air hammering 9' of coring 26' well BGS	
40'								

GENERAL REMARKS:

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-1

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 4 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-07-87

Ground Elevation: 176.35 feet
Top of Well Elev.: 176.35 feet
Depth of Well:11 feet

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC; 0.010" slot Screen: (6-11')

CEMENT, GROUT, BENTONITE, SAND PACK, SCREEN, BACKFILL

Depth	Sample	SPT Blow Counts	Description	Construction
	S	12,7,3,4	Dark brown SILT, some clay, tr sand and gravel	
	S	7,13,25,20	Tan and brown f SAND to c GRAVEL	
5	S	40,25,26		
	*S	30,20,9,9		
			Tan mcf SAND, increasing coarse with depth 168	
	S	3,6,8,55	Dark gray and purple vertically fractured sandy rock	
10			Auger Refusal 11'	
15				
20				
25				
30				
35				
40				

* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-2

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 4 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-07-87

Ground Elevation:175.5 feet
Top of Well Elev.: 177.5 feet
Depth of Well:16 feet

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC; 0.010" slot Screen: (6-16')

CEMENT, GROUT, BENTONITE, SAND PACK, SCREEN, BACKFILL

Depth	Sample	SPT Blow Counts	Description	Construction
	S	5,8,9,16	FILL, sawdust, silt and c gravel and silt	
	S	18,20,25,25	Brown and light brown cmf SAND and f GRAVEL	
5	S	14,27,37,52		
	S*	4,24,34,11		
10				
15	S	4,6,8,9	Light brown SAND, some silt	
20	S	6,9,6,7		
			Bottom of Boring 22'	
25				
30				
35				
40				

* Sample Submitted for Analysis

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-3

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 6 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-07-87

Ground Elevation: 175.47 feet
Top of Well Elev.: 178.47 feet
Depth of Well:18 feet

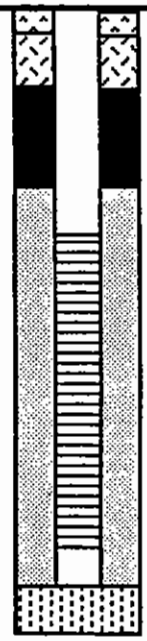
Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material:4" stainless-steel, .010" slot Screen: (7-18')

CEMENT, GROUT, BENTONITE, SAND PACK, SCREEN, BACKFILL

Depth	Sample	SPT Blow Counts	Description
	S	58,84	Dark gray and dark brown FILL, wood, cinder/coke, gravel
	S	4,5,10,20	Brown cmf SAND, some fm GRAVEL
5			
	* S	75,57,55,26	
	S	18,13,33,17	Brown cmf SAND, little silt
10			
15	S	9,8,9,8	Brown cm SAND and g GRAVEL, little silt
20	S	100/.1	Bottom of Boring 19.1'
25			
30			
35			
40			

Construction



* Sample Submitted for Analysis

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-4

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 4 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-08-87

Ground Elevation: 175.51 feet
Top of Well Elev.: 175.51 feet
Depth of Well:17 feet

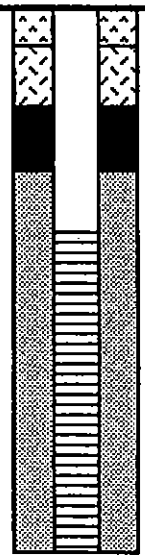
Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC; 0.010" slot Screen: (7-17')

CEMENT, GROUT, BENTONITE, SAND PACK, SCREEN, BACKFILL

Depth	Sample	SPT Blow Counts	Description
	S	5,4,3,2	Black/ dark gray FILL, coke, cinder, ash
	S	3,2,4,5	Tan/rust mfc SAND, little silt, tr f gravel
5	S	3,2,1,1	Black/dark gray FILL, coke, cinders and silt
	S	3,1,1,2	Brown meadowmat
	*S	1,8,10,20	
10			Gray SAND and c GRAVEL
			161.51
15			Gray weathered shale
			Auger Refusal 17'
20			
25			
30			
35			
40			

Construction



* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-5A

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 4 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-04-87

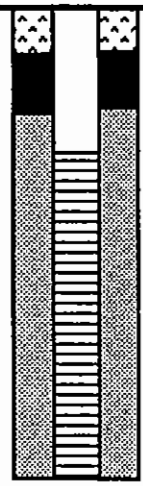
Ground Elevation:175.08 feet
Top of Well Elev.: 177.08 feet
Depth of Well:14.5 feet

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC; 0.010" slot Screen: (4.5-14.5')

CEMENT, GROUT, BENTONITE, SAND PACK, SCREEN, BACKFILL

Depth	Sample	SPT Blow Counts	Description	Construction
			Refer to well log MW-5B	
5				
10				
15			Bottom of Boring 14.5'	
20				
25				
30				
35				
40				



* Sample Submitted for Analysis

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-5B

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 4 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-04-87

Ground Elevation: 176.1 feet
Top of Well Elev.:176.6 feet
Depth of Well:29.2 feet

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC; 0.010" slot
Screen: (19.2-29.2')

CEMENT, GROUT, BENTONITE, SAND PACK, SCREEN, BACKFILL

Depth	Sample	SPT Blow Counts	Description
	S	6,7,6,1	FILL, sand, silt, coke, cinders, gravel, wood
5	S	3,4,4,3	
	S	3,1,2,1	
	S*		
			Greenish brown SAND, little silt and gravel
	S	5,8,10,10	
10	S	11,9,9,10	Greenish gray mcf SAND and fm GRAVEL 10
15	S	5,7,12,15	(increasing coarseness with depth)
20	S	7,8,11,10	20
25	S	10,6,9,7	149.8
			Dark gray weathered rock
30			Auger Refusal 30.7'
35			
40			

Construction

* Sample Submitted for Analysis

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-6

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 4 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-04-87

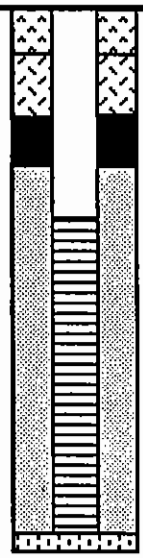
Ground Elevation: 174.81 feet
Top of Well Elev.: 176.81 feet
Depth of Well:16.5 feet

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC; 0.010" slot Screen:(6.5-16.5')

CEMENT, GROUT, BENTONITE, SAND PACK, SCREEN, BACKFILL

Depth	Sample	SPT Blow Counts	Description	Construction
	S	3,6,8,6	Rust and dark gray FILL, sand, silt, clay and gravel	
	S	7,7,11,12		
5	*S	17,9,11,12	Tan and rust mfc to cmf SAND and fcm GRAVEL, tr silt	
	*S		@ 16.4' hit rock	
	S		(16.4' green rock)	
10				
15	S	1,3,11,50/.4	159.81'	
			Auger Refusal 17'	
20				
25				
30				
35				
40				



* Sample Submitted for Analysis

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-7A

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 4 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-03-87

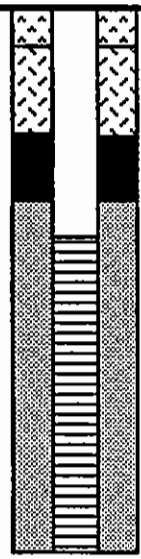
Ground Elevation: 173.51 feet
Top of Well Elev.: 175.51 feet
Depth of Well:17 feet

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC; 0.010" slot Screen: (7-17')

CEMENT
GROUT
BENTONITE
SAND PACK
SCREEN
BACKFILL

Depth	Sample	SPT Blow Counts	Description	Construction
5			Refer to well log MW-7B	
10				
15			Bottom of Boring 17'	
20				
25				
30				
35				
40				



KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-7B

PROJECT: Hatheway & Patterson **LOCATION: Mansfield, Massachusetts**

DRILLING METHOD: 4 1/4 " I.D. Hollow Stem Auger
DRILLER: East Coast Drilling
GEOLOGIST: M. E. Fleming
DATE: 12-08-87

Ground Elevation: 173.6 feet
Top of Well Elev.: 173.6 feet
Depth of Well:35 feet

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC; 0.010" slot Screen:(25-35')

CEMENT, GROUT, BENTONITE, SAND PACK, SCREEN, BACKFILL

Depth	Sample	SPT Blow Counts	Description	Construction
	S	5,8,7,8	Dark brown coarse FILL	
	S	7,10,14,17	Rust/light brown mfc SAND, some gravel, litle silt and clay	
5	S	7,5,3,10		
	S	12,15,16,13		
	*S	7,16,21,11	Brown/green mfc SAND and fm GRAVEL	
10	S	12,16,14,8		
15	S	6,2,1,2		
			Gray/brown fm SAND and SILT	
20	S	2,6,4,6	Brown mcf SAND	
			increasing coarseness	
25	S	5,5,3,1		
30	S	1,6,8,13	Brown cmf SAND some cmf gravel	
			Gray blue CLAY and UNWEATHERED ROCK	
35	S	50/0	Auger Refusal 35'	
			* Sample Submitted for Analysis	
40				

Sheet 1 of 1

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-8A

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

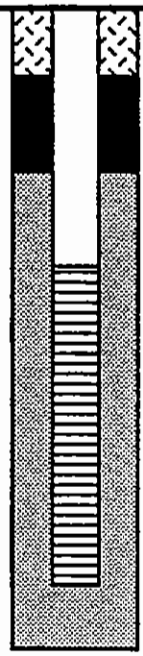
DRILLING METHOD: 4 1/4" Hollow Stem Augers
DRILLER: East Coast Drilling and Boring Co. [F. Cross]
GEOLOGIST: E. J. Kleinkauf
DATE: January 12,1989

Ground Elevation:
Top of Well Elev.: 101.16'
Depth of Well: 18.00'

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description	Construction
5			Refer to well log MW-8B	
10				
15				
20			Boring terminated @ 20.0 feet	
25				
30				
35				
40				

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-8B

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 4 1/4" Hollow Stem Augers / 3 1/2"Rotary
DRILLER: East Coast Drilling and Boring Co. [F. Cross]

GEOLOGIST: E. J. Kleinkauf
DATE: January 10,1989

Ground Elevation:
Top of Well Elev.: 102.05'
Depth of Well: 38.00'

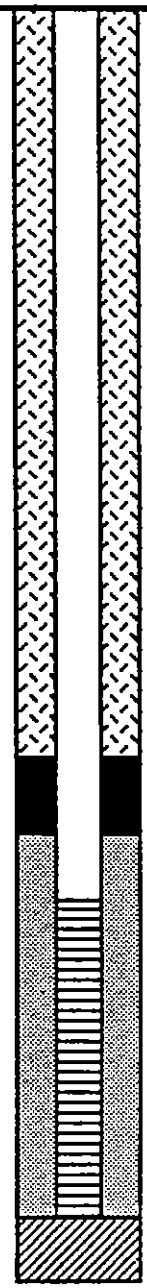
Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description
	S	30,21, 36,24	
	S	30,27, 37,40	
5	S	28,47, 100/6"	Orange/Brown fc SAND, some fm gravel, tr. silt
	S	35,53, 43,34	
10	S	25,16, 14,13	Groundwater encountered @ 10.0' during drilling
	S	18,21, 21,25	Orange/Brown fc SAND, some fm gravel, tr. silt
	S	7,28, 25,20	Dark Brown, fc SAND, tr. f gravel, tr. silt
15	S	9,18, 27,26	
	S	17,21, 15,14	Dark Brown, fc SAND, tr. f gravel, tr. silt
20	S	6,10, 8,75	
	S	100/0"	
	S	35, 100/3"	Dark Brown, fc SAND, tr. f gravel, tr. silt
25	S	29,37, 55,100/4"	Augered through hard material down to 28.5'
			Auger refusal @ 28.5'
30			Rotary drilling down to 40.0'
35			
40			Boring terminated @ 40.0'

Construction



KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-9A

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 6 1/4" Hollow Stem Augers
DRILLER: East Coast Drilling and Boring Co. [T. Cotter]
GEOLOGIST: E. J. Kleinkauf
DATE: January 16,1989

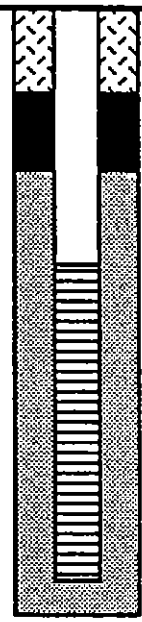
Ground Elevation:
Top of Well Elev.: 101.43'
Depth of Well: 18.00'

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description	Construction
5			Refer to well log MW-9B	
10				
15				
			Auger refusal @ 19.0'	
20			Boring terminated @ 19.0 feet	
25				
30				
35				
40				



KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-9B

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 4 1/4" Hollow Stem Augers / 3 1/2"Rotary GEOLOGIST: R. Werner
DRILLER: East Coast Drilling and Boring Co..[T. Cotter] DATE: January 10,1989

Ground Elevation:
Top of Well Elev.: 101.45'
Depth of Well: 61.00'

Sample Collection:
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description	Construction
	S	20,37, 23,13	SILT, c GRAVEL AND fm SAND. Medium dense, dry. (FILL)	
	S	8,11, 4,7	Brown, f SAND, some silt, little mc gravel. Medium dense, moist	
5	S	10,11, 13,24	Brown, fm SAND, some mc gravel. Loose, dry	
	S	15,20, 27,23	Vari-colored, mc SAND, w/ pieces of granite gravel. Loose,dry	
	S	10,28, 18,11	Brown, fm SAND AND mc GRAVEL. Very loose, dry	
10	S	24,8, 13,29	Brown, mc SAND AND c GRAVEL. Loose, very wet	
15	S	18,16, 19,20	Brown, mc GRAVEL, w/ rock fragments, little fm sand, tr. silt. Loose, very wet	
			Auger Refusal @ 19.5'	
20	S	100/3"	Rotary drilling down to 61.0'	
25				
30			ROCK - light to medium gray diorite	
35				
40				

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-9B

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 4 1/4" Hollow Stem Augers / 3 1/2"Rotary GEOLOGIST: R. Werner
DRILLER: East Coast Drilling and Boring Co. [T. Cotter] DATE: January 10,1989

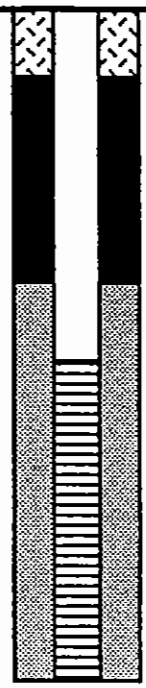
Ground Elevation:
Top of Well Elev.: 101.45'
Depth of Well: 61.00'

Sample Collection:
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description	Construction
45			ROCK - light to medium gray diorite	
50				
55			ROCK - light to medium gray diorite	
60				
			Boring Terminated @ 61.00 feet	
65			NOTE: Groundwater encountered @ 10.0' during drilling	
70				
75				
80				



KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-10

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 6 1/4" Hollow Stem Augers / 5 7/8"Rotary
DRILLER: East Coast Drilling and Boring Co. [T. Cotter]
GEOLOGIST: E. J. Kleinkauf
DATE: January 18,1989

Ground Elevation:
Top of Well Elev.: 94.39'
Depth of Well: 17.00'

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description	Construction
	S	WOH, 4,7	Topsoil	
			Groundwater encountered @ 1.0' during drilling	
	S	10,17, 21,21	Tan/Lt. Brown fc SAND, little fm Gravel, tr. silt. Loose, wet	
5				
			Tan/Lt. Brown fc SAND, tr. fm gravel, tr. silt. Loose, wet	
10	S	5,14, 24,24		
			Augered to 15', getting run-up. Tried drilling to 20' to take sample	
15			Auger refusal @ 17.0'	
			Boring terminated @ 17.0 feet	
20				
25				
30				
35				
40				

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-11

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 4 1/4" Hollow Stem Augers
DRILLER: East Coast Drilling and Boring Co. [T. Cotter]
GEOLOGIST: R. Werner
DATE: January 13,1989

Ground Elevation:
Top of Well Elev.: 102.81'
Depth of Well: 17.00'

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description	Construction
	S	10,8, 3,3	Brown, f SAND AND mc GRAVEL, some silt. Loose, moist	
5	S	25,70 85,96	Mixture of rock fragments, c GRAVEL AND fc SAND, tr. silt. Very loose, dry	
			Groundwater encountered @ 9.0' during drilling	
10	S	100/5"	Vari-colored/Brown, mc SAND, tr. fc gravel. Very loose, very wet	
15	S	11,20 26,25	Brown, mc SAND AND fm GRAVEL. Dense, wet	
20	S	50/6"	Weathered grano-diorite in spoon tip	
			Boring Terminated @ 20.5 feet	
25				
30				
35				
40				

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG MW-12

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 6 1/4" Hollow Stem Augers / 5 5/8"Rotary
DRILLER: East Coast Drilling and Boring Co. [T. Cotter]
GEOLOGIST: E. J. Kleinkauf
DATE: January 17,1989

Ground Elevation:
Top of Well Elev.: 100.19'
Depth of Well: 17.00'

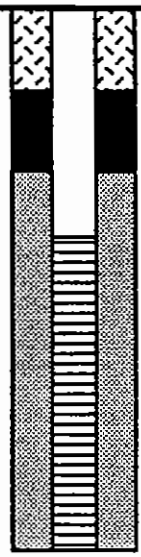
Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description
	S	15,20, 9,9	Brown, fc SAND, some clayey silt, tr. f gravel (FILL)
	S	7,5, 3,3	
5	S	3,3, 4,17	Black, clayey SILT, little fm sand, wood. Strong organic odor (original ground surface)
	S	18,26, 27,30	Tan/ lt. Brown, fc SAND, some fm gravel, tr. silt
	S	18,17, 20,18	Brown, fc SAND, little fm gravel, little silt. Product - greenish color, oily, strong chemical odor
10	S	13,12 12,10	Brown, fc SAND, some fm gravel, tr. silt. Strong chemical odor, slight oily sheen
			Augered down to 15.0'. Approximately 4' of run-up in augers. Washed out but still getting run-up. Told driller to auger down to 20'.
15			Auger refusal @ 17.0'
			Boring terminated @ 17.0 feet
20			NOTE: Groundwater encountered @ 8.0' during drilling
25			
30			
35			
40			

Construction



TRC
Boott Mills South, Foot of John Street
Lowell, Massachusetts 01852
Telephone: 978-970-5600
Fax: 978-453-1995

BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 | **BORING/WELL NUMBER** MW-101R
LOCATION | **DATE DRILLED** 11/18/03
DRILLING CONTRACTOR Geologic Earth Exploration, Inc. | **CASING TYPE/DIAMETER**
DRILLING METHOD Drive and Wash | **SCREEN TYPE/SLOT**
SAMPLING METHOD 2' Split Spoon | **FILTER PACK TYPE**
GROUND ELEVATION | **SEAL TYPE**
TOP OF PVC | **DEPTH TO WATER (Feet)**
LOGGED BY Todd Majer | **GROUND WATER ELEVATION**
REMARKS

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1–4	12-24 18-24 12-16 18-22	6"/24" 7"/24"				Yellow-brown GRAVEL, trace f-m sand, trace silt			
5–8	12-35 34-32 31-36 34-33	8"/24" 8"/24"				Yellow-brown m-c SAND, trace fine sand, 4-6' petroleum odor, 6-8' visual product present in split spoon			
9–10	14-14 16-15	8"/24"				Grey m-c SAND, trace fine sand, trace gravel, petroleum odor			
11–12	15-11 10-10	7"/24"				Grey f-m SAND, trace coarse, trace gravel, slight petroleum odor			
13–14	13-12 14-11	6"/24"				Grey m-c SAND, trace fine sand, trace gravel, weathered rock in core			
15–16	14-14	5"/24"				Seated 6" casing to 16' bgs., weathered rock from 15.5'-18.0' bgs. Roller-bit to 18' bgs, Boulder from 15.5'-18.0'			
17–19						Dk grey weathered rock, 20.7'-26.5' bgs			
20–23									
24						Set 6" Casing			
25–27									
27						Set 4" Casing			
28						Granodiorite, see rock core log for more detail Iron Staining			
29–30									

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** MW-101R

DATE DRILLED 11/18/03

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
31						Vertical Fracture			
32						Vertical Fracture			
33									
34									
35						Iron Staining			
36									
37									
38									
39									
40									
41									
42									
43						Vertical Fracture			
44									
45						Vertical Fracture			
46									
47						End of Rock core @ 47'			

TRC Environmental
Foot of John Street
Boot Mills South
Lowell, MA 01852
Phone: (978) 970-5600
Fax: (978) 453-1995

Rock Core Log

Project:	Project #:	Date:	Page 1 of 4
Hatheway & Patterson	02136-0490-01x33	11/21/2003	

Contractor Personnel:	TRC Oversight Personnel:
Geologic	Todd Majer

Boring/Well Number:	Driller/Equipment:	Elevation: / Orientation: / Time Start: / Time Finish:
MW-101R	Mobile B-57	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
1								See Soil Boring Log for 0-27' bgs.	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 11/21/2003	**Page 2 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** Todd Majer	
Boring/Well Number: MW-101R	**Driller/Equipment:** Mobile B-57	**Elevation:** **Orientation:** **Time Start:** **Time Finish:**	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27	Roller bit from 27-28							See Soil Boring Log for 0-27' bgs.	
28	3 min 45 sec, rough, no water loss	30/36 83%	x	1	5/36 14%	4	Iron Staining	Fine grain Granodiorite	
29	>4 min, rough, no water loss		x			10+			
30									

TRC
TRC Environmental
Foot of John Street
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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 11/21/2003	**Page 3 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** Todd Majer	
Boring/Well Number: MW-101R	**Driller/Equipment:** Mobile B-57	**Elevation:** **Orientation:** **Time Start:** **Time Finish:**	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
	>4 min, rough, no water loss		x			5		Granodiorite with Quartz veins	
31	2 min 30 sec, rough, no water loss	34/36 92%			20/36 56%	4		Fine grained Granodiorite	
32	4 min 20 sec, rough no water loss		x			7	Vertical Fracture		
33	5 min 36 sec, rough, no water loss					1			
34	3 min 35 sec, rough ~25 gal lost	60/60 100%			49/60 82%	2	34.8, yellow staining and iron staining	Fine grained Granodiorite with Quartz veins	
35	2 min 35 sec, rough, no water loss					1			
36	2 min 55 sec, rough, 25-50 gal lost					3			
37	3 min 15 sec, rough no water loss					5			
38	2 min 35 sec, rough, no water loss					3			
39	2 min 25 sec, rough, no water loss	48/48 100%			37/48 77%	5		Fine grained Granodiorite	
40	2 min 45 sec, rough, no water loss					2			
41	2 min 35 sec, rough no water loss					2			
42	2 min 45 sec, rough no water loss					3			
43	4 min 20 sec, rough no water loss	40/48 83%			33/48 69%	1	Vertical Fracture	Fine grained Granodiorite with traces of Quartz veins	
44	4 min 20 sec, rough, no water loss					2			
45									

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 11/21/2003	**Page 4 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** Todd Majer	
Boring/Well Number: MW-101R	**Driller/Equipment:** Mobile B-57	**Elevation:** **Orientation:** **Time Start:** **Time Finish:**	

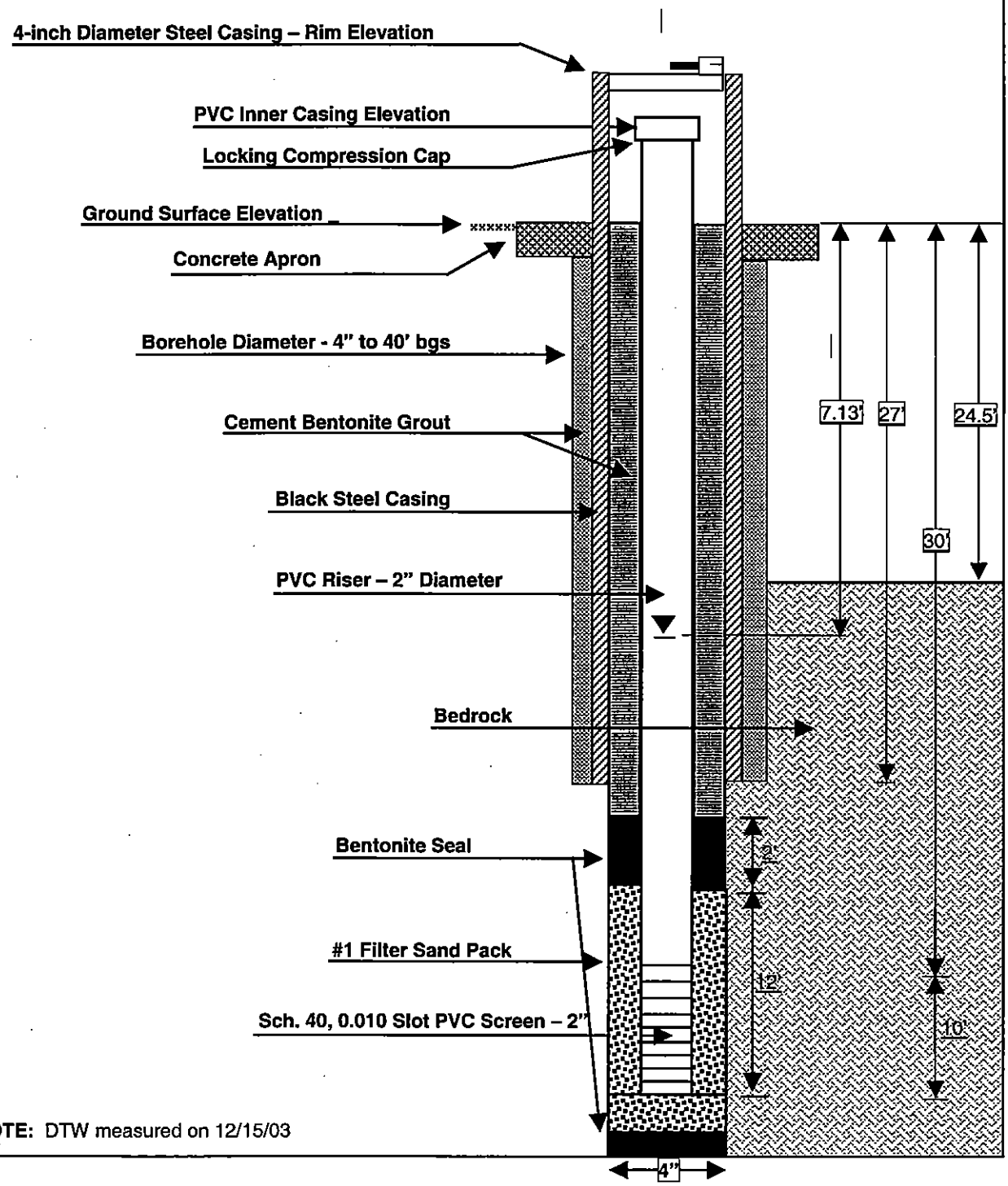
Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Fracture/ Foot	Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
	4 min 45 sec, rough, no water loss					3	Vertical Fracture		
46	4 min 40 sec, rough, no water loss								
47								Bottom of Corehole at 47' bgs.	

TRC

Bedrock
Monitoring Well Construction Log

Well No. MW-101R

Project: Hatheway & Patterson	**No.:** 02136-0490	**Reference Elevation:**	
Client: US EPA	**Date Completed:** 11/25/03	**Reference Description:**	
Location: Northwest of Rumford River		**Permit No.:**	
Drilling Contractor: Geologic	**Method:** Drive&Wash	**Development Date:** 11/25/03	
TRC Geologist: Todd Majer		**Development Method:** Purge	



NOTE: DTW measured on 12/15/03

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** MW-103R
LOCATION **DATE DRILLED** 11/17/03
DRILLING CONTRACTOR Geologic Earth Exploration, Inc. **CASING TYPE/DIAMETER**
DRILLING METHOD Drive and Wash **SCREEN TYPE/SLOT**
SAMPLING METHOD 2' Split Spoon **FILTER PACK TYPE**
GROUND ELEVATION **SEAL TYPE**
TOP OF PVC **DEPTH TO WATER (Feet)**
LOGGED BY Todd Majer **GROUND WATER ELEVATION**
REMARKS

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1	6-12	8"/24"				Orange-yellow m-c SAND, trace fine sand, trace cobbles, trace gravel			
2	17-19								
3	12-8	8"/24"				Black ASH, trace core fragments, trace m-c sand,			
4									
5						Boulder 3.1'-5.5'			
6						No recovery			
7	8-8								
8	3-11								
9						Grey m-c SAND, trace silt, trace fine sand, some cobbles			
10	32-43								
11	52-48					Dense grey m-c SAND + GRAVEL, trace fine sand			
12	52-46								
13	29-41								
14	29-31								
15	26-29								
16	32-36								
17	32-30								
18	36-31	7"/24"							
19	28-31								
20	41-29	8"/24"							
21	38-41								
22	41-35	7"/24"				Grey m-c SAND, trace silt, trace fine sand, trace clay, trace gravel, grey weathered rock in spoon of split spoon			
23	38-29								
24					+ +	Granodiorite, see rock core log for more detail			
25					+ +				
26					+ +				
27					+ +				
28					+ +				
29					+ +				
30					+ +				

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** MW-103R

DATE DRILLED 11/17/03

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
31									
32									
33									
34						Fracture			
35						Horizontal Fracture			
36									
37									
38									
39									
40						Horizontal Fractures			
41									
42									
43									
44									
45						Numerous angular fractures			
46									
47						Bottom of Rock core @ 47'			

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 11/25/2003	**Page 1 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** JJ Callahan, T. Majer	
Boring/Well Number: MW-103R	**Driller/Equipment:** Mobile B-57	**Elevation:** **Orientation:** **Time Start:** 1450 **Time Finish:** 1615	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
1								See Soil Boring Log for 0-27' bgs	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 11/25/2003	**Page 2 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** JJ Callahan, T. Majer	
Boring/Well Number: MW-103R	**Driller/Equipment:** Mobile B-57	**Elevation:** **Orientation:** **Time Start:** 1450 **Time Finish:** 1615	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26								See Soil Boring Log for 0-27' bgs	
27	7 min 40 sec, rough to very rough at times, no water loss	36/36" 100%		3	24/36" 67%	2		Fine grain Granodiorite	
28	6 min 15 sec, rough, no water loss					3			
29	6 min 30 sec, rough, no water loss					3		Rock core jam	
30									

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 11/25/2003	**Page 3 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** JJ Callahan, T. Majer	
Boring/Well Number: MW-103R	**Driller/Equipment:** Mobile B-57	**Elevation:** **Orientation:** **Time Start:** 1450 **Time Finish:** 1615	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
	4 min 20 sec, rough, no water loss	24/24 100%			24/24" 100%	0		Granodiorite with Quartz veins, 31.2 core barrel jam	
31	4 min 45 sec, rough, no water loss					0			
32	5 min 40 sec, rough, water loss ~3.75 gal/min	60/60 100%		3	60/60 100%	1		Fine grained Granodiorite, rock from 32-32.5' required removal from barrel via breaking, fracture at 33.5'	
33	7 min 5 sec, rough, water loss ~3.75 gal/min					0			
34	6 min 30 sec, rough, water loss ~ 3.75 gal/min					1		Fine grained Granodiorite, work stopped at 35' to add rod, restarted at 09:41:40	
35	6 min 30 sec, rough, water loss ~ 3.75 gal/min					0			
36	5 min 55 sec, rough, water loss ~3.75 gal/min					1		Fine grained Granodiorite	
37	4 min 30 sec, rough, water loss ~ 2 gal/min	60/60" 100%		3A	51/60" 85%	1		Fine grained Granodiorite, angular fracture at 37'	
38	4 min 10 sec, rough, water loss ~ 3.75 gal/min					1			
39	3 min 0 sec, rough, water loss ~ 2 gal/min					1			
40	2 min 45 sec, rough, water loss ~ 2 gal/min					0		Fine Grained Granodiorite	
41								Fine grained Granodiorite, angular-horizontal fractures	
42									
43									
44									
45									

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Rock Core Log		**Contractor Personnel:** Geologic		**TRC Oversight Personnel:** JJ Callahan, T. Majer	
Boring/Well Number: **MW-103R**		**Driller/Equipment:** Mobile B-57		**Elevation:** **Orientation:** **Time Start:** 1450 **Time Finish:** 1615	

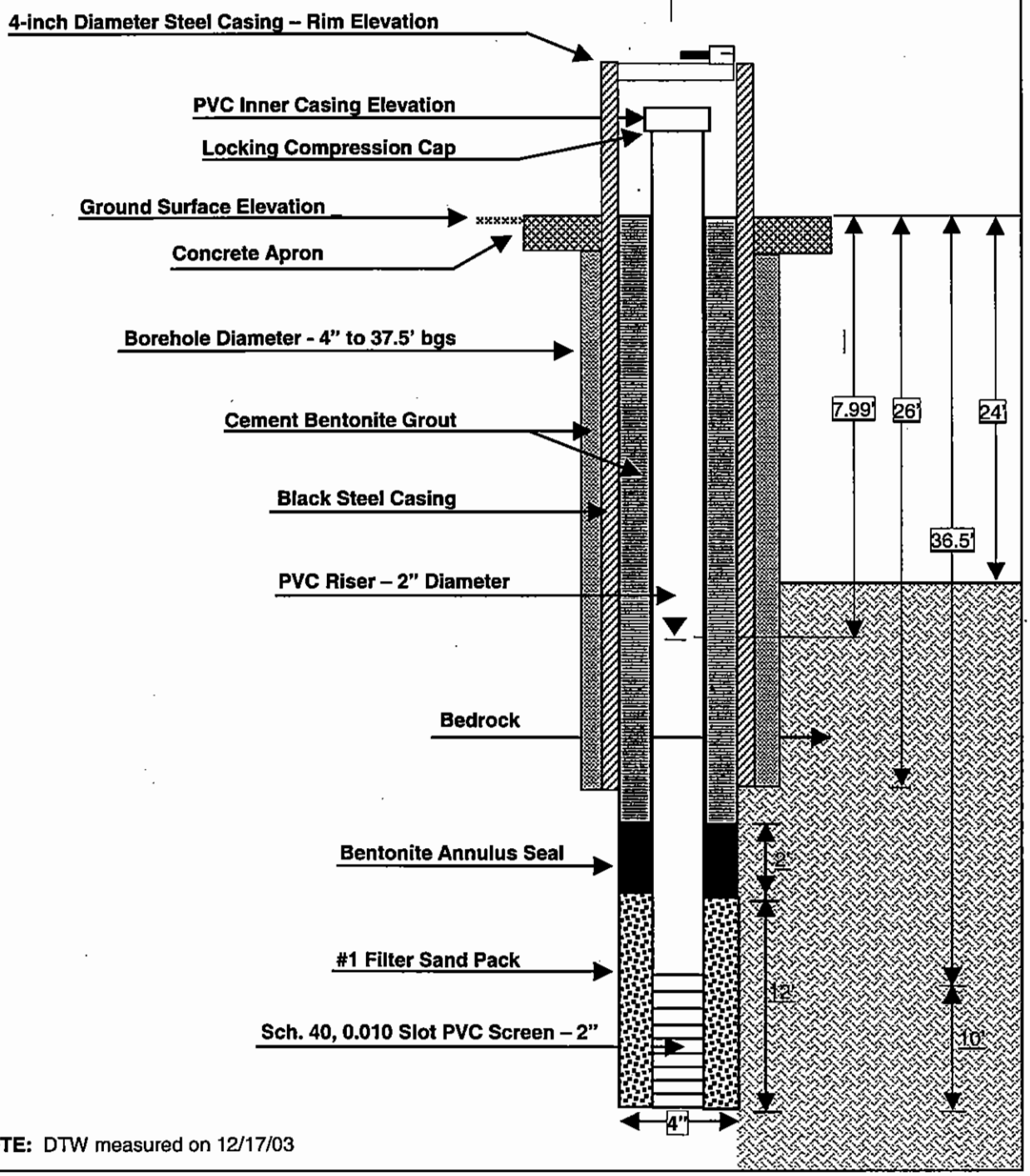
Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
46								Numerous angular fractures, heavy weathering Fine grained Granodiorite	
47								Bottom of Corehole at 47' bgs	

TRC

Bedrock Monitoring Well Construction Log

Well No. MW-103R

Project: Hatheway & Patterson	**No.:** 02136-0490	**Reference Elevation:**	
Client: US EPA	**Date Completed:** 11/26/03	**Reference Description:**	
Location: Northwest of Rumford River		**Permit No.:**	
Drilling Contractor: Geologic	**Method:** Drive&Wash	**Development Date:** 11/26/03	
TRC Geologist: JJ Callahan		**Development Method:** Purge	



NOTE: DTW measured on 12/17/03

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** MW-105R
LOCATION **DATE DRILLED** 11/24/03
DRILLING CONTRACTOR Geologic Earth Exploration, Inc. **CASING TYPE/DIAMETER**
DRILLING METHOD Drive and Wash **SCREEN TYPE/SLOT**
SAMPLING METHOD 2' Split Spoon **FILTER PACK TYPE**
GROUND ELEVATION **SEAL TYPE**
TOP OF PVC **DEPTH TO WATER (Feet)**
LOGGED BY Todd Majer **GROUND WATER ELEVATION**
REMARKS

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1	WOH	0"/24"				Brown-black ORGANIC material			
2									
3	WOH	0"/24"							
4									
5	WOH	0"/24"							
6									
7	WOH-12	4"/24"							
8						Yellow-brown m-c SAND, trace fine sand, 12'-14' trace gravel			
9	12-18	6"/24"							
10	21-23								
11	13-14	7"/24"							
12	15-18								
13	16-26	8"/24"							
14	24-23					Roller bit to 15'			
15						GRAVEL, trace m-c sand			
16	18-32	7"/24"							
17	18-13					GRAVEL, some coarse sand			
18		4"/24"							
19						Grey m-c SAND, some clay some weathered rock			
20	25-17	6"/24"							
21	18-18					Roller bit			
22									
23									
24						Grey m-c SAND + CLAY, trace gravel, trace weathered rock			
25	28-32	9"/24"							
26	38-28								
27	28-29	9"/24"							
28	31-32					Roller bit			
29									
30									

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** MW-105R

DATE DRILLED 11/24/03

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
31									
32									
33									
34									
35						Granodiorite, see rock core log for more detail			
36									
37									
38									
39									
40									
41									
42									
43									
44									
45						Vertical Fracture			
46									
47									
48									
49						Bottom of Rock Core @ 49'			

TRC	TRC Environmental Foot of John Street Boot Mills South Lowell, MA 01852 Phone: (978) 970-5600 Fax: (978) 453-1995	Project: Hatheway & Patterson	Project #: 02136-0490-01x33	Date: 11/24/2003	Page 1 of 4
Rock Core Log		Contractor Personnel: Geologic		TRC Oversight Personnel: JJ Callahan, T. Majer	
Boring/Well Number: MW-105R		Driller/Equipment: CME-55		Elevation: Orientation: Time Start: Time Finish:	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
1								See Soil Boring Log for 0-34.5' bgs.	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

TRC	TRC Environmental Foot of John Street Boot Mills South Lowell, MA 01852 Phone: (978) 970-5600 Fax: (978) 453-1995	**Project:** Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 11/24/2003	**Page 2 of 4**
Rock Core Log		**Contractor Personnel:** Geologic		**TRC Oversight Personnel:** JJ Callahan, T. Majer	
Boring/Well Number: **MW-105R**		**Driller/Equipment:** CME-55		**Elevation:** **Orientation:** **Time Start:** **Time Finish:**	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
16								See Soil Boring Log for 0-34.5' bgs.	
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 11/24/2003	**Page 3 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** JJ Callahan, T. Majer	
Boring/Well Number: MW-105R	**Driller/Equipment:** CME-55	**Elevation:** **Orientation:** **Time Start:** **Time Finish:**	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
31									
32									
33								See Soil Boring Log for 0-34.5' bgs.	
34									
35	>5 min, rough, no water loss	9/12 75%	x	2	0/12 0%	4		Fine grained Granodiorite	
36	Roller-bit from 35.5-38', after two unsuccessful tries								
37									
38	1 min 40 sec, rough, no water loss	55/60 92%		2	10/60 17%	10+		Very weathered fine grained Granodiorite	
39	2 min 35 sec, rough, no water loss					10+			
40	2 min 40 sec, rough no water loss		x			10+			
41	2 min 35 sec, rough, no water loss					10+			
42	2 min 40 sec, rough, no water loss		x			10+			
43	4 min 45 sec, rough, no water loss	26/36 77%			12/36 33%	1		Fine grained Granodiorite with intermittent Quartz veins	
44	4 min 45 sec, rough, no water loss		x			6		Vertical fracture from 44.3 bgs to 44.8 bgs	
45									

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Rock Core Log

Project:	Project #:	Date:	Page 4 of 4
Hatheway & Patterson	02136-0490-01x33	11/24/2003	

Contractor Personnel:	TRC Oversight Personnel:
Geologic	JJ Callahan, T. Majer

Boring/Well Number:	Driller/Equipment:	Elevation:
MW-105R	CME-55	Orientation: Time Start: Time Finish:

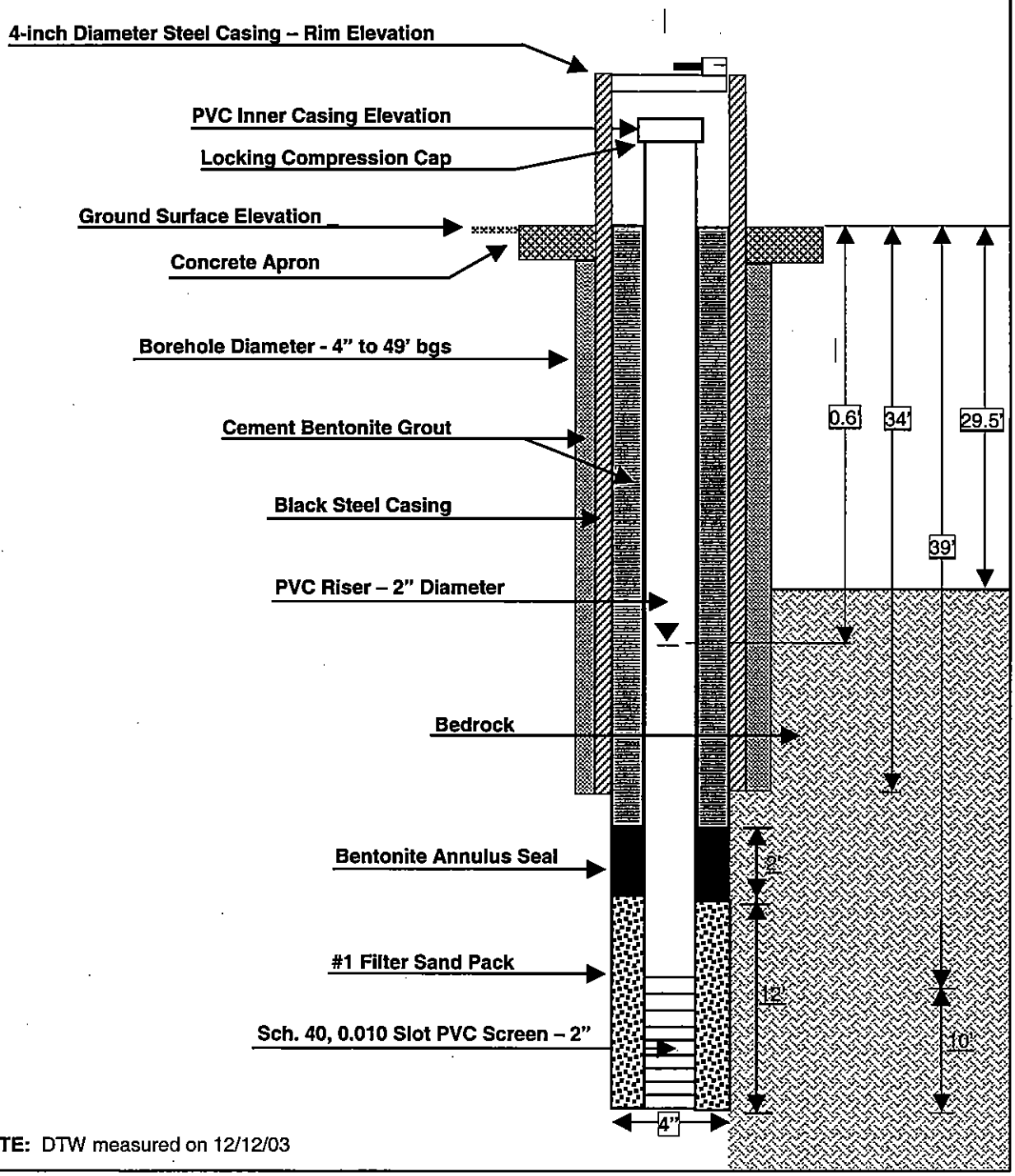
Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
	5 min 35 sec, rough, no water loss		x			10+			
46	4 min 35 sec, rough, no water loss	30/36 83%			10/36 28%	10+		Weathered fine grained Granodiorite	
47	4 min 30 sec, rough, no water loss								
48	3 min 15 sec, rough, no water loss		x						
49								Bottom of Corehole at 49' bgs.	

TRC

Bedrock
Monitoring Well Construction Log

Well No. MW-105R

Project: Hatheway & Patterson	**No.:** 02136-0490	**Reference Elevation:**	
Client: US EPA	**Date Completed:** 11/25/03	**Reference Description:**	
Location: Northwest of Rumford River		**Permit No.:**	
Drilling Contractor: Geologic	**Method:** Drive&Wash	**Development Date:** 11/26/03	
TRC Geologist: Todd Majer		**Development Method:** Purge	



NOTE: DTW measured on 12/12/03

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER	02136-0490-01X33	**BORING/WELL NUMBER**	MW-107R
LOCATION	North of Rumford River	**DATE DRILLED**	9/02/2004
DRILLING CONTRACTOR	Geologic Earth Exploration, Inc.	**CASING TYPE/DIAMETER**	
DRILLING METHOD	Drive and Wash	**SCREEN TYPE/SLOT**	
SAMPLING METHOD		**FILTER PACK TYPE**	
GROUND ELEVATION		**SEAL TYPE**	
TOP OF PVC		**DEPTH TO WATER (Feet)**	
LOGGED BY	Charlie Foster	**GROUND WATER ELEVATION**	
REMARKS			

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1–10						Organic rich PEAT and ROOT matter.			
11						Roller bit to 33' bgs.			
23						Boulder at 23.3' bgs.			
27						Roller bit fell, ~100 gallons water loss @ 27.5' bgs.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** MW-107R

DATE DRILLED 9/02/2004

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
31									
32									
33						See Rock Core Log for 33-47' bgs.			

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Rock Core Log

Project:	Project #:	Date:	Page 1 of 4
Hatheway & Patterson	02136-0490-01x33	9/9/2004	

Contractor Personnel:	TRC Oversight Personnel:
Geologic	JJ Callahan

Boring/Well Number:	Driller/Equipment:	Elevation:
MW-107R	CME-750	Orientation: Time Start: 0800 Time Finish: 1100

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
1								See boring logs for 0-33' bgs.	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/9/2004	**Page 2 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** JJ Callahan	
Boring/Well Number: MW-107R	**Driller/Equipment:** CME-750	**Elevation:** **Orientation:** **Time Start:** 0800 **Time Finish:** 1100	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
16								See boring logs for 0-33' bgs.	
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

TRC	TRC Environmental Foot of John Street Boot Mills South Lowell, MA 01852 Phone: (978) 970-5600 Fax: (978) 453-1995	**Project:** Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/9/2004	**Page 3 of 4**
Rock Core Log		**Contractor Personnel:** Geologic		**TRC Oversight Personnel:** JJ Callahan	
Boring/Well Number: **MW-107R**		**Driller/Equipment:** CME-750		**Elevation:** **Orientation:** **Time Start:** 0800 **Time Finish:** 1100	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Fracture/ Foot	Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
31									
32	Roller Bit to 33' bgs.							See boring logs for 0-33' bgs.	
33	~5 min., Smooth coring to 37', 550 gallons water loss.	5'/2.29'		MW-107R	87%	1	Angular fracture with mineral growth.	Diorite/Granodiorite, phaneritic, holocrystaline.	
34	~5 min.					0			
35	~5 min.					1	Angular fracture with green mineral growth.		
36	~5 min.					0			
37	~5 min.					0			
38	~5 min., Smooth to 42', 400 gallons water loss.	5'/5'		MW-107R	82%	1	Angular planner fracture.		
39	~5 min.					2	Angular and opposite planner fractures.		
40	~5 min.					1	Low angle fracture with coarse surface.		
41	~5 min.					1	Angular, sheering, fracture.		
42	~5 min.					-			
43	4 min., Smooth to 47', 500 gallons water loss.	5'/5'		MW-107R	84%	1	Angular fracture with mineral growth		
44	4 min.					1	Angular fracture with white mineral growth.		
45									

TRC Environmental
Foot of John Street
Boot Mills South
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Rock Core Log

Project:	Project #:	Date:	Page 4 of 4
Hatheway & Patterson	02136-0490-01x33	9/9/2004	

Contractor Personnel:	TRC Oversight Personnel:
Geologic	JJ Callahan

Boring/Well Number:	Driller/Equipment:	Elevation: / Orientation: / Time Start: / Time Finish:
MW-107R	CME-750	Time Start: 0800 Time Finish: 1100

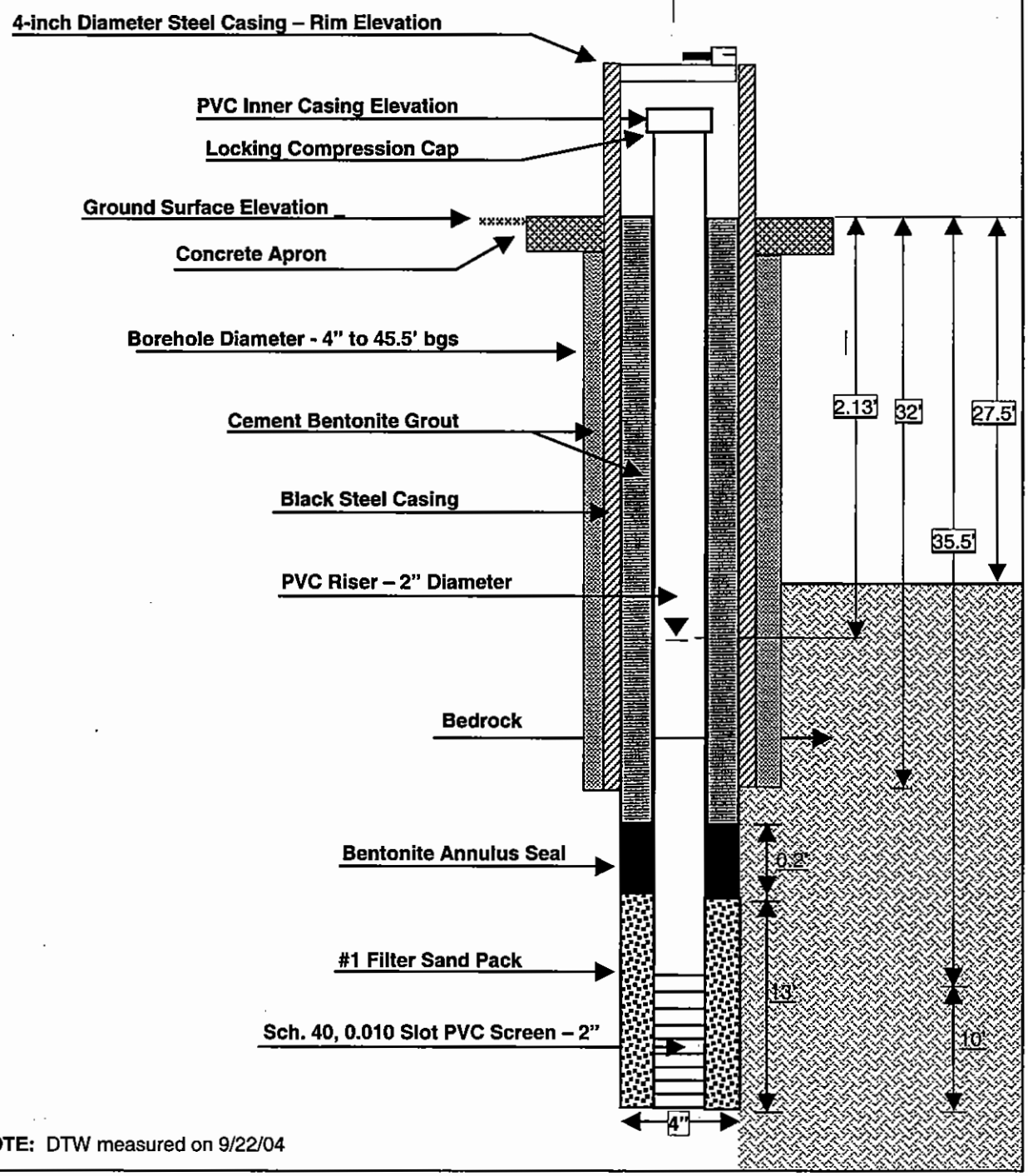
Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Fracture/ Foot	Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
	2.08 min.					2	Angular planner fractures		
46	2.17 min.					3	Angular planner fractures with same orientation		
47	3.5 min.					2	Angular planner fractures.	Bottom of Corehole at 47' bgs.	

TRC

Bedrock Monitoring Well Construction Log

Well No. MW-107R

Project: Hatheway & Patterson	**No.:** 02136-0490	**Reference Elevation:**	
Client: US EPA	**Date Completed:** 9/9/04	**Reference Description:**	
Location: North of Rumford River		**Permit No.:**	
Drilling Contractor: Geologic	**Method:** Drive&Wash	**Development Date:** 9/22/04	
TRC Geologist: JJ Callahan		**Development Method:** Purge	



NOTE: DTW measured on 9/22/04

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER MW-109R
LOCATION Private Property West of Backwash Channel
DATE DRILLED 9/10/04
DRILLING CONTRACTOR Geologic Earth Exploration, Inc.
CASING TYPE/DIAMETER
DRILLING METHOD Drive and Wash
SCREEN TYPE/SLOT
SAMPLING METHOD
FILTER PACK TYPE
GROUND ELEVATION
SEAL TYPE
TOP OF PVC
DEPTH TO WATER (Feet)
LOGGED BY Charlie Foster
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1						Topsoil, organic rich, Peat.			
						Brown, fine SAND and SILT.			
7						Light brown, fine to coarse SAND and SILT.			
15						BOULDER			
						Tan, fine SAND and SILT, some coarse Sand.			
20						Tan, SAND and GRAVEL.			
26						Grey, SILT and SAND, some coarse SAND.			
30									

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** MW-109R

DATE DRILLED 9/10/04

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
31									
32									
33									
34						Weathered Rock.			
35									
36									
37									
38									
39									
40						See Rock Core Log for 40-55' bgs.			

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/15/2004	**Page 1 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** Charlie Foster	
Boring/Well Number: MW-109R	**Driller/Equipment:** CME-750	**Elevation:** **Orientation:** **Time Start:** 0925 **Time Finish:**	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
1								See Soil Boring Logs for 0-40' bgs.	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

TRC	TRC Environmental Foot of John Street Boot Mills South Lowell, MA 01852 Phone: (978) 970-5600 Fax: (978) 453-1995	Project: Hatheway & Patterson	Project #: 02136-0490-01x33	Date: 9/15/2004	Page 2 of 4
Rock Core Log		Contractor Personnel: Geologic		TRC Oversight Personnel: Charlie Foster	
Boring/Well Number: MW-109R		Driller/Equipment: CME-750		Elevation: Orientation: Time Start: 0925 Time Finish:	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
16								See Soil Boring Logs for 0-40' bgs.	
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

TRC	TRC Environmental Foot of John Street Boot Mills South Lowell, MA 01852 Phone: (978) 970-5600 Fax: (978) 453-1995	**Project:** Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/15/2004	**Page 3 of 4**
Rock Core Log		**Contractor Personnel:** Geologic		**TRC Oversight Personnel:** Charlie Foster	
Boring/Well Number: **MW-109R**		**Driller/Equipment:** CME-750		**Elevation:** **Orientation:** **Time Start:** 0925 **Time Finish:**	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
31									
32									
33									
34									
35									
36									
37									
38									
39								See Soil Boring Logs for 0-40' bgs.	
40	3 min/ft	20/60			NA	1		8" Phyllite and quartzite, highly weathered.	
41	5.5 min/ft							12" Dark grey clay and highly weathered Saprolitic Rock.	
42	4 min/ft							Coring suspended @ 45' bgs due to jamming.	
43	4 min/ft								
44	4.5 min/ft								
45									

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/15/2004	**Page 4 of 4**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** Charlie Foster	
Boring/Well Number: MW-109R	**Driller/Equipment:** CME-750	**Elevation:** **Orientation:** **Time Start:** 0925 **Time Finish:**	

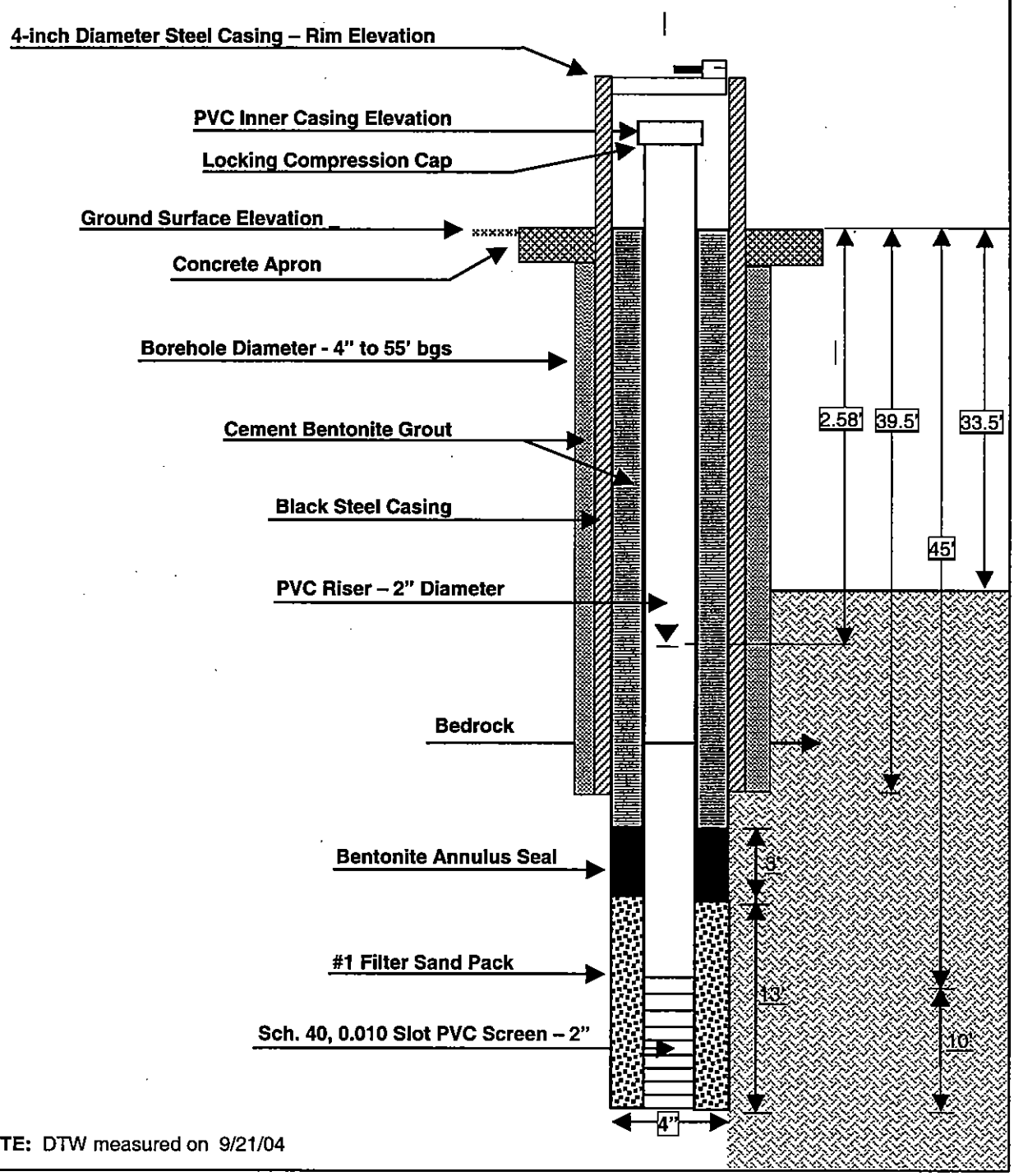
Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
46							Roller Bit 45-55' bgs.	Dark grey to black Phyllite in rollerbit cuttings.	
47									
48									
49									
50									
51									
52									
53									
54									
55								Bottom of Boring at 55' bgs.	

TRC

Bedrock Monitoring Well Construction Log

Well No. MW-109R

Project: Hatheway & Patterson	**No.:** 02136-0490	**Reference Elevation:**	
Client: US EPA	**Date Completed:** 9/15/04	**Reference Description:**	
Location: Private Property West of Backwash Channel		**Permit No.:**	
Drilling Contractor: Geologic	**Method:** Drive&Wash	**Development Date:** 9/21/04	
TRC Geologist: Charlie Foster		**Development Method:** Purge	



NOTE: DTW measured on 9/21/04

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER MW-111R
LOCATION East of Backwash Channel
DATE DRILLED 8/20/04
DRILLING CONTRACTOR Geologic Earth Exploration, Inc.
CASING TYPE/DIAMETER
DRILLING METHOD Drive and Wash
SCREEN TYPE/SLOT
SAMPLING METHOD
FILTER PACK TYPE
GROUND ELEVATION
SEAL TYPE
TOP OF PVC
DEPTH TO WATER (Feet)
LOGGED BY JJ Callahan, C Foster
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
1–11						Organic rich Peat and Root material.			
12–30						Grey, fine to coarse SAND and SILT, some Gravel.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** MW-111R

DATE DRILLED 8/20/04

DEPTH (ft. BGL)	BLOW COUNTS	RECOVERY (feet)	SAMPLE ID.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	PID (ppm)	RAS/DAS ID#	WELL DIAGRAM
31									
32									
33						Boulder			
34									
35									
36									
37						Grey, fine to coarse SAND and GRAVEL.			
38									
39									
40									
41									
42									
43									
44									
45									
46						Weathered rock			
47									
48						Competant rock (Casing grouted in place with 3' stickup)			
49									
50						See Rock Core Log for 50.5-66.5' bgs.			

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/30/2004	**Page 1 of 5**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** Charlie Foster	
Boring/Well Number: MW-111R	**Driller/Equipment:** CME-750	**Elevation:** **Orientation:** **Time Start:** 0827 **Time Finish:** 1017	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
1								See Soil Boring Log for 0-49.5' bgs.	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

TRC	TRC Environmental Foot of John Street Boot Mills South Lowell, MA 01852 Phone: (978) 970-5600 Fax: (978) 453-1995	**Project:** Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/30/2004	**Page 2 of 5**
Rock Core Log		**Contractor Personnel:** Geologic		**TRC Oversight Personnel:** Charlie Foster	
Boring/Well Number: **MW-111R**		**Driller/Equipment:** CME-750		**Elevation:** **Orientation:** **Time Start:** 0827 **Time Finish:** 1017	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
16								See Soil Boring Log for 0-49.5' bgs.	
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

TRC Environmental
Foot of John Street
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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/30/2004	**Page 3 of 5**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** Charlie Foster	
Boring/Well Number: MW-111R	**Driller/Equipment:** CME-750	**Elevation:** **Orientation:** **Time Start:** 0827 **Time Finish:** 1017	

Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/ Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									

TRC	TRC Environmental Foot of John Street Boot Mills South Lowell, MA 01852 Phone: (978) 970-5600 Fax: (978) 453-1995	**Project:** Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/30/2004	**Page 4 of 5**
Rock Core Log		**Contractor Personnel:** Geologic		**TRC Oversight Personnel:** Charlie Foster	
Boring/Well Number: **MW-111R**		**Driller/Equipment:** CME-750		**Elevation:** **Orientation:** **Time Start:** 0827 **Time Finish:** 1017	

Depth	Comments Tests Instrumentation Coring Rate Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities RQD	Fracture/ Foot	Description	Lithology Mineralogy Classification Color Grain Size Alteration Cementation Hardness Weathered State	Graphic Log
46									
47									
48									
49									
50								See Soil Boring/Logs for 0-50.5' bgs.	
51	3 min., 10 gallons water loss	57/60"		1	49/60	0		Grey to black, very fine grained phyllite with quartz bands.	
52	6 min.					0			
53	4 min.		X			2	1-2" Open fracture.		
54	4.25 min.					0			
55	3.75 min.		X			1			
56	3 min., 40 gallons water loss.	60/60"			47/60	0			
57	4 min.					2			
58	5 min.					2	Low angle fractures.		
59	4 min.					1			
60	6 min.					0			

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Rock Core Log

Project: Hatheway & Patterson	**Project #:** 02136-0490-01x33	**Date:** 9/30/2004	**Page 5 of 5**
Contractor Personnel: Geologic		**TRC Oversight Personnel:** Charlie Foster	
Boring/Well Number: MW-111R	**Driller/Equipment:** CME-750	**Elevation:** **Orientation:** **Time Start:** 0827 **Time Finish:** 1017	

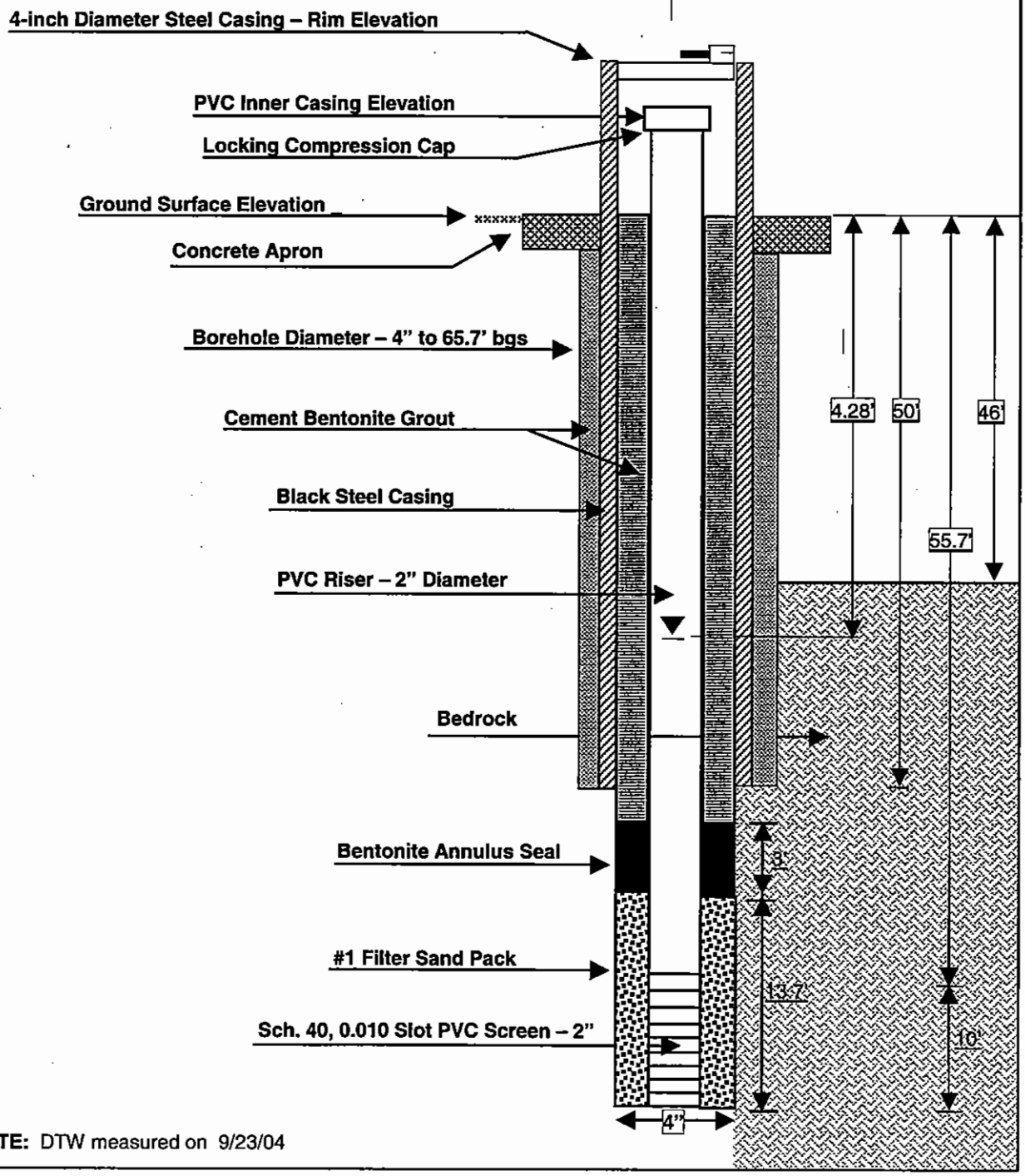
Depth	Comments: Tests, Instrumentation, Coring Rate, Coring Fluid Loss	Core Run Length and Recovery (%)	Core Loss Zone	Box Number	Discontinuities: RQD	Discontinuities: Fracture/Foot	Discontinuities: Description	Lithology: Mineralogy, Classification, Color, Grain Size, Alteration, Cementation, Hardness, Weathered State	Graphic Log
61	4 min.	60/60"			57/60	1			
62	4 min.					1	Low angle fractures		
63	5 min., 20 gallons water loss.					0	Mineralization within joints		
64	4 min.					1	Low angle fractures		
65	4 min.					1			
66								Bottom of Corehole at 66.5' bgs.	

TRC

Bedrock
Monitoring Well Construction Log

Well No. MW-111R

Project: Hatheway & Patterson	**No.:** 02136-0490	**Reference Elevation:**	
Client: US EPA	**Date Completed:** 9/01/04	**Reference Description:**	
Location: East of Backwash Channel		**Permit No.:**	
Drilling Contractor: Geologic	**Method:** Drive&Wash	**Development Date:** 9/23/04	
TRC Geologist: Charlie Foster		**Development Method:** Purge	



NOTE: DTW measured on 9/23/04

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG P-1

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 4 1/4" Hollow Stem Augers
DRILLER: East Coast Drilling and Boring Co. [F. Cross]
GEOLOGIST: E. J. Kleinkauf
DATE: January 9,1989

Ground Elevation:
Top of Well Elev.: 103.22'
Depth of Well: 17.00'

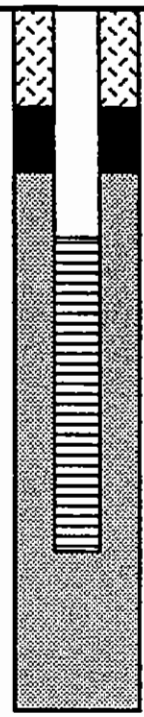
Sample Collection:
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description
	S	3,1, 11,4	Black, fc SAND, tr. silt, tr. wood. Loose, dry, slight organic odor
	S	3,2, 3,2	
5	S	8,31, 63,86	GRAVEL and fc SAND
	S	100/2"	Brown/Tan fc SAND, tr. fm gravel, tr. silt.
	S	47,58, 56,70	Groundwater encountered @ 9.0' during drilling
10			
15	S	31,31, 45,45	Grey, fm SAND, some clayey silt, little fm gravel
20	S	15,25, 26,35	
			Boring terminated @ 22.0 feet
25			
30			
35			
40			

Construction



KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG P-2

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 4 1/4" Hollow Stem Augers
DRILLER: East Coast Drilling and Boring Co. [F. Cross]
GEOLOGIST: E. J. Kleinkauf
DATE: January 9,1989

Ground Elevation:
Top of Well Elev.: 105.90'
Depth of Well: 17.00'

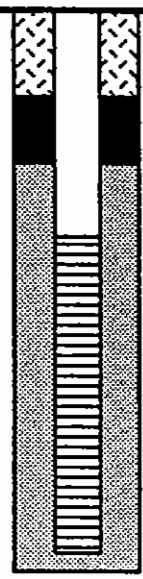
Sample Collection:
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 2" I.D. PVC
Screen: 10' of 2" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description
	S	9,9, 10,10	Black, fc SAND, tr. silt
	S	12,21, 74,64	
5			Brown/Tan, fc SAND AND fm GRAVEL, tr. silt. Loose, dry
	S	50,74, 70,80	
	S	94, 100/5"	Groundwater encountered @ 9.0' during drilling
10	S	19,48,62 100/3"	
			Brown fc SAND, litle fm gravel, little clayey silt. Dense, saturated
15	S	33,55, 100/4"	Auger refusal @ 16.5'
			Rotary drilling down to 17.5'
			Boring terminated @ 17.5 feet
20			NOTE: Hard drilling @ 8.5' (probable cobbles). Moved hole 4' to the west. Augered down to 9' and continued sampling.
25			
30			
35			
40			

Construction



KEYSTONE ENVIRONMENTAL RESOURCES, INC.

WELL LOG PW-1

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 6 1/4" Hollow Stem Augers / 5 7/8"Rotary GEOLOGIST: E. J. Kleinkauf
DRILLER: East Coast Drilling and Boring Co. [T. Cotter/K. Spaar] DATE: January 18,1989

Ground Elevation:
Top of Well Elev.: 98.81'
Depth of Well: 48.50'

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 4" I.D. PVC
Screen: 10' of 4" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description	Construction
	S	8,12, 8,10	Brown, fc SAND, little silt, tr. f gravel (FILL)	
	S	21,13, 6,5	Dk. Brown, fc SAND, tr. silt, tr. wood (FILL)	
5	S	2,2, 5,9	Topsoil - original ground surface	
	S	11,23, 16,15	Tan fc SAND, tr. f gravel, tr. silt Tan/Brown, fc SAND, tr. fm gravel, tr. silt	
	S	5,9, 8,5	Brown, fc SAND, tr. fm gravel, tr. silt	
10	S	3,3, 7,12	Grey and Brown, f SAND, some clayey silt	
	S			
15	S	15,15, 13,16	Brown, fc SAND, little fm gravel, tr. silt	
	S	14,16, 18,12		
			Run-up in augers @ 18', washed out but continued to get run-up. Augering ahead.	
20				
25			Encountered cobbles/boulders continually down to 30'. No samples attempted	
			Auger refusal @ 30'	
30			Rotary drilling down to 50.0'	
35				
40				

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

WELL LOG PW-1

PROJECT: Hatheway and Patterson **LOCATION: Mansfield, MA**

DRILLING METHOD: 6 1/4" Hollow Stem Augers / 5 7/8"Rotary GEOLOGIST: E. J. Kleinkauf
DRILLER: East Coast Drilling and Boring Co. [T. Cotter/K. Spaar] DATE: January 18,1989

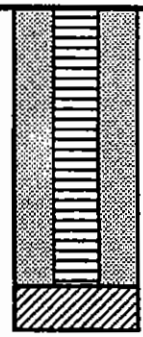
Ground Elevation:
Top of Well Elev.: 98.81'
Depth of Well: 48.50'

Sample Collection
G-grab T-shelby tube
S-splitspoon C-rock core

Casing Material: 4" I.D. PVC
Screen: 10' of 4" I.D. PVC (0.010" slots)

GRAVEL PACK
BENTONITE
GROUT
SCREEN
CAVE-IN

Depth	Sample	SPT Blow Counts	Description	Construction
45			Rotary drilling down to 50.0'	
50			Boring terminated @ 50.0 feet	
55			NOTE: Groundwater encountered @ 8.0' during drilling	
60				
65				
70				
75				
80				



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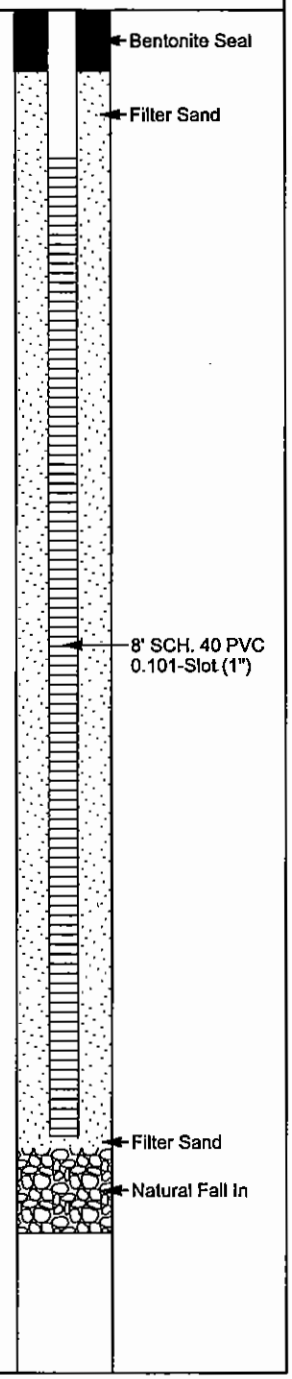
BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER PZ-001
LOCATION
DATE DRILLED 11/15/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT SCH. 40 PVC, 0.101-Slot (1")
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE #1 Filter Sand
GROUND ELEVATION
SEAL TYPE Medium Bentonite Chips
TOP OF PVC
DEPTH TO WATER (feet below ground) 2.20 ft bgs
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#
0					No Recovery.		
2		1.8/4			Brown-dark brown, damp, fine SAND and SILT, some fiberous roots.	ND	
					Dark brown, damp, fine to medium SAND, little coarse sand, little fibers, trace silt.		
3					White ROCK.		
					Light gray, damp increasing to wet towards bottom, fine to coarse SAND, little gravel towards bottom.		
4					No Recovery.		
5					Light gray-brown, wet, fine to coarse SAND, trace fine gravel.		
					Gray, wet, fine SAND and SILT.		
6		3.0/4			Olive-light gray, wet, fine to medium SAND and SILT, some coarse gravel.	ND	
7					Olive-light gray, wet, medium to coarse SAND, little fine to coase gravel.		
8					Olive-light gray, wet, medium to coarse SAND, little fine to coarse gravel, trace fine sand.		
9		2.0/2				ND	
10					End of Boring.		

WELL DIAGRAM



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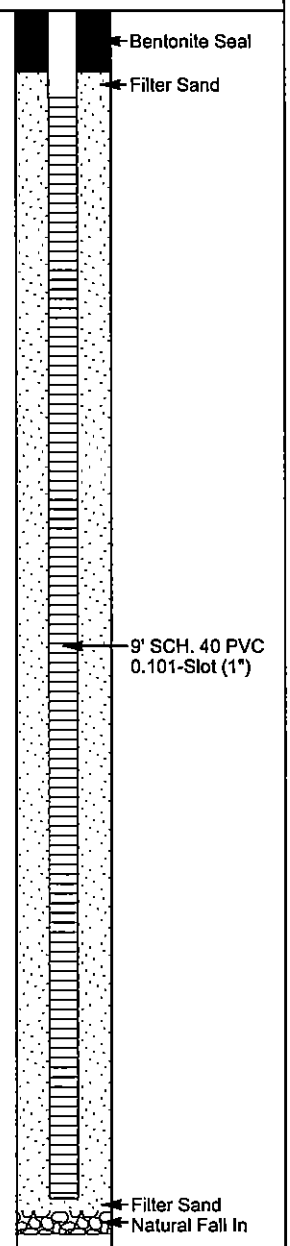
BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER PZ-002
LOCATION
DATE DRILLED 11/18/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT SCH. 40 PVC, 0.101-Slot (1")
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE #1 Filter Sand
GROUND ELEVATION
SEAL TYPE Medium Bentonite Chips
TOP OF PVC
DEPTH TO WATER (feet below ground) 0.28 ft bgs
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#
0					No Recovery.		
1							
2		0.4/4				ND	
3							
					Dark brown, wet, SILT, little fine sand, little fibrous roots.		
4					No Recovery.		
5							
					Dark brown, wet, SILT, little fibrous roots, little fine sand.		
6		2.8/4				0.6	
					Brown, wet, SILT, little fibrous roots, little fine sand.		
7					Light brown, wet, SILT, some fibrous roots, little fine sand.		
8					No Recovery.		
9		0.8/2				ND	
					Olive-tan, wet, SILT, little clay, little fine sand.		
10					End of Boring.		



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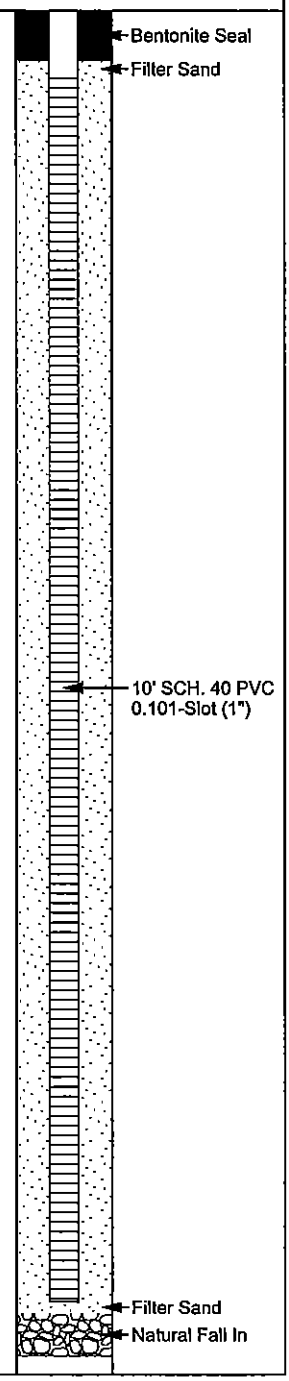
BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER PZ-004
LOCATION
DATE DRILLED 11/15/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT SCH. 40 PVC, 0.101-Slot (1")
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE #1 Filter Sand
GROUND ELEVATION
SEAL TYPE Medium Bentonite Chips
TOP OF PVC
DEPTH TO WATER (feet below ground) 0.10 ft bgs
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#
0					No Recovery.		
2		1.0/4				ND	
3					Dark brown, damp, SILT and ROOT FIBERS.		
					Brown, damp, SILT, little fine sand, little roots.		
4					No Recovery.		
6		1.5/4				ND	
7					Brown, wet, SILT, little fine sand, trace roots.		
					Dark brown, wet, SILT and small fibrous ROOTS, trace fine sand.		
					Olive-light gray, wet, SILT, little clay, little fine sand.		
8					End of Boring.		



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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER PZ-005
LOCATION
DATE DRILLED 11/15/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT SCH. 40 PVC, 0.101-Slot (1")
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE #1 Filter Sand
GROUND ELEVATION
SEAL TYPE Medium Bentonite Chips
TOP OF PVC
DEPTH TO WATER (feet below ground) 0.07 ft bgs
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS Location: in woods ~5 ft. from backwash channel.

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery. Dark brown, very soft, SILT, some fibers in tip of spoon.			Bentonite Seal
1								Filter Sand
2		0.0/4				ND		
3								
4					Orange-brown, wet, WOOD.			
5								
6		4.0/4				ND		10' SCH. 40 PVC 0.101-Slot (1")
7								
					Olive-light gray, wet, SILT, little clay, trace fine sand.			
8					No Recovery.			
9		0.8/2				ND		
					Olive-light gray, wet, SILT, little clay, trace fine sand.			
10					End of Boring.			
11								

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** PZ-005

DATE DRILLED 11/15/02

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
12								Filter Sand Natural Fall In

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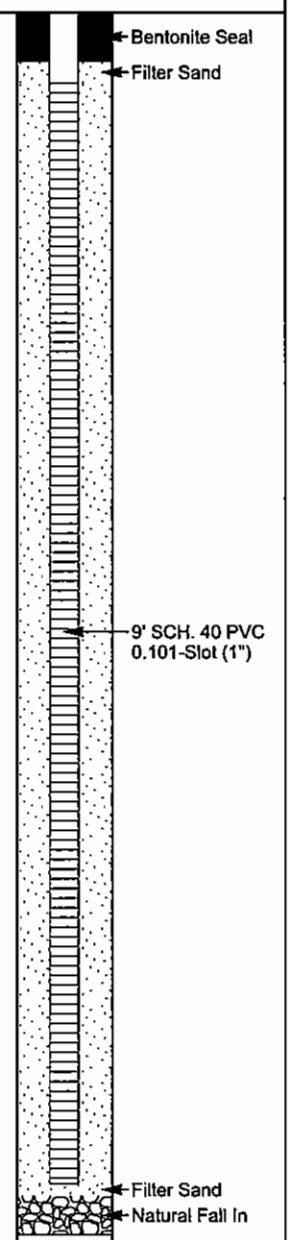
BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER PZ-006
LOCATION
DATE DRILLED 11/18/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT SCH. 40 PVC, 0.101-Slot (1")
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE #1 Filter Sand
GROUND ELEVATION
SEAL TYPE Medium Bentonite Chips
TOP OF PVC
DEPTH TO WATER (feet below ground) 0.55 ft bgs
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#
0					No Recovery.		
2		2.0/4			Dark brown, damp, SILT, some fibrous roots, trace fine sand.	ND	
					Olive-dark brown, damp, SILT, little clay, trace fine sand.		
4					No Recovery.		
6		0.8/4				ND	
7					Brown, wet, SILT, some fibrous roots, little clay, trace fine sand.		
8					No Recovery.		
9		0.0/2				ND	
10					End of Boring.		



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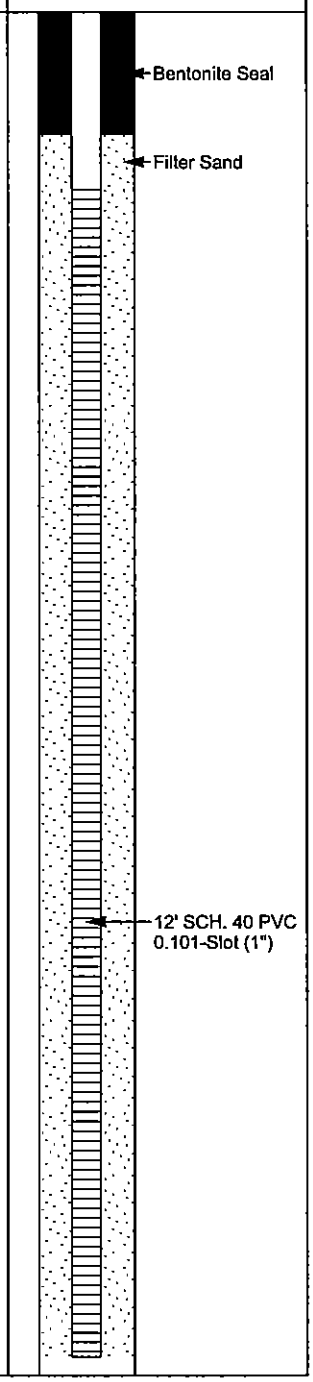
BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER PZ-007
LOCATION
DATE DRILLED 11/18/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT SCH. 40 PVC, 0.101-Slot (1")
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE #1 Filter Sand
GROUND ELEVATION
SEAL TYPE Medium Bentonite Chips
TOP OF PVC
DEPTH TO WATER (feet below ground) 3.61 ft bgs
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS Location: well is at CPT location D-4.

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#
0					No Recovery.		
2		2.15/4			Brown, damp, fine SAND, little roots, little gravel, little silt.	ND	
					Black, damp, fine to medium SAND, little coal.		
3					Brown, damp, fine SAND, little silt, trace fine gravel.		
					Brown, damp, medium SAND, some fine to coarse gravel, trace fine sand.		
4					No Recovery.		
6		2.6/4			Light brown, damp, medium SAND, little fine to coarse gravel, trace fine sand.	17	
8					Olive-brown, wet, medium SAND and GRAVEL, little fine sand.		
					No Recovery.		
10		1.9/4			Brown, wet, fine to medium SAND, little coarse sand.	34	
					Olive-brown, wet, fine to coarse SAND.		
11							



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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** PZ-007

DATE DRILLED 11/18/02

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
					Light brown, wet, fine to medium SAND.			
					Olive-brown, wet, coarse SAND, little fine to medium sand. Visible product (brownish-black).			
12					Light brown, wet, fine to medium SAND, trace coarse sand.			
					Light brown, wet, fine to medium SAND grading to fine to coarse SAND and GRAVEL. Sheen on water in sleeve.			
13		2.0/2				28		Filter Sand
14					End of Boring.			Natural Fall In

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER PZ-008
LOCATION
DATE DRILLED 11/18/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT SCH. 40 PVC, 0.101-Slot (1")
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE #1 Filter Sand
GROUND ELEVATION
SEAL TYPE Medium Bentonite Chips
TOP OF PVC
DEPTH TO WATER (feet below ground) 6.20 ft bgs
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS Location: well is at CPT location G-2.

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			Bentonite Seal
1								
					Brown-dark brown, damp, fine to medium SAND and SILT, little fibrous roots. Black 1/2" section at 1.6-1.65 ft.			Filter Sand
2		2.6/4			Orange-light brown, damp-wet, fine to medium SAND, little silt, little coarse gravel, trace coal.	ND		
3					Black, damp, fine to medium SAND, little coarse sand, little fine gravel.			
4					No Recovery.			
5								
6		2.35/4			Black, wet, fine to medium SAND, little silt, trace coarse sand.	33		
7					Brown-light brown, damp, fine to coarse SAND, trace fine gravel.			10' SCH. 40 PVC 0.101-Slot (1")
					Light gray ROCK.			
8					No Recovery.			
9								
					Light olive-brown, wet, fine to coarse SAND, little fine gravel.			
10		2.9/4				4		
					Light gray, wet, fine SAND and SILT, trace clay.			
11					Light gray, wet, fine SAND, little silt. Sheen on water in			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** PZ-008

DATE DRILLED 11/18/02

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
					sleeve.			
12					Olive-gray, wet, fine to medium SAND, trace coarse sand.			
13		2.0/2				1.7		Filter Sand / Natural Fall In
14					End of Boring.			

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-1
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/03/99
		DATE FINISHED:	02/03/99
DRILLING CO.:	American Drilling	SURFACE ELEVATION:	Unknown
DRILLED BY:	Jack Francis		
INSPECTED BY:	Mark House		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
8'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	4-1/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	0'-2'	S-1	50%	6,7,6,7			(0'-1.5') Black, med.-coarse SAND, trace gravel, moist, loose (1.5'-2') Gray, silty med. SAND, trace gravel & clay, moist, loose	
	2'-4'	S-2	25%	12,7,7,4			(2'-4') SAME AS ABOVE, dry	
5'	4'-6'	S-3	40%	3,3,1,2			(4'-6') Reddish-brown, fine-med. SAND, loose, dry	
	6'-8'	S-4	30%	3,7,18,18			(6'-8') Light brown, fine-coarse SAND & GRAVEL, loose to med. dense, moist	
10'	8'-10'	S-5	25%	10,17,20,21			(8'-10') SAME AS ABOVE more gravel, wet	
15'								
	15'-17'	S-6	25%	13,14,22,10			(15'-16.5') SAME AS ABOVE, wet (16.5'-16.8') Reddish-brown, fine-med. SAND, med. dense, wet (16.8'-17') Gray, fine SAND & CLAY, stiff, wet	
20'							Bottom of excavation at 19'	
25'							4' Riser 15' Screen - 0.010 slot Bentonite at 2'-3'	
30'								
35'								
40'								

GENERAL REMARKS:

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-2
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/08/99
		DATE FINISHED:	02/08/99
DRILLING CO.:		SURFACE ELEVATION:	Unknown
DRILLED BY:			
INSPECTED BY:	Julie Kopp		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
5'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	1'-2'		15%	8,10			Dark black, med. SAND, well sorted	
	2'-4'		95%	7,4,3,3			Fine, brown SAND, well sorted	
5'	4'-6'		60%	2,4,7,8		▽	(4'-5') Black, med. SAND, well sorted	
	6'-8'			8,8,11,10			(5'-6') Brown, med. SAND, well sorted, saturated Brown, med.-fine SAND, well sorted, saturated	
10'	8'-10'			6,10,15,4			Fine brown SAND, well sorted	
15'								
20'							Bottom of excavation at 15'	
25'							Water table at 5' 15' well (bgs) Screen set 3' above water table or 2' bgs 2' casing	
30'								
35'								
40'								

GENERAL REMARKS:

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-3
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/04/99
		DATE FINISHED:	02/04/99
DRILLING CO.:		SURFACE ELEVATION:	Unknown
DRILLED BY:			
INSPECTED BY:	Julie Kopp		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
10'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	0'-2'		15%	8,11,11,15			(0'-1.5') Light gray, med. grained, non-sorted SAND, med. gravel	
							(1.5'-2') Orange, med. sorted med. gravel	
	2'-4'		10%	22,45,50/3"			(2'-2.5') Med. sorted GRAVEL with coarse brown sand & gravel	
5'							(2.5'-4') Med. GRAVEL, dark brown sand, black particles mixed' with sand, med. sorted	
	4'-6'		15%	N/A			REFUSAL-Orange/brown med. SAND, black coarse gravel	
10'							Auger to 10'-15% recovery	
	10'-12'		15%	22,23,27,22			Fine gray SAND mixed with silt, med. ground gravel, chunks of bedrock	
15'							(15'-15.5') Coarse GRAVEL and brown sand, saturated	
	15'-16.4'		45%	28,52,40/4"			(15.5'-16.4') Gray silt with articles of coal tar and brown med. sand, stiff, no elasticity	
20'							Bottom of excavation at 16.4'	
							Water table at 10'	
25'							Screen set at 7.5' bgs	
							Screen from 7.5'-15'	
30'								
35'								
40'								

GENERAL REMARKS:

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-4
PROJECT NO.:	A5580 .	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/04/99
		DATE FINISHED:	02/04/99
DRILLING CO.:		SURFACE ELEVATION:	Unknown
DRILLED BY:			
INSPECTED BY:	Julie Kopp		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
6'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
5'							(0'-1.5') Brown, fine-coarse SAND, fine-coarse gravel, some silt (1.5'-2.25') Black, organic, fine-coarse SAND, possible coal ash (2.25'-2.75') Brown, very fine-coarse SAND and SILT, some fine-med. gravel	
10'							(4'-4.25') Black, organic, fine-coarse SAND, possible coal ash (4.25'-4.5') Brown, very fine-coarse SAND and SILT, some fine-coarse gravel (4.5'-6') Tan, very fine-med. SAND, some fine-med. gravel	
15'								
20'							Bottom of excavation at 17' Water table at 6' 2' Stickup 3' screen above water table	
25'								
30'								
35'								
40'								

GENERAL REMARKS:

Soil lithology taken from GP-23

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-5 (REFUSAL)
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/05/99
		DATE FINISHED:	02/05/99
DRILLING CO.:	American Drilling	SURFACE ELEVATION:	Unknown
DRILLED BY:	Jack Francis		
INSPECTED BY:	Mark House		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
6'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
5'							NO SOIL LITHOLOGY	
10'							Bottom of excavation at 10'	
15'							Auger to 10'-REFUSAL Screen from 3'-10' BGS Water table at 6'	
20'								
25'								
30'								
35'								

GENERAL REMARKS:

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-5
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/05/99
		DATE FINISHED:	02/05/99
DRILLING CO.:	American Drilling	SURFACE ELEVATION:	Unknown
DRILLED BY:	Jack Francis		
INSPECTED BY:	Mark House		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
6'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	0'-2'		20%	3,7,8,13			Black asphalt material, brown sand, loose, med. sorted with med. gravel	
	2'-4'		80%	17,18,33,35			Chalky, dry, fine SAND, whitish/gray sand, coarse gravel	
5'	4'-6'		85%	33,18,17,18			Orange/brown, fine SAND, well-sorted w/ coarse gravel chunks	
	6'-8'		85%	8,12,12,30			Med. brown SAND, med.-sorted w/ asphalt bits and coarse gravel, saturated	
	8'-10'			17,10/1"			Coarse brown SAND, non-sorted, saturated	
10'							Bottom of excavation at 10'	
15'								
20'								
25'								
30'								
35'								
40'								

GENERAL REMARKS:

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-6
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/08/99
		DATE FINISHED:	02/08/99
DRILLING CO.:		SURFACE ELEVATION:	Unknown
DRILLED BY:			
INSPECTED BY:	Julie Kopp		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
6'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
5'	4'-6'		10%	7,18,28,18			Black, fine SAND (black beauty) with coarse gravel, unsorted, med. brown sands, aturated	
10'	8'-10'		5%	28,20,20,25			Fine SAND, well sorted, coarse gravel, coarse sand, saturated	
15'								
20'							Bottom of excavation at 15'	
25'							Water table at 6'	
30'							Screen set 3' above water table or 2' bgs	
35'							2' casing	
40'								

GENERAL REMARKS:

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-7
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/04/99
		DATE FINISHED:	02/04/99
DRILLING CO.:		SURFACE ELEVATION:	Unknown
DRILLED BY:			
INSPECTED BY:	Julie Kopp		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
6'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	0'-2'		15%	8,27,28,32			Dry med. GRAVEL, unsorted, muddy/saturated at 1'	
	2'-4'			10,50/3"			Dark gray, med. GRAVEL, with bits of coarse gravel	
5'								
	4'-6'			22,54/6"		▽	Orange/light gray/brown med. SAND with coarse gravel, med. sorted coal ash with brown fine sand, saturated, well sorted	
10'								
							Bottom of excavation at 12'	
15'								
							Water table at 6'	
							12' well	
20'							3' bgs or 3' above water table	
25'								
30'								
35'								
40'								

GENERAL REMARKS:

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson	BORING NO.	RCA-8
PROJECT NO.:	A5580	PAGE 1 OF	1
LOCATION:	Mansfield, MA	DATE STARTED:	02/03/99
		DATE FINISHED:	02/03/99
DRILLING CO.:	American Drilling	SURFACE ELEVATION:	Unknown
DRILLED BY:	Jack Francis		
INSPECTED BY:	Chris Gill		

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
8'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	0'-2'		50%	3,4,4,7			Black, fine-coarse SAND and gravel (organic)	
	2'-4'		50%	9,13,14,18			SAME AS ABOVE	
5'	4'-6'		25%	4,8,21,17			Brown, fine-coarse SAND, some fine-med. gravel SAME AS ABOVE	
	6'-8'		20%	26,50/3"			SAME AS ABOVE	
	8'-10'		NA	<1"/70				
10'								
15'								
	15'-17'		50%	23,35,31,45			Black, fine-coarse SAND and gravel, little silt	
20'								
							Bottom of excavation at 19'	
25'								
							4' Riser 15' Screen - 0.010 slot Bentonite at 2'-3'	
30'								
35'								
40'								

GENERAL REMARKS:

DRILLING LOG

RESOURCE CONTROLS

PROJECT:	Hatheway Patterson
PROJECT NO.:	A5580
LOCATION:	Mansfield, MA
DRILLING CO.:	American Drilling
DRILLED BY:	Jack Francis
INSPECTED BY:	Mark House

BORING NO.	RCA-9
PAGE 1 OF	1
DATE STARTED:	02/03/99
DATE FINISHED:	02/03/99
SURFACE ELEVATION:	Unknown

GROUNDWATER OBSERVATIONS

DEPTH	STABILIZATION TIME
8'	N/A

	CASING	SAMPLER
TYPE:	HSA	Split Spoon
SIZE I.D.:	3-3/4"	1-1/4"
HAMMER WT.:		140 lbs.
HAMMER FALL:		30 in.

DEPTH (FT.)	SAMPLING DEPTH (FT.) FROM - TO	SAMPLE DATA ID	PERCENT RECOV.	BLOWS PER 6 INCHES	WELL DATA	STRATA CHANGE (FT.)	LITHOLOGY (DESCRIPTION OF MATERIALS)	FIELD TEST DATA PID - 10.2 eV (ppm)
	0'-2'		75%	14,37,49,47			(0'-1') Brown, fine-coarse SAND & GRAVEL, little silt	
							(1'-1.5') Black, fine-coarse SAND & GRAVEL, organic,some silt	
	2'-4'		50%	50,50/3"			(2'-4') Brown, fine-coarse SAND & GRAVEL	
5'	4'-6'			50/2"			NO RECOVERY - grinding cobbles	
	5.5'-7.5'			15,50/3"			(5.5'-7.5') Brown, fine-coarse SAND & GRAVEL, 4" rec. NO SAMPLE	
10'								
15'								
20'							Bottom of excavation at 18'	
25'							4' Riser	
							14' Screen - 0.010 slot	
30'							Bentonite at 2'-3'	
35'								
40'								

GENERAL REMARKS:

TRC ENVIRONMENTAL
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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER SB-001
LOCATION
DATE DRILLED 11/14/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT No Well Installed
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE No Well Installed
GROUND ELEVATION
SEAL TYPE No Well Installed
TOP OF PVC
DEPTH TO WATER (feet below ground)
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
1					No Recovery.			
					Black-brown, dry, fine to coarse SAND, little fine gravel, trace coal bits.			
2		2.6/4			Brown, dry to moist, fine to coarse SAND and GRAVEL.	1.3	D03458 (1-4')	
3								
4					No Recovery.			
5					Brown, dry, fine to coarse SAND and GRAVEL, cobbles/rock fragments.			
6		3.5/4				ND	D03459 (4-10')	
7								
8					No Recovery.			
9		1.0/2			Brown, moist, fine to coarse SAND and GRAVEL.	ND		
10					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER SB-002
LOCATION
DATE DRILLED 11/14/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT No Well Installed
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE No Well Installed
GROUND ELEVATION
SEAL TYPE No Well Installed
TOP OF PVC
DEPTH TO WATER (feet below ground)
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			
1								
2		2.1/4			Black, damp, medium SAND, little fine sand, little coarse sand, trace silt, trace coal.	ND	D03460 (1-4')	
3					Tan and brown, damp, coarse GRAVEL and medium SAND, little fine sand.			
4					No Recovery.			
5					Yellow-brown, wet, fine SAND and SILT, some fine gravel.			
					Light gray ROCK.			
6		3.75/4			Brown, wet, medium SAND, trace gravel.	ND	D03461 (4-10')	
7					Light gray-tan, wet, fine to medium SAND, little silt, trace gravel.			
8					No Recovery.			
9		1.3/2			Gray-brown, wet, fine to medium SAND, GRAVEL, and SILT.	ND		
10					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** SB-003
LOCATION **DATE DRILLED** 11/14/02
DRILLING CONTRACTOR Earth Exploration **BOREHOLE DIAMETER**
DRILLING METHOD GeoProbe **SCREEN TYPE/SLOT** No Well Installed
SAMPLING METHOD 4' Acetate Liner **FILTER PACK TYPE** No Well Installed
GROUND ELEVATION **SEAL TYPE** No Well Installed
TOP OF PVC **DEPTH TO WATER (feet below ground)**
LOGGED BY Sandy Weymouth **GROUND WATER ELEVATION**
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			
1								
2		1.8/4			Concrete pieces.	ND	D03462 (1-4') D02222	
					Brown-black, dry, medium to coarse SAND and GRAVEL, trace fine sand.			
3					Black, moist, SILT and GRAVEL, little fine to coarse sand, trace coal bits.			
					Brown, moist, fine to coarse SAND and GRAVEL, slight petroleum odor.			
4					Brown-black, moist, fine to coarse SAND and GRAVEL, some silt, petroleum odor.			
					Brown, moist, fine to coarse SAND and GRAVEL, petroleum odor.			
5								
6		4.0/4				100	D03463 (4-10')	
7								
8					No Recovery.			
					Brown, wet, fine to coarse SAND and GRAVEL, strong petroleum odor.			
9		1.7/2				60		
10					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** SB-004
LOCATION **DATE DRILLED** 11/14/02
DRILLING CONTRACTOR Earth Exploration **BOREHOLE DIAMETER**
DRILLING METHOD GeoProbe **SCREEN TYPE/SLOT** No Well Installed
SAMPLING METHOD 4' Acetate Liner **FILTER PACK TYPE** No Well Installed
GROUND ELEVATION **SEAL TYPE** No Well Installed
TOP OF PVC **DEPTH TO WATER (feet below ground)**
LOGGED BY Sandy Weymouth **GROUND WATER ELEVATION**
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
1					No Recovery.			
2		1.6/4				ND	D03464 (1-4')	
3					Black, moist, medium to coarse SAND and COAL fragments, trace fine sand, trace silt.			
4					Brown, moist, medium to coarse SAND, trace fine sand.			
5					No Recovery.			
6		1.6/4				ND	D)3465 (4-10)'	
7					Brown-black, moist, fine to coarse SAND and GRAVEL, trace bits of coal.			
8					Dark brown-black, wet, fine to coarse SAND and GRAVEL, some silt.			
9		1.3/2			No Recovery.	ND		
10					Dark brown-black, wet, fine to coarse SAND and GRAVEL, some silt.			
					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 **BORING/WELL NUMBER** SB-005
LOCATION **DATE DRILLED** 11/14/02
DRILLING CONTRACTOR Earth Exploration **BOREHOLE DIAMETER**
DRILLING METHOD GeoProbe **SCREEN TYPE/SLOT** No Well Installed
SAMPLING METHOD 4' Acetate Liner **FILTER PACK TYPE** No Well Installed
GROUND ELEVATION **SEAL TYPE** No Well Installed
TOP OF PVC **DEPTH TO WATER (feet below ground)**
LOGGED BY Sandy Weymouth **GROUND WATER ELEVATION**
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			
1								
2		2.4/4			Black, moist, medium to coarse SAND, trace fine sand, little bits of coal.	ND	D03466 (1-4')	
3					Brown, moist, medium to coarse SAND, trace fine sand.			
4					No Recovery.			
5								
6		2.3/4			Dark brown, moist, fine SAND, some silt, trace medium sand, roots.	ND	D03467 (4-10')	
7					Medium brown, moist, fine SAND, some silt, trace medium sand.			
8					Medium brown, medium to coarse SAND and GRAVEL.			
9		1.3/2			No Recovery.	ND		
10					Brown, moist, fine to coarse SAND and GRAVEL, cobbles.			
					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER SB-006
LOCATION
DATE DRILLED 11/14/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT No Well Installed
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE No Well Installed
GROUND ELEVATION
SEAL TYPE No Well Installed
TOP OF PVC
DEPTH TO WATER (feet below ground)
LOGGED BY Sandy Weymouth
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			
1					GRAVEL.			
2		2.9/4			Black, moist, COAL pieces/granular, little fine to coarse sand.	ND	D03468 (1-4')	
3								
4					Medium brown, moist, fine to medium SAND, little coarse sand, trace silt.			
5					No Recovery.			
6		2.1/4			Medium brown, moist, fine to medium SAND, little coarse sand, trace silt.	ND	D03469 (4-10')	
7					Brown, moist, fine to coarse SAND and GRAVEL.			
					Brown, moist, fine SAND, little silt.			
8					Brown, moist, fine to coarse SAND and GRAVEL.			
9		1.2/2			No Recovery.			
					Brown, moist, fine to medium SAND, little coarse sand.	ND		
10					Brown, moist, fine to coarse SAND and GRAVEL.			
					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER SB-007
LOCATION
DATE DRILLED 11/13/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT No Well Installed
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE No Well Installed
GROUND ELEVATION
SEAL TYPE No Well Installed
TOP OF PVC
DEPTH TO WATER (feet below ground)
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			
1								
2		1.8/4				ND	D03470 (1-4')	
					Brown, damp, fine to medium SAND, little roots, trace silt.			
3					Orange-brown, damp, fine to coarse SAND and GRAVEL, trace silt.			
4					Gray-brown, damp, fine to coarse SAND and GRAVEL, trace silt.			
					No Recovery.			
5					Black and brick red, damp, coarse SAND, little fine to medium SAND, trace gravel (COAL?)			
					Brown, damp, SILT and fine to medium SAND, little gravel.			
6		3.35/4			Orange-brown, damp, medium SAND, trace fine sand, trace gravel.	ND	D03471 (4-10')	
7								
8					Brown-dark brown, damp, fine to medium SAND, trace gravel.			
9		0.7/2				ND		
					Grayish-tan, wet, fine to coarse SAND, trace gravel.			
10					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER SB-008
LOCATION
DATE DRILLED 11/13/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT No Well Installed
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE No Well Installed
GROUND ELEVATION
SEAL TYPE No Well Installed
TOP OF PVC
DEPTH TO WATER (feet below ground)
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			
1								
2		2.25/4			Black, wet, SILT and fine SAND, little medium sand.	ND	D03472 (1-4')	
					Gray-white ROCK.			
3					Black, damp, coarse SAND, little fine to medium SAND (COAL?)			
4					No Recovery.			
5								
					Orange-brown, damp, SILT, little medium sand, little fine sand.			
6		2.5/4			Light brown, damp, fine to coarse SAND, little gravel.	ND	D03473 (4-10')	
7								
8					Light gray, wet, fine SAND, trace silt.			
9		2.0/2				ND		
10					End of Boring.			

TRC ENVIRONMENTAL
Foot of John Street, Boott Mills South
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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER SB-009
LOCATION
DATE DRILLED 11/13/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT No Well Installed
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE No Well Installed
GROUND ELEVATION
SEAL TYPE No Well Installed
TOP OF PVC
DEPTH TO WATER (feet below ground)
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			
1								
2		2.2/4			Black, moist, coarse SAND, little fine to medium sand.	ND	D03474 (1-4')	
					Brown, moist, fine SAND and SILT, little fine gravel.			
3					Light brown, moist, SILT and fine to coarse SAND, little gravel.			
					Gray-white, wet, ROCK fragments.			
4					No Recovery.			
					Light brown, damp, fine to coarse SAND, little gravel.			
5								
6		3.4/4				ND	D03475 (4-10')	
7								
8					Gray-brown, damp, medium to coarse SAND and GRAVEL.			
					Black, damp, coarse SAND, little fine to medium sand, little silt.			
9		2.0/2			Light brown, damp, medium to coarse SAND, little gravel, trace fine sand.	ND		
10					End of Boring.			

TRC ENVIRONMENTAL
Foot of John Street, Boott Mills South
Lowell, MA 01852
Telephone: (978) 970-5600
Fax: (978) 453-1995

BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER SB-010
LOCATION
DATE DRILLED 11/13/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT No Well Installed
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE No Well Installed
GROUND ELEVATION
SEAL TYPE No Well Installed
TOP OF PVC
DEPTH TO WATER (feet below ground)
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
0					No Recovery.			
1								
2		2.25/4			Brown, dry, fine SAND and SILT, little medium sand, little roots.	ND	D03476 (1-4')	
					Dark brown, damp, fine SAND and SILT, little medium sand, little fine gravel.			
					Gray-brown, damp, fine to medium SAND, little coarse sand, little fine to medium gravel, trace silt.			
3					Orange, damp, fine SAND, some silt, little coarse sand, trace fine gravel. Gray rock from 3-3.1 ft.			
					Dark brown and brown, wet, medium SAND, little fine gravel, trace fine sand.			
4					Brown, damp, medium to coarse SAND, trace fine gravel.			
					No Recovery.			
5					Brown, wet, medium to coarse SAND, little gravel, trace fine sand.			
					Tan, wet, fine SAND and SILT, trace medium to coarse sand.			
6		3.3/4				ND	D03477 (4-10')	
					Tan, wet, fine to coarse SAND and GRAVEL.			
					Dark brown-gray, wet, fine to coarse SAND, little fine gravel. Dark brown sand at 7.5-7.7 has petroleum odor.			
7								
					Dark gray, wet, ROCK.			
8					No Recovery.			
					Dark gray, wet, fine to coarse GRAVEL, little fine to coarse sand. Petroleum odor throughout.			
9		1.25/2				ND		
10					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33 | **BORING/WELL NUMBER** SB-011
LOCATION | **DATE DRILLED** 11/13/02
DRILLING CONTRACTOR Earth Exploration | **BOREHOLE DIAMETER**
DRILLING METHOD GeoProbe | **SCREEN TYPE/SLOT** No Well Installed
SAMPLING METHOD 4' Acetate Liner | **FILTER PACK TYPE** No Well Installed
GROUND ELEVATION | **SEAL TYPE** No Well Installed
TOP OF PVC | **DEPTH TO WATER (feet below ground)**
LOGGED BY Kirstin Marshall | **GROUND WATER ELEVATION**
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
1					No Recovery.			
2		2.3/4			Dark brown-black, moist, fine SAND and SILT, trace medium sand, trace fine gravel. Yellow-brown, miost, fine to coarse SAND and GRAVEL.	ND	D03478 (1-4')	
					Gray, hard, ROCK.			
3					Yellow-brown, moist, fine SAND.			
					Brown and gray, moist, GRAVEL, little fine to medium SAND.			
4					Gray-brown, damp, fine to coarse SAND, little fine gravel.			
					Gray ROCK.			
5					Gray-tan, dry, fine to coarse SAND and GRAVEL.			
6		4.0/4				ND	D03479 (4-10')	
7								
					Light gray-white ROCK.			
8					Olive-gray, damp, fine to medium SAND, trace silt.			
					No Recovery.			
9		0.8/2				ND		
					Light and dark gray ROCK with 0.4 ft of brown, medium SAND, little fine gravel, little fine sand at center of section.			
10					End of Boring.			

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BORING/WELL CONSTRUCTION LOG

Hatheway & Patterson

PROJECT NUMBER 02136-0490-01X33
BORING/WELL NUMBER SB-012
LOCATION
DATE DRILLED 11/13/02
DRILLING CONTRACTOR Earth Exploration
BOREHOLE DIAMETER
DRILLING METHOD GeoProbe
SCREEN TYPE/SLOT No Well Installed
SAMPLING METHOD 4' Acetate Liner
FILTER PACK TYPE No Well Installed
GROUND ELEVATION
SEAL TYPE No Well Installed
TOP OF PVC
DEPTH TO WATER (feet below ground)
LOGGED BY Kirstin Marshall
GROUND WATER ELEVATION
REMARKS

DEPTH (ft. BGS)	BLOW COUNTS	RECOVERY (feet)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	FID (ppm)	SAMPLE ID#	WELL DIAGRAM
1					No Recovery.			
					Brown, damp, medium to coarse SAND, trace fine sand, trace gravel.			
2		2.75/4			Gray ROCK, little brown, damp, fine sand.	ND	D03480 (1-4')	
3					Yellow-brown, damp, fine to coarse SAND, trace coarse gravel.			
4					Yellow-brown, damp, medium to coarse SAND, little gravel, trace fine sand.			
5								
6		4.0/4				ND	D03481 (4-10')	
7					Yellow-brown, damp, medium to coarse SAND and GRAVEL. Dark brown, damp, fine to medium sand from 6.85-6.95 ft.			
					Light pink, hard ROCK.			
					Yellow-brown, damp, fine to coarse SAND.			
8					Light brown, wet, fine SAND. Petroleum odor.			
					Gray-brown, wet, fine to medium SAND.			
					Light brown, wet, fine SAND.			
9		2.0/2			Light brown, wet, fine to medium SAND. Refusal at 9.8 ft.	ND		
					End of Boring.			

Appendix B
Surface Soil SVOC Results

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP1-A5 09/30/1994 0.25 Primary	HP1-B5 09/30/1994 0.25 Primary	HP1-E5 09/30/1994 0.25 Primary	HP1-N5 09/30/1994 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	0.50
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	0U	0U	0U	0U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP1-A5	HP1-B5	HP1-E5	HP1-N5
	SAMPLE ID				
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	0U	0U	0U	1400U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	0U	0U	0U	0U
2,4-Dinitrophenol	(ug/kg)				
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	0U	0U	0U	0U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	0U	0U	0U	0U
Phenanthrene	(ug/kg)	0U	0U	0U	1300U
Anthracene	(ug/kg)	0U	0U	0U	0U
Carbazole	(ug/kg)	0U	0U	0U	0U
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	0U	0U	0U	3700U
Pyrene	(ug/kg)	0U	0U	0U	3000U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP1-A5	HP1-B5	HP1-E5	HP1-N5
	SAMPLE ID				
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	0U	0U	0U	1600U
Chrysene	(ug/kg)	0U	0U	0U	2400U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	0U	0U	0U	2300U
Benzo(k)fluoranthene	(ug/kg)	0U	0U	0U	2100U
Benzo(a)pyrene	(ug/kg)	0U	0U	0U	1400U
Indeno(1,2,3-cd)pyrene	(ug/kg)	0U	0U	0U	1200U
Dibenz(a,h) anthracene	(ug/kg)	0U	0U	0U	0U
Benzo(g,h,i)perylene	(ug/kg)	0U	0U	0U	1100U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP3-B5 09/30/1994 0.25 Primary	HP3-C5 09/30/1994 0.25 Primary	HP3-D5 09/30/1994 0.25 Primary	HP4-A 09/30/1994 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	0.50
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	1200U	0U	0U	0U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP3-B5	HP3-C5	HP3-D5	HP4-A
	SAMPLE ID				
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	2000U	1900	0U	0U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	0U	0U	0U	0U
2,4-Dinitrophenol	(ug/kg)				
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	0U	0U	0U	0U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	61000	46000	86000	79000
Phenanthrene	(ug/kg)	1900U	3500	0U	0U
Anthracene	(ug/kg)	1700U	1400	0U	0U
Carbazole	(ug/kg)	0U	0U	0U	0U
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	2000U	1400	1400U	0U
Pyrene	(ug/kg)	2000U	3900	1300U	0U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP3-B5 09/30/1994 0.25 Primary	HP3-C5 09/30/1994 0.25 Primary	HP3-D5 09/30/1994 0.25 Primary	HP4-A 09/30/1994 0.25 Primary
Benzo(a)anthracene	(ug/kg)	0U	1600	0U	0U
Chrysene	(ug/kg)	1700U	2300	0U	0U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	1800U	2300	0U	0U
Benzo(k)fluoranthene	(ug/kg)	1200U	2000	0U	0U
Benzo(a)pyrene	(ug/kg)	1200U	1800	0U	0U
Indeno(1,2,3-cd)pyrene	(ug/kg)	1100U	1300	0U	0U
Dibenz(a,h) anthracene	(ug/kg)	0U	0U	0U	0U
Benzo(g,h,i)perylene	(ug/kg)	1200U	1300	0U	0U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID	HP4-B	HP4-D	HP4-E	HP4-H
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	0.50
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	9600	2500U	1500U	1900U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP4-B	HP4-D	HP4-E	HP4-H
	SAMPLE ID				
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	4000U	2400U	1300U	4400U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	0U	0U	0U	0U
2,4-Dinitrophenol	(ug/kg)				
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	0U	0U	0U	0U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	3200000	3200000	550000	4900000
Phenanthrene	(ug/kg)	2600U	1900U	1500U	1200U
Anthracene	(ug/kg)	3600U	2400U	1500U	3600U
Carbazole	(ug/kg)	0U	0U	0U	0U
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	5200U	0U	0U	0U
Pyrene	(ug/kg)	7300	9800	1400U	1300U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP4-B	HP4-D	HP4-E	HP4-H
	SAMPLE ID				
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	1300U	0U	0U	1200U
Chrysene	(ug/kg)	2900U	1200U	1500U	1300
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	3700U	1400U	1700U	1200
Benzo(k)fluoranthene	(ug/kg)	2700U	0U	0U	0U
Benzo(a)pyrene	(ug/kg)	0U	0U	0U	0U
Indeno(1,2,3-cd)pyrene	(ug/kg)	1900U	0U	0U	0U
Dibenz(a,h) anthracene	(ug/kg)	1800U	0U	0U	0U
Benzo(g,h,i)perylene	(ug/kg)	0U	0U	0U	0U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP5-A 09/30/1994 0.25 Primary	HP5-B 09/30/1994 0.25 Primary	HP5-D 09/30/1994 0.25 Primary	HP5-E 09/30/1994 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	0.50
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	0U	1900U	0U	0U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP5-A	HP5-B	HP5-D	HP5-E
	SAMPLE ID				
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	0U	0U	0U	0U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	0U	0U	0U	0U
2,4-Dinitrophenol	(ug/kg)				
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	0U	0U	0U	0U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	0U	0U	0U	0U
Phenanthrene	(ug/kg)	0U	2300U	0U	0U
Anthracene	(ug/kg)	0U	0U	0U	0U
Carbazole	(ug/kg)	0U	0U	0U	0U
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	0U	0U	0U	0U
Pyrene	(ug/kg)	0U	0U	0U	0U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP5-A	HP5-B	HP5-D	HP5-E
	SAMPLE ID				
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	0U	0U	0U	0U
Chrysene	(ug/kg)	0U	0U	0U	0U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	0U	0U	0U	0U
Benzo(k)fluoranthene	(ug/kg)	0U	0U	0U	0U
Benzo(a)pyrene	(ug/kg)	0U	0U	0U	0U
Indeno(1,2,3-cd)pyrene	(ug/kg)	0U	0U	0U	0U
Dibenz(a,h) anthracene	(ug/kg)	0U	0U	0U	0U
Benzo(g,h,i)perylene	(ug/kg)	0U	0U	0U	0U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP5-G 09/30/1994 0.25 Primary	HP5-H 09/30/1994 0.25 Primary	HP5-I 09/30/1994 0.25 Primary	HP5-J 09/30/1994 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	0.50
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	0U	0U	0U	0U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP5-G 09/30/1994 0.25 Primary	HP5-H 09/30/1994 0.25 Primary	HP5-I 09/30/1994 0.25 Primary	HP5-J 09/30/1994 0.25 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	0U	0U	0U	0U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	0U	0U	0U	0U
2,4-Dinitrophenol	(ug/kg)				
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	0U	0U	0U	0U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	1100U	1200U	0U	2700U
Phenanthrene	(ug/kg)	0U	0U	0U	0U
Anthracene	(ug/kg)	0U	0U	0U	0U
Carbazole	(ug/kg)	0U	0U	0U	0U
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	0U	0U	0U	0U
Pyrene	(ug/kg)	0U	0U	0U	0U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP5-G	HP5-H	HP5-I	HP5-J
	SAMPLE ID				
	DATE	09/30/1994	09/30/1994	09/30/1994	09/30/1994
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	0U	0U	0U	0U
Chrysene	(ug/kg)	0U	0U	0U	0U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	0U	0U	0U	0U
Benzo(k)fluoranthene	(ug/kg)	0U	0U	0U	0U
Benzo(a)pyrene	(ug/kg)	0U	0U	0U	0U
Indeno(1,2,3-cd)pyrene	(ug/kg)	0U	0U	0U	0U
Dibenz(a,h) anthracene	(ug/kg)	0U	0U	0U	0U
Benzo(g,h,i)perylene	(ug/kg)	0U	0U	0U	0U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP5-K	MW-010	MW-011	SS-015
	SAMPLE ID				D03646
	DATE	09/30/1994	01/17/1989	01/13/1989	11/19/2002
	DEPTH (ft)	0.25	1.00	1.00	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	2.00	2.00	1.00
Benzaldehyde	(ug/kg)				320B
Phenol	(ug/kg)				120U
2-Chlorophenol	(ug/kg)				120U
Bis(2-chloroethyl)ether	(ug/kg)				120U
2-Methylphenol	(ug/kg)				120U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				120U
Acetophenone	(ug/kg)				100J
4-Methylphenol	(ug/kg)				120U
2,6-Dimethylphenol	(ug/kg)				310U
N-Nitrosodi-n-propylamine	(ug/kg)				120U
Hexachloroethane	(ug/kg)				120U
Nitrobenzene	(ug/kg)				120U
Isophorone	(ug/kg)				120U
2-Nitrophenol	(ug/kg)				120U
2,4-Dimethylphenol	(ug/kg)		180	400	310U
Bis(2-chloroethoxy)methane	(ug/kg)				120U
2,4-Dichlorophenol	(ug/kg)		1100	810	120U
3,4-Dimethylphenol	(ug/kg)				310U
Naphthalene	(ug/kg)	0U			930
4-Chloroaniline	(ug/kg)				310U
Hexachlorobutadiene	(ug/kg)				120U
Caprolactam	(ug/kg)				120U
4-Chloro-3-methylphenol	(ug/kg)				120U
2-Methylnaphthalene	(ug/kg)				710
Hexachlorocyclopentadiene	(ug/kg)				310U
2,4,6-Trichlorophenol	(ug/kg)				120U
2,4,5-Trichlorophenol	(ug/kg)				120U
Biphenyl	(ug/kg)				94J

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP5-K 09/30/1994 0.25 Primary	MW-010 01/17/1989 1.00 Primary	MW-011 01/13/1989 1.00 Primary	SS-015 D03646 11/19/2002 0.50 Primary
2-Chloronaphthalene	(ug/kg)				120U
2-Nitroaniline	(ug/kg)				120U
Dimethylphthalate	(ug/kg)				120U
2,6-Dinitrotoluene	(ug/kg)				120U
Acenaphthylene	(ug/kg)	0U			59J
3-Nitroaniline	(ug/kg)				310U
Acenaphthene	(ug/kg)	0U			57J
2,4-Dinitrophenol	(ug/kg)				310U
4-Nitrophenol	(ug/kg)				310U
2,3,5,6-Tetrachlorophenol	(ug/kg)		100U	100U	310U
Dibenzofuran	(ug/kg)				160
2,4-Dinitrotoluene	(ug/kg)				120U
Diethylphthalate	(ug/kg)				120U
Fluorene	(ug/kg)	0U			120U
4-chlorophenyl-phenylether	(ug/kg)				120U
4-Nitroaniline	(ug/kg)				310U
4,6-Dinitro-2-methylphenol	(ug/kg)				310U
N-Nitrosodiphenylamine	(ug/kg)				120U
4-Bromophenyl phenylether	(ug/kg)				120U
Hexachlorobenzene	(ug/kg)				120U
Atrazine	(ug/kg)				120U
Pentachlorophenol	(ug/kg)	0U	100	100U	74J
Phenanthrene	(ug/kg)	0U			680
Anthracene	(ug/kg)	0U			120U
Carbazole	(ug/kg)	0U			120U
Di-n-butylphthalate	(ug/kg)				120U
Fluoranthene	(ug/kg)	0U			610
Pyrene	(ug/kg)	0U			510
Butylbenzylphthalate	(ug/kg)				120U
3,3'-Dichlorobenzidine	(ug/kg)				310U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HP5-K	MW-010	MW-011	SS-015
	SAMPLE ID				D03646
	DATE	09/30/1994	01/17/1989	01/13/1989	11/19/2002
	DEPTH (ft)	0.25	1.00	1.00	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	0U			280
Chrysene	(ug/kg)	0U			520
bis(2-Ethylhexyl) phthalate	(ug/kg)				120U
Di-n-octylphthalate	(ug/kg)				120U
Benzo(b)fluoranthene	(ug/kg)	0U			370
Benzo(k)fluoranthene	(ug/kg)	0U			300
Benzo(a)pyrene	(ug/kg)	0U			240
Indeno(1,2,3-cd)pyrene	(ug/kg)	0U			89J
Dibenz(a,h) anthracene	(ug/kg)	0U			120U
Benzo(g,h,i)perylene	(ug/kg)	0U			88J

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-016	SS-016	SS-018	SS-021
	SAMPLE ID	D03643	D03644	D03647	D03507
	DATE	11/19/2002	11/19/2002	11/19/2002	11/11/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Benzaldehyde	(ug/kg)	260B	300B	75JB	180UJ
Phenol	(ug/kg)	130U	130U	110U	110U
2-Chlorophenol	(ug/kg)	130U	130U	110U	110U
Bis(2-chloroethyl)ether	(ug/kg)	130U	130U	110U	110U
2-Methylphenol	(ug/kg)	130U	130U	110U	110U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	130U	130U	110U	110U
Acetophenone	(ug/kg)	130U	60J	110U	120
4-Methylphenol	(ug/kg)	130U	130U	110U	110U
2,6-Dimethylphenol	(ug/kg)	320U	320U	280U	R
N-Nitrosodi-n-propylamine	(ug/kg)	130U	130U	110U	110U
Hexachloroethane	(ug/kg)	130U	130U	110U	110U
Nitrobenzene	(ug/kg)	130U	130U	110U	110U
Isophorone	(ug/kg)	130U	130U	110U	110U
2-Nitrophenol	(ug/kg)	130U	130U	110U	110U
2,4-Dimethylphenol	(ug/kg)	320U	320U	280U	280UJ
Bis(2-chloroethoxy)methane	(ug/kg)	130U	130U	110U	110U
2,4-Dichlorophenol	(ug/kg)	130U	130U	110U	110U
3,4-Dimethylphenol	(ug/kg)	320U	320U	280U	110UJ
Naphthalene	(ug/kg)	330	300	110U	140
4-Chloroaniline	(ug/kg)	320U	320U	280U	R
Hexachlorobutadiene	(ug/kg)	130U	130U	110U	280U
Caprolactam	(ug/kg)	130U	130U	110U	110U
4-Chloro-3-methylphenol	(ug/kg)	130U	130U	110U	110U
2-Methylnaphthalene	(ug/kg)	330	300	110U	160
Hexachlorocyclopentadiene	(ug/kg)	320U	320U	280U	280UJ
2,4,6-Trichlorophenol	(ug/kg)	130U	130U	110U	110U
2,4,5-Trichlorophenol	(ug/kg)	130U	130U	110U	110U
Biphenyl	(ug/kg)	74J	70J	110U	110U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-016	SS-016	SS-018	SS-021
	SAMPLE ID	D03643	D03644	D03647	D03507
	DATE	11/19/2002	11/19/2002	11/19/2002	11/11/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Duplicate 1	Primary	Primary
2-Chloronaphthalene	(ug/kg)	130U	130U	110U	110U
2-Nitroaniline	(ug/kg)	130U	130U	110U	110U
Dimethylphthalate	(ug/kg)	130U	130U	110U	110U
2,6-Dinitrotoluene	(ug/kg)	130U	130U	110U	110U
Acenaphthylene	(ug/kg)	130U	130U	110U	63J
3-Nitroaniline	(ug/kg)	320U	320U	280U	280UJ
Acenaphthene	(ug/kg)	130U	130U	110U	110U
2,4-Dinitrophenol	(ug/kg)	320U	320U	280U	280UJ
4-Nitrophenol	(ug/kg)	320U	320U	280U	280U
2,3,5,6-Tetrachlorophenol	(ug/kg)	320U	320U	280U	110UJ
Dibenzofuran	(ug/kg)	110J	100J	110U	52J
2,4-Dinitrotoluene	(ug/kg)	130U	130U	110U	110U
Diethylphthalate	(ug/kg)	130U	130U	110U	110U
Fluorene	(ug/kg)	130U	130U	110U	110U
4-chlorophenyl-phenylether	(ug/kg)	130U	130U	110U	110U
4-Nitroaniline	(ug/kg)	320U	320U	280U	280U
4,6-Dinitro-2-methylphenol	(ug/kg)	320U	320U	280U	280U
N-Nitrosodiphenylamine	(ug/kg)	130U	130U	110U	110U
4-Bromophenyl phenylether	(ug/kg)	130U	130U	110U	110U
Hexachlorobenzene	(ug/kg)	130U	130U	110U	110U
Atrazine	(ug/kg)	130U	130U	110U	110UJ
Pentachlorophenol	(ug/kg)	2500	1800	93J	58J
Phenanthrene	(ug/kg)	500	420	110U	210
Anthracene	(ug/kg)	66J	130U	110U	110U
Carbazole	(ug/kg)	130U	130U	110U	110U
Di-n-butylphthalate	(ug/kg)	130U	130U	110U	110U
Fluoranthene	(ug/kg)	470	380	110U	210
Pyrene	(ug/kg)	380	310	110U	170
Butylbenzylphthalate	(ug/kg)	130U	130U	110U	110U
3,3'-Dichlorobenzidine	(ug/kg)	320U	320U	280U	R

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-016	SS-016	SS-018	SS-021
		SAMPLE ID	D03643	D03644	D03647	D03507
		DATE	11/19/2002	11/19/2002	11/19/2002	11/11/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Benzo(a)anthracene	(ug/kg)		200	160	110U	95J
Chrysene	(ug/kg)		420	370	110U	220
bis(2-Ethylhexyl) phthalate	(ug/kg)		130U	63J	61J	700J
Di-n-octylphthalate	(ug/kg)		130U	130U	110U	110U
Benzo(b)fluoranthene	(ug/kg)		290	250	110U	180
Benzo(k)fluoranthene	(ug/kg)		240	180	110U	150
Benzo(a)pyrene	(ug/kg)		170	130	110U	99J
Indeno(1,2,3-cd)pyrene	(ug/kg)		88J	70J	110U	130
Dibenz(a,h) anthracene	(ug/kg)		130U	130U	110U	110U
Benzo(g,h,i)perylene	(ug/kg)		76J	66J	110U	99J

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-022	SS-024	SS-024	SS-025
	SAMPLE ID	D03508	D03509	D03532	D03510
	DATE	11/11/2002	11/12/2002	11/12/2002	11/12/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Benzaldehyde	(ug/kg)	190UJ	120UJ	120UJ	150UJ
Phenol	(ug/kg)	110U	110U	100U	110U
2-Chlorophenol	(ug/kg)	110U	110U	100U	110U
Bis(2-chloroethyl)ether	(ug/kg)	110U	110U	100U	110U
2-Methylphenol	(ug/kg)	110U	110U	100U	110U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	110U	110U	100U	110U
Acetophenone	(ug/kg)	110U	110U	100U	110U
4-Methylphenol	(ug/kg)	50EB	110U	100U	110U
2,6-Dimethylphenol	(ug/kg)	R	R	R	R
N-Nitrosodi-n-propylamine	(ug/kg)	110U	110U	100U	110U
Hexachloroethane	(ug/kg)	110U	110U	100U	110U
Nitrobenzene	(ug/kg)	110U	110U	100U	110U
Isophorone	(ug/kg)	110U	110U	100U	110U
2-Nitrophenol	(ug/kg)	110U	110U	100U	110U
2,4-Dimethylphenol	(ug/kg)	280UJ	270UJ	260UJ	270UJ
Bis(2-chloroethoxy)methane	(ug/kg)	110U	110U	100U	110U
2,4-Dichlorophenol	(ug/kg)	110U	110U	100U	110U
3,4-Dimethylphenol	(ug/kg)	110UJ	110UJ	100UJ	110UJ
Naphthalene	(ug/kg)	1100	110U	100U	66J
4-Chloroaniline	(ug/kg)	R	R	R	R
Hexachlorobutadiene	(ug/kg)	280U	270U	260U	270U
Caprolactam	(ug/kg)	110U	110U	100U	110U
4-Chloro-3-methylphenol	(ug/kg)	110U	110U	100U	110U
2-Methylnaphthalene	(ug/kg)	440	110U	100U	77J
Hexachlorocyclopentadiene	(ug/kg)	280UJ	270UJ	260UJ	270UJ
2,4,6-Trichlorophenol	(ug/kg)	110U	110U	100U	110U
2,4,5-Trichlorophenol	(ug/kg)	110U	110U	100U	110U
Biphenyl	(ug/kg)	120	110U	100U	110U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-022	SS-024	SS-024	SS-025
	SAMPLE ID	D03508	D03509	D03532	D03510
	DATE	11/11/2002	11/12/2002	11/12/2002	11/12/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
2-Chloronaphthalene	(ug/kg)	110U	110U	100U	110U
2-Nitroaniline	(ug/kg)	110U	110U	100U	110U
Dimethylphthalate	(ug/kg)	110U	110U	100U	110U
2,6-Dinitrotoluene	(ug/kg)	110U	110U	100U	110U
Acenaphthylene	(ug/kg)	690	110U	100U	48J
3-Nitroaniline	(ug/kg)	280UJ	270UJ	260UJ	270UJ
Acenaphthene	(ug/kg)	66J	110U	100U	180
2,4-Dinitrophenol	(ug/kg)	280UJ	270UJ	260UJ	270UJ
4-Nitrophenol	(ug/kg)	280U	270U	260U	270U
2,3,5,6-Tetrachlorophenol	(ug/kg)	110UJ	110UJ	100UJ	110UJ
Dibenzofuran	(ug/kg)	340	110U	100U	95J
2,4-Dinitrotoluene	(ug/kg)	110U	110U	100U	110U
Diethylphthalate	(ug/kg)	110U	110U	100U	110U
Fluorene	(ug/kg)	62J	110U	100U	190
4-chlorophenyl-phenylether	(ug/kg)	110U	110U	100U	110U
4-Nitroaniline	(ug/kg)	280U	270U	260U	270U
4,6-Dinitro-2-methylphenol	(ug/kg)	280U	270U	260U	270U
N-Nitrosodiphenylamine	(ug/kg)	110U	110U	100U	110U
4-Bromophenyl phenylether	(ug/kg)	110U	110U	100U	110U
Hexachlorobenzene	(ug/kg)	110U	110U	100U	110U
Atrazine	(ug/kg)	110UJ	110UJ	100UJ	110UJ
Pentachlorophenol	(ug/kg)	280UJ	270UJ	260UJ	340J
Phenanthrene	(ug/kg)	1200	110U	100U	2400
Anthracene	(ug/kg)	460	110U	100U	790
Carbazole	(ug/kg)	410	110U	100U	390
Di-n-butylphthalate	(ug/kg)	110U	110U	100U	110U
Fluoranthene	(ug/kg)	3800	110U	100U	4500
Pyrene	(ug/kg)	3100	110U	100U	3600
Butylbenzylphthalate	(ug/kg)	110U	110U	100U	110U
3,3'-Dichlorobenzidine	(ug/kg)	R	R	R	R

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-022 D03508 11/11/2002 0.50 Primary	SS-024 D03509 11/12/2002 0.50 Primary	SS-024 D03532 11/12/2002 0.50 Duplicate 1	SS-025 D03510 11/12/2002 0.50 Primary
Benzo(a)anthracene	(ug/kg)	1800	110U	100U	1800
Chrysene	(ug/kg)	2400	110U	100U	1900
bis(2-Ethylhexyl) phthalate	(ug/kg)	200UJ	220UJ	250UJ	210UJ
Di-n-octylphthalate	(ug/kg)	110U	110U	100U	110U
Benzo(b)fluoranthene	(ug/kg)	3300	110U	100U	1400
Benzo(k)fluoranthene	(ug/kg)	2200	110U	100U	1200
Benzo(a)pyrene	(ug/kg)	2000	110U	100U	1200
Indeno(1,2,3-cd)pyrene	(ug/kg)	960	110U	100U	530
Dibenz(a,h) anthracene	(ug/kg)	270	110U	100U	160
Benzo(g,h,i)perylene	(ug/kg)	580	110U	100U	400

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-030 D03651 11/19/2002 0.50 Primary	SS-031 D03653 11/19/2002 0.50 Primary	SS-035 D03645 11/19/2002 0.50 Primary	SS-036 D03656 11/19/2002 0.50 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Benzaldehyde	(ug/kg)	170JB	150JB	120B	860B
Phenol	(ug/kg)	210U	240U	110U	120U
2-Chlorophenol	(ug/kg)	210U	240U	110U	120U
Bis(2-chloroethyl)ether	(ug/kg)	210U	240U	110U	120U
2-Methylphenol	(ug/kg)	210U	240U	110U	120U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	210U	240U	110U	120U
Acetophenone	(ug/kg)	210U	240U	110U	66J
4-Methylphenol	(ug/kg)	210U	240U	110U	120U
2,6-Dimethylphenol	(ug/kg)	530U	590U	280U	310U
N-Nitrosodi-n-propylamine	(ug/kg)	210U	240U	110U	120U
Hexachloroethane	(ug/kg)	210U	240U	110U	120U
Nitrobenzene	(ug/kg)	210U	240U	110U	120U
Isophorone	(ug/kg)	210U	240U	110U	120U
2-Nitrophenol	(ug/kg)	210U	240U	110U	120U
2,4-Dimethylphenol	(ug/kg)	530U	590U	280U	310U
Bis(2-chloroethoxy)methane	(ug/kg)	210U	240U	110U	120U
2,4-Dichlorophenol	(ug/kg)	210U	240U	110U	120U
3,4-Dimethylphenol	(ug/kg)	530U	590U	280U	310U
Naphthalene	(ug/kg)	130J	170J	110U	470
4-Chloroaniline	(ug/kg)	530U	590U	280U	310U
Hexachlorobutadiene	(ug/kg)	210U	240U	110U	120U
Caprolactam	(ug/kg)	210U	240U	110U	120U
4-Chloro-3-methylphenol	(ug/kg)	210U	240U	110U	120U
2-Methylnaphthalene	(ug/kg)	96J	160J	110U	390
Hexachlorocyclopentadiene	(ug/kg)	530U	590U	280U	310U
2,4,6-Trichlorophenol	(ug/kg)	210U	240U	110U	120U
2,4,5-Trichlorophenol	(ug/kg)	210U	240U	110U	120U
Biphenyl	(ug/kg)	210U	240U	110U	89J

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-030	SS-031	SS-035	SS-036
	SAMPLE ID	D03651	D03653	D03645	D03656
	DATE	11/19/2002	11/19/2002	11/19/2002	11/19/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)	210U	240U	110U	120U
2-Nitroaniline	(ug/kg)	210U	240U	110U	120U
Dimethylphthalate	(ug/kg)	210U	240U	110U	120U
2,6-Dinitrotoluene	(ug/kg)	210U	240U	110U	120U
Acenaphthylene	(ug/kg)	970	1100	110U	240
3-Nitroaniline	(ug/kg)	530U	590U	280U	310U
Acenaphthene	(ug/kg)	210U	240U	110U	120U
2,4-Dinitrophenol	(ug/kg)	530U	590U	280U	310U
4-Nitrophenol	(ug/kg)	530U	590U	280U	310U
2,3,5,6-Tetrachlorophenol	(ug/kg)	530U	590U	280U	310U
Dibenzofuran	(ug/kg)	210U	110J	110U	210
2,4-Dinitrotoluene	(ug/kg)	210U	240U	110U	120U
Diethylphthalate	(ug/kg)	210U	240U	110U	120U
Fluorene	(ug/kg)	110J	330	110U	120U
4-chlorophenyl-phenylether	(ug/kg)	210U	240U	110U	120U
4-Nitroaniline	(ug/kg)	530U	590U	280U	310U
4,6-Dinitro-2-methylphenol	(ug/kg)	530U	590U	280U	310U
N-Nitrosodiphenylamine	(ug/kg)	210U	240U	110U	120U
4-Bromophenyl phenylether	(ug/kg)	210U	240U	110U	120U
Hexachlorobenzene	(ug/kg)	210U	240U	110U	120U
Atrazine	(ug/kg)	210U	240U	110U	120U
Pentachlorophenol	(ug/kg)	160J	590U	280U	94J
Phenanthrene	(ug/kg)	2900	5000	110U	980
Anthracene	(ug/kg)	510	690	110U	170
Carbazole	(ug/kg)	240	340	110U	150
Di-n-butylphthalate	(ug/kg)	210U	240U	110U	120U
Fluoranthene	(ug/kg)	6300	8000	110U	1600
Pyrene	(ug/kg)	6100	8100	110U	1400
Butylbenzylphthalate	(ug/kg)	210U	240U	110U	120U
3,3'-Dichlorobenzidine	(ug/kg)	530U	590U	280U	310U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-030	SS-031	SS-035	SS-036
		SAMPLE ID	D03651	D03653	D03645	D03656
		DATE	11/19/2002	11/19/2002	11/19/2002	11/19/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)		2500	3500	110U	720
Chrysene	(ug/kg)		4100	4900	110U	1300
bis(2-Ethylhexyl) phthalate	(ug/kg)		150J	120JB	73J	100JB
Di-n-octylphthalate	(ug/kg)		210U	240U	110U	120U
Benzo(b)fluoranthene	(ug/kg)		4300	5100	110U	1400
Benzo(k)fluoranthene	(ug/kg)		4000	4700	110U	1100
Benzo(a)pyrene	(ug/kg)		3100	3700	110U	630
Indeno(1,2,3-cd)pyrene	(ug/kg)		1100	1100	110U	210
Dibenz(a,h) anthracene	(ug/kg)		320	360	110U	78J
Benzo(g,h,i)perylene	(ug/kg)		800	830	110U	140

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-041	SS-044	SS-058	SS-059
		SAMPLE ID	D03655	D03642	D03657	D03658
		DATE	11/19/2002	11/19/2002	11/20/2002	11/20/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
Benzaldehyde	(ug/kg)		360B	140B	760B	87JB
Phenol	(ug/kg)		140U	110U	140U	110U
2-Chlorophenol	(ug/kg)		140U	110U	140U	110U
Bis(2-chloroethyl)ether	(ug/kg)		140U	110U	140U	110U
2-Methylphenol	(ug/kg)		140U	110U	140U	110U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)		140U	110U	140U	110U
Acetophenone	(ug/kg)		140U	110U	140U	110U
4-Methylphenol	(ug/kg)		140U	110U	140U	110U
2,6-Dimethylphenol	(ug/kg)		360U	280U	350U	270U
N-Nitrosodi-n-propylamine	(ug/kg)		140U	110U	140U	110U
Hexachloroethane	(ug/kg)		140U	110U	140U	110U
Nitrobenzene	(ug/kg)		140U	110U	140U	110U
Isophorone	(ug/kg)		140U	110U	140U	110U
2-Nitrophenol	(ug/kg)		140U	110U	140U	110U
2,4-Dimethylphenol	(ug/kg)		360U	280U	350U	270U
Bis(2-chloroethoxy)methane	(ug/kg)		140U	110U	140U	110U
2,4-Dichlorophenol	(ug/kg)		140U	110U	140U	110U
3,4-Dimethylphenol	(ug/kg)		360U	280U	350U	270U
Naphthalene	(ug/kg)		140U	1500	100J	400
4-Chloroaniline	(ug/kg)		360U	280U	350U	270U
Hexachlorobutadiene	(ug/kg)		140U	110U	140U	110U
Caprolactam	(ug/kg)		140U	110U	140U	110U
4-Chloro-3-methylphenol	(ug/kg)		140U	110U	140U	110U
2-Methylnaphthalene	(ug/kg)		140U	410	220	240
Hexachlorocyclopentadiene	(ug/kg)		360U	280U	350U	270U
2,4,6-Trichlorophenol	(ug/kg)		140U	110U	140U	110U
2,4,5-Trichlorophenol	(ug/kg)		140U	110U	140U	110U
Biphenyl	(ug/kg)		140U	71J	140U	64J

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-041 D03655 11/19/2002 0.50 Primary	SS-044 D03642 11/19/2002 0.50 Primary	SS-058 D03657 11/20/2002 0.50 Primary	SS-059 D03658 11/20/2002 0.50 Primary
2-Chloronaphthalene	(ug/kg)		140U	110U	140U	110U
2-Nitroaniline	(ug/kg)		140U	110U	140U	110U
Dimethylphthalate	(ug/kg)		140U	110U	140U	110U
2,6-Dinitrotoluene	(ug/kg)		140U	110U	140U	110U
Acenaphthylene	(ug/kg)		140U	110U	67J	320
3-Nitroaniline	(ug/kg)		360U	280U	350U	270U
Acenaphthene	(ug/kg)		140U	170	140U	110U
2,4-Dinitrophenol	(ug/kg)		360U	280U	350U	270U
4-Nitrophenol	(ug/kg)		360U	280U	350U	270U
2,3,5,6-Tetrachlorophenol	(ug/kg)		360U	280U	350U	270U
Dibenzofuran	(ug/kg)		140U	130	65J	120
2,4-Dinitrotoluene	(ug/kg)		140U	110U	140U	110U
Diethylphthalate	(ug/kg)		140U	110U	140U	110U
Fluorene	(ug/kg)		140U	87J	140U	72J
4-chlorophenyl-phenylether	(ug/kg)		140U	110U	140U	110U
4-Nitroaniline	(ug/kg)		360U	280U	350U	270U
4,6-Dinitro-2-methylphenol	(ug/kg)		360U	280U	350U	270U
N-Nitrosodiphenylamine	(ug/kg)		140U	110U	140U	110U
4-Bromophenyl phenylether	(ug/kg)		140U	110U	140U	110U
Hexachlorobenzene	(ug/kg)		140U	110U	140U	110U
Atrazine	(ug/kg)		140U	110U	140U	110U
Pentachlorophenol	(ug/kg)		360U	590	8600	4100
Phenanthrene	(ug/kg)		180	610	280	1200
Anthracene	(ug/kg)		140U	87J	140U	320
Carbazole	(ug/kg)		140U	69J	140U	150
Di-n-butylphthalate	(ug/kg)		140U	110U	140U	110U
Fluoranthene	(ug/kg)		300	670	460	2400
Pyrene	(ug/kg)		260	530	420	2500
Butylbenzylphthalate	(ug/kg)		140U	110U	140U	110U
3,3'-Dichlorobenzidine	(ug/kg)		360U	280U	350U	270U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-041	SS-044	SS-058	SS-059
	SAMPLE ID	D03655	D03642	D03657	D03658
	DATE	11/19/2002	11/19/2002	11/20/2002	11/20/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	100J	310	180	1300
Chrysene	(ug/kg)	210	460	330	1600
bis(2-Ethylhexyl) phthalate	(ug/kg)	88JB	55J	460B	190B
Di-n-octylphthalate	(ug/kg)	140U	110U	140U	110U
Benzo(b)fluoranthene	(ug/kg)	150	340	340	2100
Benzo(k)fluoranthene	(ug/kg)	140J	310	290	1700
Benzo(a)pyrene	(ug/kg)	100J	260	200	1400
Indeno(1,2,3-cd)pyrene	(ug/kg)	140U	120	110J	440
Dibenz(a,h) anthracene	(ug/kg)	140U	110U	140U	130
Benzo(g,h,i)perylene	(ug/kg)	140U	110J	84J	310

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-060	SS-061	SS-062	SS-062
		SAMPLE ID	D03659	D03660	D03663	D03664
		DATE	11/20/2002	11/20/2002	11/20/2002	11/20/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
Benzaldehyde	(ug/kg)		180B	99JB	110U	110U
Phenol	(ug/kg)		110U	110U	110U	110U
2-Chlorophenol	(ug/kg)		110U	110U	110U	110U
Bis(2-chloroethyl)ether	(ug/kg)		110U	110U	110U	110U
2-Methylphenol	(ug/kg)		110U	110U	120	140
2,2'-Oxybis(1-Chloropropane)	(ug/kg)		110U	110U	110U	110U
Acetophenone	(ug/kg)		110U	110U	72J	79J
4-Methylphenol	(ug/kg)		110U	110U	360	400
2,6-Dimethylphenol	(ug/kg)		280U	270U	270U	280U
N-Nitrosodi-n-propylamine	(ug/kg)		110U	110U	110U	110U
Hexachloroethane	(ug/kg)		110U	110U	110U	110U
Nitrobenzene	(ug/kg)		110U	110U	110U	110U
Isophorone	(ug/kg)		110U	110U	110U	110U
2-Nitrophenol	(ug/kg)		110U	110U	110U	110U
2,4-Dimethylphenol	(ug/kg)		280U	270U	91J	95J
Bis(2-chloroethoxy)methane	(ug/kg)		110U	110U	110U	110U
2,4-Dichlorophenol	(ug/kg)		110U	110U	110U	110U
3,4-Dimethylphenol	(ug/kg)		280U	270U	270U	280U
Naphthalene	(ug/kg)		330	68J	2100	2300
4-Chloroaniline	(ug/kg)		280U	270U	270U	280U
Hexachlorobutadiene	(ug/kg)		110U	110U	110U	110U
Caprolactam	(ug/kg)		110U	110U	110U	110U
4-Chloro-3-methylphenol	(ug/kg)		110U	110U	110U	110U
2-Methylnaphthalene	(ug/kg)		340	69J	1100	1100
Hexachlorocyclopentadiene	(ug/kg)		280U	270U	270U	280U
2,4,6-Trichlorophenol	(ug/kg)		110U	110U	110U	110U
2,4,5-Trichlorophenol	(ug/kg)		110U	110U	110U	110U
Biphenyl	(ug/kg)		84J	110U	160	170

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-060	SS-061	SS-062	SS-062
	SAMPLE ID	D03659	D03660	D03663	D03664
	DATE	11/20/2002	11/20/2002	11/20/2002	11/20/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1
2-Chloronaphthalene	(ug/kg)	110U	110U	110U	110U
2-Nitroaniline	(ug/kg)	110U	110U	110U	110U
Dimethylphthalate	(ug/kg)	110U	110U	110U	110U
2,6-Dinitrotoluene	(ug/kg)	110U	110U	110U	110U
Acenaphthylene	(ug/kg)	120	110U	270	290
3-Nitroaniline	(ug/kg)	280U	270U	270U	280U
Acenaphthene	(ug/kg)	110U	110U	68J	75J
2,4-Dinitrophenol	(ug/kg)	280U	270U	270U	280U
4-Nitrophenol	(ug/kg)	280U	270U	270U	280U
2,3,5,6-Tetrachlorophenol	(ug/kg)	280U	270U	270U	280U
Dibenzofuran	(ug/kg)	110J	110U	320	330
2,4-Dinitrotoluene	(ug/kg)	110U	110U	110U	110U
Diethylphthalate	(ug/kg)	110U	110U	110U	110U
Fluorene	(ug/kg)	110U	110U	110U	110U
4-chlorophenyl-phenylether	(ug/kg)	110U	110U	110U	110U
4-Nitroaniline	(ug/kg)	280U	270U	270U	280U
4,6-Dinitro-2-methylphenol	(ug/kg)	280U	270U	270U	280U
N-Nitrosodiphenylamine	(ug/kg)	110U	110U	110U	110U
4-Bromophenyl phenylether	(ug/kg)	110U	110U	110U	110U
Hexachlorobenzene	(ug/kg)	110U	110U	110U	110U
Atrazine	(ug/kg)	110U	110U	110U	110U
Pentachlorophenol	(ug/kg)	1300	64J	490	540
Phenanthrene	(ug/kg)	770	160	700	840
Anthracene	(ug/kg)	110J	110U	300	330
Carbazole	(ug/kg)	72J	110U	130	160
Di-n-butylphthalate	(ug/kg)	110U	110U	110U	110U
Fluoranthene	(ug/kg)	1200	410	1500	1900
Pyrene	(ug/kg)	1100	340	1400	1700
Butylbenzylphthalate	(ug/kg)	110U	110U	110U	110U
3,3'-Dichlorobenzidine	(ug/kg)	280U	270U	270U	280U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-060 D03659 11/20/2002 0.50 Primary	SS-061 D03660 11/20/2002 0.50 Primary	SS-062 D03663 11/20/2002 0.50 Primary	SS-062 D03664 11/20/2002 0.50 Duplicate 1
Benzo(a)anthracene	(ug/kg)	540	150	660	770
Chrysene	(ug/kg)	850	180	900	1100
bis(2-Ethylhexyl) phthalate	(ug/kg)	110U	69JB	62JB	110U
Di-n-octylphthalate	(ug/kg)	110U	110U	110U	110U
Benzo(b)fluoranthene	(ug/kg)	690	140	1200	1300
Benzo(k)fluoranthene	(ug/kg)	630	120	980	1200
Benzo(a)pyrene	(ug/kg)	500	89J	660	780
Indeno(1,2,3-cd)pyrene	(ug/kg)	190	80J	270	320
Dibenz(a,h) anthracene	(ug/kg)	64J	110U	86J	95J
Benzo(g,h,i)perylene	(ug/kg)	140	73J	200	220

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-063 D03662 11/20/2002 0.50 Primary	SS-064 D03661 11/20/2002 0.50 Primary
Starting Depth	(feet)		0.00	0.00
Ending Depth	(feet)		1.00	1.00
Benzaldehyde	(ug/kg)		270B	100JB
Phenol	(ug/kg)		110U	110U
2-Chlorophenol	(ug/kg)		110U	110U
Bis(2-chloroethyl)ether	(ug/kg)		110U	110U
2-Methylphenol	(ug/kg)		110U	110U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)		110U	110U
Acetophenone	(ug/kg)		140	110U
4-Methylphenol	(ug/kg)		110U	110U
2,6-Dimethylphenol	(ug/kg)		290U	270U
N-Nitrosodi-n-propylamine	(ug/kg)		110U	110U
Hexachloroethane	(ug/kg)		110U	110U
Nitrobenzene	(ug/kg)		110U	110U
Isophorone	(ug/kg)		110U	110U
2-Nitrophenol	(ug/kg)		110U	110U
2,4-Dimethylphenol	(ug/kg)		290U	270U
Bis(2-chloroethoxy)methane	(ug/kg)		110U	110U
2,4-Dichlorophenol	(ug/kg)		110U	110U
3,4-Dimethylphenol	(ug/kg)		290U	270U
Naphthalene	(ug/kg)		200	60J
4-Chloroaniline	(ug/kg)		290U	270U
Hexachlorobutadiene	(ug/kg)		110U	110U
Caprolactam	(ug/kg)		110U	110U
4-Chloro-3-methylphenol	(ug/kg)		110U	110U
2-Methylnaphthalene	(ug/kg)		180	68J
Hexachlorocyclopentadiene	(ug/kg)		290U	270U
2,4,6-Trichlorophenol	(ug/kg)		110U	110U
2,4,5-Trichlorophenol	(ug/kg)		110U	110U
Biphenyl	(ug/kg)		110U	110U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-063 D03662 11/20/2002 0.50 Primary	SS-064 D03661 11/20/2002 0.50 Primary
2-Chloronaphthalene	(ug/kg)	110U	110U
2-Nitroaniline	(ug/kg)	110U	110U
Dimethylphthalate	(ug/kg)	110U	110U
2,6-Dinitrotoluene	(ug/kg)	110U	110U
Acenaphthylene	(ug/kg)	160	110U
3-Nitroaniline	(ug/kg)	290U	270U
Acenaphthene	(ug/kg)	110U	110U
2,4-Dinitrophenol	(ug/kg)	290U	270U
4-Nitrophenol	(ug/kg)	290U	270U
2,3,5,6-Tetrachlorophenol	(ug/kg)	290U	270U
Dibenzofuran	(ug/kg)	64J	110U
2,4-Dinitrotoluene	(ug/kg)	110U	110U
Diethylphthalate	(ug/kg)	110U	110U
Fluorene	(ug/kg)	110U	110U
4-chlorophenyl-phenylether	(ug/kg)	110U	110U
4-Nitroaniline	(ug/kg)	290U	270U
4,6-Dinitro-2-methylphenol	(ug/kg)	290U	270U
N-Nitrosodiphenylamine	(ug/kg)	110U	110U
4-Bromophenyl phenylether	(ug/kg)	110U	110U
Hexachlorobenzene	(ug/kg)	110U	110U
Atrazine	(ug/kg)	110U	110U
Pentachlorophenol	(ug/kg)	220J	270U
Phenanthrene	(ug/kg)	470	160
Anthracene	(ug/kg)	88J	110U
Carbazole	(ug/kg)	77J	110U
Di-n-butylphthalate	(ug/kg)	110U	110U
Fluoranthene	(ug/kg)	870	240
Pyrene	(ug/kg)	700	190
Butylbenzylphthalate	(ug/kg)	110U	110U
3,3'-Dichlorobenzidine	(ug/kg)	290U	270U

Surface Soil SVOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-063 D03662 11/20/2002 0.50 Primary	SS-064 D03661 11/20/2002 0.50 Primary
Benzo(a)anthracene	(ug/kg)		360	110
Chrysene	(ug/kg)		610	190
bis(2-Ethylhexyl) phthalate	(ug/kg)		270B	49JB
Di-n-octylphthalate	(ug/kg)		110U	110U
Benzo(b)fluoranthene	(ug/kg)		540	140
Benzo(k)fluoranthene	(ug/kg)		450	140
Benzo(a)pyrene	(ug/kg)		320	97J
Indeno(1,2,3-cd)pyrene	(ug/kg)		280	71J
Dibenz(a,h) anthracene	(ug/kg)		86J	110U
Benzo(g,h,i)perylene	(ug/kg)		240	65J

Surface Soil VOC Results

PERIOD: From 01/13/1989 thru 04/29/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	MW-010	MW-011
		SAMPLE ID		
		DATE	01/17/1989	01/13/1989
		DEPTH (ft)	1.00	1.00
		RESULT TYPE	Primary	Primary
Starting Depth	(feet)		0.00	0.00
Ending Depth	(feet)		2.00	2.00
Benzene	(ug/kg)		36.2	33
Toluene	(ug/kg)		30.4	20U
Xylenes (total)	(ug/kg)		30	30U

Appendix C
Surface Soil Metals Results

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	EPA-10 EPA-10 04/29/2003 0.08 Primary	EPA-12 EPA-12 04/29/2003 0.08 Primary	EPA-2 EPA-2 04/29/2003 0.08 Primary	EPA-3 EPA-3 04/29/2003 0.08 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.17	0.17	0.17	0.17
Aluminum	(mg/kg)	4000	7500	5300	4500
Antimony	(mg/kg)	10U	10U	10U	10U
Arsenic	(mg/kg)	20U	33	420	33
Barium	(mg/kg)	47	46	38	25
Beryllium	(mg/kg)	1U	1U	1U	1U
Cadmium	(mg/kg)	3U	3U	3U	3U
Calcium	(mg/kg)	1700	1200	1300	800
Chromium(total)	(mg/kg)	24	45	660	67
Cobalt	(mg/kg)	3.2	4	4.2	3.7
Copper	(mg/kg)	31	44	280	46
Iron	(mg/kg)	8500	11000	14000	11000
Lead	(mg/kg)	180	180	210	92
Magnesium	(mg/kg)	1300	1400	1500	1200
Manganese	(mg/kg)	190	350	200	170
Mercury	(mg/kg)				
Nickel	(mg/kg)	6U	7.5	8	6
Potassium	(mg/kg)				
Selenium	(mg/kg)	20U	20U	20U	20U
Silver	(mg/kg)	3U	3U	3U	3U
Sodium	(mg/kg)				
Thallium	(mg/kg)	20U	20U	20U	20U
Vanadium	(mg/kg)	13	19	18	14
Zinc	(mg/kg)	80	160	65	57

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	EPA-4 EPA-4 04/29/2003 0.08 Primary	EPA-5 EPA-5 04/29/2003 0.08 Primary	EPA-6 EPA-6 04/29/2003 0.08 Primary	EPA-7 EPA-7 04/29/2003 0.08 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.17	0.17	0.17	0.17
Aluminum	(mg/kg)	4100	3500	4800	5200
Antimony	(mg/kg)	10U	10U	10U	10U
Arsenic	(mg/kg)	20U	36	20U	53
Barium	(mg/kg)	28	27	37	43
Beryllium	(mg/kg)	1U	1U	1U	1U
Cadmium	(mg/kg)	3U	3U	3U	3U
Calcium	(mg/kg)	790	900	2100	1700
Chromium(total)	(mg/kg)	45	55	24	92
Cobalt	(mg/kg)	3.6	3.2	3.9	5.1
Copper	(mg/kg)	27	37	26	68
Iron	(mg/kg)	13000	10000	11000	17000
Lead	(mg/kg)	110	190	43	240
Magnesium	(mg/kg)	1200	1200	1800	1800
Manganese	(mg/kg)	200	200	210	330
Mercury	(mg/kg)				
Nickel	(mg/kg)	7.3	6U	8.4	9.8
Potassium	(mg/kg)				
Selenium	(mg/kg)	20U	20U	20U	20U
Silver	(mg/kg)	3U	3U	3U	3U
Sodium	(mg/kg)				
Thallium	(mg/kg)	20U	20U	20U	20U
Vanadium	(mg/kg)	16	15	13	19
Zinc	(mg/kg)	92	63	82	110

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	EPA-8	EPA-9	HP1-D5	HP1-J5
	SAMPLE ID	EPA-8	EPA-9		
	DATE	04/29/2003	04/29/2003	09/30/1994	09/30/1994
	DEPTH (ft)	0.08	0.08	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.17	0.17	0.50	0.50
Aluminum	(mg/kg)	4300	6100	6800	5800
Antimony	(mg/kg)	10U	10U	0U	0U
Arsenic	(mg/kg)	20U	21	94	26
Barium	(mg/kg)	22	42	12	24
Beryllium	(mg/kg)	1U	1U	0.35	0.48
Cadmium	(mg/kg)	3U	3U	0U	0U
Calcium	(mg/kg)	820	2300	790	1700
Chromium(total)	(mg/kg)	29	30	120	38
Cobalt	(mg/kg)	3.6	4	1.1	1.2
Copper	(mg/kg)	22	28	72	44
Iron	(mg/kg)	9600	11000	11000	19000
Lead	(mg/kg)	92	110	10	79
Magnesium	(mg/kg)	1500	1400	1700	2700
Manganese	(mg/kg)	200	210	150	300
Mercury	(mg/kg)				
Nickel	(mg/kg)	6.9	6.8	5.2	9.7
Potassium	(mg/kg)			220	500
Selenium	(mg/kg)	20U	20U	0U	0U
Silver	(mg/kg)	3U	3U	0U	0U
Sodium	(mg/kg)			28	48
Thallium	(mg/kg)	20U	20U	12	43
Vanadium	(mg/kg)	15	16	13	6.3
Zinc	(mg/kg)	48	81	20	38

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP1-M5 09/30/1994 0.25 Primary	HP2-A 09/30/1994 0.25 Primary	HP3-B5 09/30/1994 0.25 Primary	HP3-D5 09/30/1994 0.25 Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		0.50	0.50	0.50	0.50
Aluminum	(mg/kg)		3400	8000	4100	4100
Antimony	(mg/kg)		0U	0U	0U	0U
Arsenic	(mg/kg)		630	300	1200	1200
Barium	(mg/kg)		35	49	52	32
Beryllium	(mg/kg)		0.43	0.58	0.44	0.38
Cadmium	(mg/kg)		0U	0U	0U	0U
Calcium	(mg/kg)		1100	4000	1400	1100
Chromium(total)	(mg/kg)		180	460	1800	1400
Cobalt	(mg/kg)		0U	0U	0U	0U
Copper	(mg/kg)		240	270	800	700
Iron	(mg/kg)		32000	21000	28000	22000
Lead	(mg/kg)		220	130	220	110
Magnesium	(mg/kg)		1200	2300	1300	1600
Manganese	(mg/kg)		210	330	210	200
Mercury	(mg/kg)					
Nickel	(mg/kg)		10	12	9.9	9.1
Potassium	(mg/kg)		300	660	360	270
Selenium	(mg/kg)		0U	0U	0U	0U
Silver	(mg/kg)		0U	0U	0U	0U
Sodium	(mg/kg)		48	83	48	51
Thallium	(mg/kg)		82	35	67	49
Vanadium	(mg/kg)		9.6	13	5	4.1
Zinc	(mg/kg)		57	170	110	120

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HP4-F 09/30/1994 0.25 Primary	HP4-G 09/30/1994 0.25 Primary	HP5-E 09/30/1994 0.25 Primary	HP5-K 09/30/1994 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	0.50
Aluminum	(mg/kg)	6500	6700	2700	6500
Antimony	(mg/kg)	0U	0U	0U	0U
Arsenic	(mg/kg)	400	1200	160	8.7
Barium	(mg/kg)	41	20	33	19
Beryllium	(mg/kg)	0.44	0.62	0.28	0.43
Cadmium	(mg/kg)	0U	0U	0U	0U
Calcium	(mg/kg)	13000	800	430	530
Chromium(total)	(mg/kg)	600	950	470	15
Cobalt	(mg/kg)	0U	0U	0U	0U
Copper	(mg/kg)	160	230	86	10
Iron	(mg/kg)	15000	20000	26000	16000
Lead	(mg/kg)	75	74	17	9.5
Magnesium	(mg/kg)	1800	2300	1000	1600
Manganese	(mg/kg)	220	220	120	130
Mercury	(mg/kg)				
Nickel	(mg/kg)	7.9	10	3	5.5
Potassium	(mg/kg)	280	440	380	270
Selenium	(mg/kg)	0U	0U	8.8	0U
Silver	(mg/kg)	0U	0U	0U	0U
Sodium	(mg/kg)	68	29	130	36
Thallium	(mg/kg)	23	39	68	24
Vanadium	(mg/kg)	12	8.4	8.7	15
Zinc	(mg/kg)	230	47	17	24

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	MW-010	MW-011	SS-026	SS-030
	SAMPLE ID			MAJF67	D03519
	DATE	01/17/1989	01/13/1989	11/11/2002	11/07/2002
	DEPTH (ft)	1.00	1.00	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	2.00	2.00	1.00	1.00
Aluminum	(mg/kg)			4640	3900
Antimony	(mg/kg)			2.1JEB	0.48UJ
Arsenic	(mg/kg)	2.3	5	10.4	17J
Barium	(mg/kg)			27.2	32J
Beryllium	(mg/kg)			0.26U	0.24J
Cadmium	(mg/kg)			0.064U	0.39J
Calcium	(mg/kg)			1350J	640J
Chromium(total)	(mg/kg)	19.4	10.3	14.5	28J
Cobalt	(mg/kg)			4	2J
Copper	(mg/kg)	21.3	14.10	48.4	28J
Iron	(mg/kg)			14200	390
Lead	(mg/kg)			98.9	180J
Magnesium	(mg/kg)			1900	1000
Manganese	(mg/kg)			235	15J
Mercury	(mg/kg)			0.15	0.1
Nickel	(mg/kg)			6.7	7JEB
Potassium	(mg/kg)			272J	150UJ
Selenium	(mg/kg)			0.64U	0.33J
Silver	(mg/kg)			0.17U	0.084UJ
Sodium	(mg/kg)			711U	230UJ
Thallium	(mg/kg)			R	0.026UJ
Vanadium	(mg/kg)			12.9	14J
Zinc	(mg/kg)			81.7	99JEB

Surface Soil Metals Results

Normal Dry

Normal Wet

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-031	SS-033	SS-034	SS-034
		SAMPLE ID	D03533	MAJF62	MAJF63	MAJF64
		DATE	11/07/2002	11/11/2002	11/11/2002	11/11/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
Aluminum	(mg/kg)		5200	3470	2930	1650
Antimony	(mg/kg)		0.47UJ	5.1JEB	12.2N	6BN
Arsenic	(mg/kg)		8.1J	13.5	8.9	3.5
Barium	(mg/kg)		29J	45	88.2	36.5B
Beryllium	(mg/kg)		0.28J	0.3U	0.27B	0.15B
Cadmium	(mg/kg)		0.23J	4.1	0.08U	0.08U
Calcium	(mg/kg)		920	5930J	2420	2330
Chromium(total)	(mg/kg)		15J	10.2	24.5	6.9
Cobalt	(mg/kg)		2.7J	5.7	16.4	2.3B
Copper	(mg/kg)		24J	96.6	112E	46.9E
Iron	(mg/kg)		9600	22100	26200	10700
Lead	(mg/kg)		170J	382	731	310
Magnesium	(mg/kg)		1400	1390	1250	708B
Manganese	(mg/kg)		200J	166	166	75.5
Mercury	(mg/kg)		0.16	0.2	30.5	5.5
Nickel	(mg/kg)		8.1JEB	7.7	9.8E	2.1BE
Potassium	(mg/kg)		200J	258J	451BE	210BE
Selenium	(mg/kg)		0.26UJ	1.7	0.93B	0.63U
Silver	(mg/kg)		0.098UJ	0.18U	0.74BN	0.28BN
Sodium	(mg/kg)		150UJ	745U	207B	135B
Thallium	(mg/kg)		0.036UJ	R	0.85B	0.65U
Vanadium	(mg/kg)		13J	15.2	15.8	8.3B
Zinc	(mg/kg)		71JEB	421	131	56.5

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-035	SS-036	SS-037	SS-038
		SAMPLE ID	D03535	D03536	MAJF66	MAJF65
		DATE	11/07/2002	11/07/2002	11/12/2002	11/12/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
Aluminum	(mg/kg)		11000	2600	4670	5070
Antimony	(mg/kg)		0.35UJ	7.5J	0.3UJ	1.4UJ
Arsenic	(mg/kg)		3.9J	29J	3.6	14.8
Barium	(mg/kg)		31J	54J	16.5	53.2
Beryllium	(mg/kg)		0.39J	0.28J	0.29U	0.29U
Cadmium	(mg/kg)		0.15J	0.23J	0.061U	0.27
Calcium	(mg/kg)		1300	1300	889J	16600J
Chromium(total)	(mg/kg)		12J	19J	6.4	14.4
Cobalt	(mg/kg)		2.8J	4.2J	3.5	4
Copper	(mg/kg)		16J	130J	10.3	31.6
Iron	(mg/kg)		14000	29000	8800	12400
Lead	(mg/kg)		35J	230J	24.6	83.4
Magnesium	(mg/kg)		1300J	590J	1910	2140
Manganese	(mg/kg)		130J	210J	178	200
Mercury	(mg/kg)		0.25	0.52	0.053U	0.29
Nickel	(mg/kg)		7.1JEB	7.6JEB	5.7	9.2
Potassium	(mg/kg)		320J	200J	244J	386J
Selenium	(mg/kg)		0.82J	1.5	0.86J	1.4
Silver	(mg/kg)		0.14UJ	0.23J	0.16U	0.18U
Sodium	(mg/kg)		240UJ	170UJ	698UJ	750U
Thallium	(mg/kg)		0.083J	0.0094U	R	R
Vanadium	(mg/kg)		24J	12J	12.6	15
Zinc	(mg/kg)		32JEB	52JEB	27.7	218

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

Normal DRY | Field Dup. DRY | Normal Wet | Field Dup Wet

CONSTITUENT					
	SITE	SS-039	SS-039	SS-039	SS-039
	SAMPLE ID	MAJF68	MAJF77	MAJF69	MAJF78
	DATE	11/12/2002	11/12/2002	11/12/2002	11/12/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Duplicate 1	Primary	Duplicate 1
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Aluminum	(mg/kg)	9660	9320	7260	6790
Antimony	(mg/kg)	2.3BN	2.4BN	1.9BN	0.84UN
Arsenic	(mg/kg)	11.3	11.2	7.6	6.3
Barium	(mg/kg)	66.6	63.2	45.2B	45.4B
Beryllium	(mg/kg)	0.59B	0.5B	0.36B	0.33B
Cadmium	(mg/kg)	0.08U	0.08U	0.1U	0.10U
Calcium	(mg/kg)	961B	973B	1080B	829B
Chromium(total)	(mg/kg)	15.6	15.6	9	9
Cobalt	(mg/kg)	11.1	12.2	3.9B	3.4B
Copper	(mg/kg)	57.8E	55.6E	29.9E	26.8E
Iron	(mg/kg)	17700	18100	13600	12300
Lead	(mg/kg)	84.8	79.1	60.2	51.7
Magnesium	(mg/kg)	828B	921B	1010B	776B
Manganese	(mg/kg)	149	153	124	114
Mercury	(mg/kg)	0.22	0.22	0.11U	0.12U
Nickel	(mg/kg)	6.9BE	7BE	4.3BE	4.2BE
Potassium	(mg/kg)	278BE	283BE	197BE	196BE
Selenium	(mg/kg)	0.93B	1.3	1.2	0.72U
Silver	(mg/kg)	0.61BN	0.51BN	0.32BN	0.33BN
Sodium	(mg/kg)	107B	117B	128B	120B
Thallium	(mg/kg)	0.63U	0.63U	0.74U	0.74U
Vanadium	(mg/kg)	22.7	22.5	16.8	16.2
Zinc	(mg/kg)	33.2	33.1	27.1	24.7

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-040 MAJF70 11/12/2002 0.50 Primary	SS-041 MAJF71 11/12/2002 0.50 Primary	SS-042 MAJF72 11/12/2002 0.50 Primary	SS-043 MAJF73 11/12/2002 0.50 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Aluminum	(mg/kg)	6040	10600	2940	3120
Antimony	(mg/kg)	0.25UJ	0.25UJ	0.24UJ	0.70UN
Arsenic	(mg/kg)	1.9	4.1	5.8	38.6
Barium	(mg/kg)	17.6	28.6	18.9	50.8
Beryllium	(mg/kg)	0.25U	0.45	0.15U	0.15B
Cadmium	(mg/kg)	0.064U	0.062U	0.061U	0.08U
Calcium	(mg/kg)	844J	864J	921J	634B
Chromium(total)	(mg/kg)	8.4	13.2	5.8	34.4
Cobalt	(mg/kg)	3.1	4	2.2	21.1
Copper	(mg/kg)	5.8	7.7	5.6	20.1E
Iron	(mg/kg)	9270	12900	11400	30100
Lead	(mg/kg)	8.6	8.3	7.6	15
Magnesium	(mg/kg)	2090	2040	1400	1260
Manganese	(mg/kg)	183	152	171	118
Mercury	(mg/kg)	0.047U	0.051U	0.04U	0.1U
Nickel	(mg/kg)	5.1	6.8	2.6	14.6E
Potassium	(mg/kg)	246J	378J	210J	574BE
Selenium	(mg/kg)	0.64U	1.2	0.91J	2
Silver	(mg/kg)	0.17U	0.17U	0.16U	0.6BN
Sodium	(mg/kg)	710UJ	736U	691UJ	221B
Thallium	(mg/kg)	R	R	R	1.7B
Vanadium	(mg/kg)	13.4	21	9.2	15.2
Zinc	(mg/kg)	26.3	25.6	14.8	22.6

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-043	SS-044	SS-045	SS-051
		SAMPLE ID	MAJF74	MAJF75	MAJF76	D03542
		DATE	11/12/2002	11/12/2002	11/12/2002	11/06/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
Aluminum	(mg/kg)		2160	4920	7890	3000
Antimony	(mg/kg)		0.72UN	4.1JEB	1.4UJ	0.07UJ
Arsenic	(mg/kg)		20.3	23.6	12.8	1.1J
Barium	(mg/kg)		26.8B	61.1	47.1	7.7J
Beryllium	(mg/kg)		0.11B	0.26U	1.4	0.17J
Cadmium	(mg/kg)		0.08U	0.063UJ	0.064UJ	0.051J
Calcium	(mg/kg)		514B	768J	1960J	640J
Chromium(total)	(mg/kg)		4.6	13.6	42.6	4.2J
Cobalt	(mg/kg)		2.1B	4.2J	9	1.9J
Copper	(mg/kg)		6.1E	38.8	78.6	5.6J
Iron	(mg/kg)		18000	19600	25100	5400
Lead	(mg/kg)		8.3	133	198	15J
Magnesium	(mg/kg)		903B	2210	3160	1300J
Manganese	(mg/kg)		89.7	165	689	140J
Mercury	(mg/kg)		0.1U	0.21	0.072J	0.019
Nickel	(mg/kg)		0.91BE	7.7	43.6	3.4JEB
Potassium	(mg/kg)		292BE	367J	413J	170J
Selenium	(mg/kg)		1.1	3.1	2.1	0.12UJ
Silver	(mg/kg)		0.35BE	0.17U	0.17U	0.083UJ
Sodium	(mg/kg)		157B	743UJ	719U	41UJ
Thallium	(mg/kg)		0.64U	R	R	0.011UJ
Vanadium	(mg/kg)		9.2B	23.7	18.6	7.1J
Zinc	(mg/kg)		13	37.8	289	19JEB

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-052	SS-052	SS-054	SS-054
	SAMPLE ID	D03543	D03544	D03546	D03547
	DATE	11/06/2002	11/06/2002	11/06/2002	11/06/2002
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00		0.00	
Ending Depth	(feet)	1.00		1.00	
Aluminum	(mg/kg)	41000		5000	
Antimony	(mg/kg)	0.12UJ		0.054UJ	
Arsenic	(mg/kg)	2.6J		0.79J	
Barium	(mg/kg)	34J		19J	
Beryllium	(mg/kg)	0.6J		0.093J	
Cadmium	(mg/kg)	0.079J		0.017UJ	
Calcium	(mg/kg)	360J		290J	
Chromium(total)	(mg/kg)	35J		31J	
Cobalt	(mg/kg)	33J		82J	
Copper	(mg/kg)	24J		18J	
Iron	(mg/kg)	18000		3800	
Lead	(mg/kg)	12J		10J	
Magnesium	(mg/kg)	1100J		190J	
Manganese	(mg/kg)	150J		22J	
Mercury	(mg/kg)		0.042		0.041
Nickel	(mg/kg)	8.2JEB		4.1JEB	
Potassium	(mg/kg)	260J		250J	
Selenium	(mg/kg)	1		0.16UJ	
Silver	(mg/kg)	0.13UJ		0.042UJ	
Sodium	(mg/kg)	130UJ		51UJ	
Thallium	(mg/kg)	0.11J		0.11J	
Vanadium	(mg/kg)	19J		7.9J	
Zinc	(mg/kg)	40JEB		14JEB	

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-057	SS-058	SS-059	SS-060
		SAMPLE ID	D03551	MAJF80	MAJF81	MAJF82
		DATE	11/06/2002	11/20/2002	11/20/2002	11/20/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
Aluminum	(mg/kg)		13000	3420	2920	3140
Antimony	(mg/kg)		0.12UJ	28.8	1B	6.8B
Arsenic	(mg/kg)		2.4J	1860*	58.2*	19.4*
Barium	(mg/kg)		35J	50.8B	19.6B	36.8B
Beryllium	(mg/kg)		0.39J	0.3B	0.2B	0.28B
Cadmium	(mg/kg)		0.07J	0.86B	0.088U	0.088U
Calcium	(mg/kg)		300J	2870	962B	3620
Chromium(total)	(mg/kg)		6.6J	2230*	87.2*	23.9*
Cobalt	(mg/kg)		1.8J	2.2B	2.3B	3.8B
Copper	(mg/kg)		3.1J	1240N*	64N*	77.9N*
Iron	(mg/kg)		10000	7760	9920	19000
Lead	(mg/kg)		20J	56.9*	74*	288*
Magnesium	(mg/kg)		540J	1520	1000B	1160
Manganese	(mg/kg)		69J	192	126	190
Mercury	(mg/kg)		0.043	1.2	0.089B	0.22
Nickel	(mg/kg)		4.4JEB	5.2B	4.7B	6B
Potassium	(mg/kg)		150UJ	371B	293B	266B
Selenium	(mg/kg)		0.59J	1B	0.94B	1.8
Silver	(mg/kg)		0.11UJ	0.22B	0.15U	0.16B
Sodium	(mg/kg)		190UJ	204B	129B	155B
Thallium	(mg/kg)		0.058UJ	1.3U	1.1U	1.1U
Vanadium	(mg/kg)		13J	6.9B	9.5B	11B
Zinc	(mg/kg)		22JEB	99E*	47.8E*	49.8E*

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-061 MAJF83 11/20/2002 0.50 Primary	SS-062 MAJF86 11/20/2002 0.50 Primary	SS-062 MAJF87 11/20/2002 0.50 Duplicate 1	SS-063 MAJF85 11/20/2002 0.50 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Aluminum	(mg/kg)	5080	3430	3250	5100
Antimony	(mg/kg)	0.81U	1.1B	1.4B	0.82B
Arsenic	(mg/kg)	4.5*	30.3*	25.8*	20.3*
Barium	(mg/kg)	20.4B	24.3B	21.3B	58.3
Beryllium	(mg/kg)	0.21B	0.18B	0.17B	0.29B
Cadmium	(mg/kg)	0.088U	0.088U	0.087U	0.16B
Calcium	(mg/kg)	1100	1320	1220	29300
Chromium(total)	(mg/kg)	8.5*	27.2*	22*	40*
Cobalt	(mg/kg)	2.5B	2.3B	2B	3.9B
Copper	(mg/kg)	14.7N*	41.5N*	35.5N*	40.5N*
Iron	(mg/kg)	9030	12200	11400	16200
Lead	(mg/kg)	51.6*	89.3*	80.2*	130*
Magnesium	(mg/kg)	1480	1240	1160	2080
Manganese	(mg/kg)	151	99.1	84.2	262
Mercury	(mg/kg)	0.2	0.079B	0.097B	0.27
Nickel	(mg/kg)	4.8B	4.2B	3.7B	18.6
Potassium	(mg/kg)	285B	265B	241B	532B
Selenium	(mg/kg)	1.6	1.2	1.2	1.3
Silver	(mg/kg)	0.15U	0.15U	0.15U	0.15U
Sodium	(mg/kg)	227B	131B	118B	191B
Thallium	(mg/kg)	1.1U	1.1U	1.1U	1.1U
Vanadium	(mg/kg)	10.8B	10.5B	10.4B	14.2
Zinc	(mg/kg)	89E*	22.5E*	19.9E*	54.9E*

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SS-064	WS_0FTGRIDLIN	WS_0FTLINE	WS_105FTGRIDL
	SAMPLE ID	MAJF84	D12470	D12513	D12477
	DATE	11/20/2002	08/18/2003	09/05/2003	08/20/2003
	DEPTH (ft)	0.50	2.00	1.00	2.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	2.00	1.00	2.00
Ending Depth	(feet)	1.00	2.00	1.00	2.00
Aluminum	(mg/kg)	2370	5900		16000
Antimony	(mg/kg)	0.81U	10U		10U
Arsenic	(mg/kg)	62.5*	92	16.9	28
Barium	(mg/kg)	32.8B	50		89
Beryllium	(mg/kg)	0.1B	1U		1U
Cadmium	(mg/kg)	0.088U	3U		3U
Calcium	(mg/kg)	378B	2700		1000
Chromium(total)	(mg/kg)	16.9*	160		48
Cobalt	(mg/kg)	0.74B	5.7		9
Copper	(mg/kg)	2.1BN*	110		51
Iron	(mg/kg)	19600	15000		17000
Lead	(mg/kg)	30.8*	1200		120
Magnesium	(mg/kg)	767B	1700		2200
Manganese	(mg/kg)	83.5	290		420
Mercury	(mg/kg)	0.14			
Nickel	(mg/kg)	2B	9.5		15
Potassium	(mg/kg)	374B			
Selenium	(mg/kg)	8	10U		10U
Silver	(mg/kg)	0.15U	3U		3U
Sodium	(mg/kg)	231B			
Thallium	(mg/kg)	1.1U	20U		20U
Vanadium	(mg/kg)	17.9	18		29
Zinc	(mg/kg)	19.3E*	130		250

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_105FTLINE D12524 09/08/2003 2.00 Primary	WS_120FTGRIDL D12478 08/20/2003 2.00 Primary	WS_135FTGRIDL D12479 08/20/2003 2.00 Primary	WS_140FTGRIDL D12480 08/20/2003 2.00 Primary
Starting Depth	(feet)		2.00	2.00	2.00	2.00
Ending Depth	(feet)		2.00	2.00	2.00	2.00
Aluminum	(mg/kg)			23000	23000	20000
Antimony	(mg/kg)			11U	11U	11U
Arsenic	(mg/kg)		11	22U	22U	22U
Barium	(mg/kg)			63	51	76
Beryllium	(mg/kg)			1.1U	1.1U	1.1U
Cadmium	(mg/kg)			3.3U	3.3U	3.3U
Calcium	(mg/kg)			710	610	1300
Chromium(total)	(mg/kg)			30	22	23
Cobalt	(mg/kg)			7.4	8.5	5.9
Copper	(mg/kg)			23	16	27
Iron	(mg/kg)			20000	18000	18000
Lead	(mg/kg)			46	21	130
Magnesium	(mg/kg)			1600	2400	1600
Manganese	(mg/kg)			580	270	380
Mercury	(mg/kg)					
Nickel	(mg/kg)			9.4	12	8.6
Potassium	(mg/kg)					
Selenium	(mg/kg)			11U	11U	11U
Silver	(mg/kg)			3.3U	3.3U	3.3U
Sodium	(mg/kg)					
Thallium	(mg/kg)			22U	22U	22U
Vanadium	(mg/kg)			35	32	29
Zinc	(mg/kg)			120	78	120

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_155FTGRIDLI D12502 08/25/2003 2.00 Primary	WS_15FTGRIDLI D12471 08/18/2003 2.00 Primary	WS_15FTLINE D12523 09/08/2003 2.00 Primary	WS_170FTGRIDL D12503 08/25/2003 2.00 Primary
Starting Depth	(feet)		2.00	2.00	2.00	2.00
Ending Depth	(feet)		2.00	2.00	2.00	2.00
Aluminum	(mg/kg)		20000	18000		17000
Antimony	(mg/kg)		10U	10U		10U
Arsenic	(mg/kg)		20U	20U	8.3	20U
Barium	(mg/kg)		87	64		100
Beryllium	(mg/kg)		1U	1U		1U
Cadmium	(mg/kg)		3U	3U		3U
Calcium	(mg/kg)		1400	1400		1900
Chromium(total)	(mg/kg)		23	14		16
Cobalt	(mg/kg)		5.3	5		5.4
Copper	(mg/kg)		28	11		26
Iron	(mg/kg)		17000	18000		16000
Lead	(mg/kg)		100	20		61
Magnesium	(mg/kg)		1400	1200		1300
Manganese	(mg/kg)		270	360		450
Mercury	(mg/kg)					
Nickel	(mg/kg)		11	6.1		10
Potassium	(mg/kg)					
Selenium	(mg/kg)		10U	10U		10U
Silver	(mg/kg)		3U	3U		3U
Sodium	(mg/kg)					
Thallium	(mg/kg)		20U	20U		20U
Vanadium	(mg/kg)		29	27		30
Zinc	(mg/kg)		370	68		96

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_180FTGRIDLI D12506 08/28/2003 2.00 Primary	WS_195FTGRIDL D12505 08/28/2003 2.00 Primary	WS_210FTGRIDL D12504 08/28/2003 2.00 Primary	WS_225FTGRIDL D12507 08/28/2003 2.00 Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	2.00	2.00	2.00	2.00
Aluminum	(mg/kg)	16000	20000	7200	8500
Antimony	(mg/kg)	10U	11U	10U	10U
Arsenic	(mg/kg)	20U	22U	20U	48
Barium	(mg/kg)	100	54	28	140
Beryllium	(mg/kg)	1U	1.1U	1U	1U
Cadmium	(mg/kg)	3U	3.3U	3U	3U
Calcium	(mg/kg)	1400	450	790	1400
Chromium(total)	(mg/kg)	17	17	18	21
Cobalt	(mg/kg)	5.7	5.1	6.3	7.9
Copper	(mg/kg)	21	15	28	87
Iron	(mg/kg)	16000	17000	13000	40000
Lead	(mg/kg)	110	19	29	290
Magnesium	(mg/kg)	1600	1300	1600	1600
Manganese	(mg/kg)	420	670	200	440
Mercury	(mg/kg)				
Nickel	(mg/kg)	9.6	7.2	6.3	15
Potassium	(mg/kg)				
Selenium	(mg/kg)	10U	11U	10U	10U
Silver	(mg/kg)	3U	3.3U	3U	3U
Sodium	(mg/kg)				
Thallium	(mg/kg)	20U	22U	20U	20U
Vanadium	(mg/kg)	25	28	18	28
Zinc	(mg/kg)	110	72	52	200

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_240FTGRIDLI D12508 08/29/2003 2.00 Primary	WS_255FTGRIDL D12509 09/02/2003 2.00 Primary	WS_270FTGRIDL D12510 09/02/2003 2.00 Primary	WS_285FTGRIDL D12511 09/02/2003 2.00 Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	2.00	2.00	2.00	2.00
Aluminum	(mg/kg)	11000	4600	8000	6200
Antimony	(mg/kg)	11U	10U	11U	10U
Arsenic	(mg/kg)	290	20U	22U	24
Barium	(mg/kg)	88	26	150	38
Beryllium	(mg/kg)	1.1U	1U	1.1U	1U
Cadmium	(mg/kg)	3.3U	3U	3.3U	3U
Calcium	(mg/kg)	1100	780	950	1200
Chromium(total)	(mg/kg)	380	28	12	24
Cobalt	(mg/kg)	5.3	4.2	6.5	4.4
Copper	(mg/kg)	220	30	420	37
Iron	(mg/kg)	16000	11000	16000	11000
Lead	(mg/kg)	160	120	180	170
Magnesium	(mg/kg)	1700	1500	1800	1700
Manganese	(mg/kg)	220	210	310	260
Mercury	(mg/kg)				
Nickel	(mg/kg)	9.6	6.2	9	6.7
Potassium	(mg/kg)				
Selenium	(mg/kg)	11U	10U	11U	10U
Silver	(mg/kg)	3.3U	3U	3.3U	3U
Sodium	(mg/kg)				
Thallium	(mg/kg)	22U	20U	22U	20U
Vanadium	(mg/kg)	25	15	24	18
Zinc	(mg/kg)	110	52	130	58

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_295FTGRIDLI D12512 09/02/2003 2.00 Primary	WS_30FTGRIDLI D12472 08/18/2003 2.00 Primary	WS_30FTLINE D12522 09/08/2003 2.00 Primary	WS_45FTGRIDLI D12473 08/20/2003 2.00 Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	2.00	2.00	2.00	2.00
Aluminum	(mg/kg)	12000	5900		18000
Antimony	(mg/kg)	11U	10U		10U
Arsenic	(mg/kg)	120	92	48	20U
Barium	(mg/kg)	110	50		39
Beryllium	(mg/kg)	1.1U	1U		1U
Cadmium	(mg/kg)	3.3U	3U		3U
Calcium	(mg/kg)	890	2700		1400
Chromium(total)	(mg/kg)	95	160		18
Cobalt	(mg/kg)	6.8	5.7		8.1
Copper	(mg/kg)	140	110		18
Iron	(mg/kg)	21000	15000		18000
Lead	(mg/kg)	240	1200		12
Magnesium	(mg/kg)	1800	1700		3400
Manganese	(mg/kg)	310	290		210
Mercury	(mg/kg)				
Nickel	(mg/kg)	11	9.5		12
Potassium	(mg/kg)				
Selenium	(mg/kg)	11U	10U		10U
Silver	(mg/kg)	3.3U	3U		3U
Sodium	(mg/kg)				
Thallium	(mg/kg)	22U	20U		20U
Vanadium	(mg/kg)	31	18		25
Zinc	(mg/kg)	150	130		55

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_45FTLINE D12521 09/08/2003 2.00 Primary	WS_60FTGRIDLI D12474 08/20/2003 2.00 Primary	WS_60FTLINE D12517 09/05/2003 1.00 Primary	WS_75FTGRIDLI D12475 08/20/2003 2.00 Primary
Starting Depth	(feet)	2.00	2.00	1.00	2.00
Ending Depth	(feet)	2.00	2.00	1.00	2.00
Aluminum	(mg/kg)		24000		11000
Antimony	(mg/kg)		10U		11U
Arsenic	(mg/kg)	52	20U	18	22U
Barium	(mg/kg)		120		560
Beryllium	(mg/kg)		1U		1.1U
Cadmium	(mg/kg)		3U		12
Calcium	(mg/kg)		1500		3800
Chromium(total)	(mg/kg)		22		40
Cobalt	(mg/kg)		6.1		9.8
Copper	(mg/kg)		22		12000
Iron	(mg/kg)		19000		62000
Lead	(mg/kg)		200		2800
Magnesium	(mg/kg)		1300		1200
Manganese	(mg/kg)		370		730
Mercury	(mg/kg)				
Nickel	(mg/kg)		10		17
Potassium	(mg/kg)				
Selenium	(mg/kg)		10U		11U
Silver	(mg/kg)		3U		3.3U
Sodium	(mg/kg)				
Thallium	(mg/kg)		20U		22U
Vanadium	(mg/kg)		28		27
Zinc	(mg/kg)		120		4100

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE / SAMPLE ID / DATE / DEPTH (ft) / RESULT TYPE	WS_75FTLINE D12518 09/05/2003 1.00 Primary	WS_90FTGRIDLI D12476 08/20/2003 2.00 Primary	WS_90FTLINE D12519 09/05/2003 1.00 Primary	WS_A-0WALL D12572 09/22/2003 0.67 Primary
Starting Depth	(feet)	1.00	2.00	1.00	0.67
Ending Depth	(feet)	1.00	2.00	1.00	0.67
Aluminum	(mg/kg)		18000		
Antimony	(mg/kg)		11U		
Arsenic	(mg/kg)	9.4	22U	3.2	8
Barium	(mg/kg)		67		
Beryllium	(mg/kg)		1.1U		
Cadmium	(mg/kg)		3.3U		
Calcium	(mg/kg)		670		
Chromium(total)	(mg/kg)		23		
Cobalt	(mg/kg)		6.3		
Copper	(mg/kg)		19		
Iron	(mg/kg)		18000		
Lead	(mg/kg)		56		
Magnesium	(mg/kg)		2000		
Manganese	(mg/kg)		290		
Mercury	(mg/kg)				
Nickel	(mg/kg)		8.1		
Potassium	(mg/kg)				
Selenium	(mg/kg)		11U		
Silver	(mg/kg)		3.3U		
Sodium	(mg/kg)				
Thallium	(mg/kg)		22U		
Vanadium	(mg/kg)		28		
Zinc	(mg/kg)		200		

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_B-0WALL D12573 09/22/2003 0.67 Primary	WS_B-10FLOOR D12574 09/22/2003 1.00 Primary	WS_B-20FLOOR D12575 09/22/2003 1.00 Primary	WS_B-30FLOOR D12588 09/23/2003 1.00 Primary
Starting Depth	(feet)	0.67	1.00	1.00	1.00
Ending Depth	(feet)	0.67	1.00	1.00	1.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	12	5.8	6	9.6
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_B-40FLOOR D12589 09/23/2003 1.00 Primary	WS_B1FLOOR D12535 09/09/2003 1.00 Primary	WS_B3WALL D12536 09/09/2003 0.50 Primary	WS_BFLOOR D12534 09/09/2003 1.00 Primary
Starting Depth	(feet)	1.00	1.00	0.50	1.00
Ending Depth	(feet)	1.00	1.00	0.50	1.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	7.5	13	5	9.7
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_C-10WALL D12576 09/22/2003 1.00 Primary	WS_C-20FLOOR D12577 09/22/2003 1.00 Primary	WS_C-30FLOOR D12590 09/23/2003 1.00 Primary	WS_C-40FLOOR D12591 09/23/2003 1.00 Primary
Starting Depth	(feet)	1.00	1.00	1.00	1.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	15	13	7.2	3.2
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_C1WALL D12558 09/15/2003 0.67 Primary	WS_C2WALL D12557 09/15/2003 0.67 Primary	WS_C3WALL D12559 09/15/2003 0.67 Primary	WS_C4WALL D12556 09/15/2003 0.67 Primary
Starting Depth	(feet)	0.67	0.67	0.67	0.67
Ending Depth	(feet)	0.67	0.67	0.67	0.67
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	3.9	5.4	2.2	6.9
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE / SAMPLE ID / DATE / DEPTH (ft) / RESULT TYPE	WS_D-15WALL D12578 09/22/2003 0.67 Primary	WS_D-20FLOOR D12579 09/22/2003 1.00 Primary	WS_D-30FLOOR D12580 09/22/2003 1.00 Primary	WS_D-40FLOOR D12592 09/23/2003 1.00 Primary
Starting Depth	(feet)	0.67	1.00	1.00	1.00
Ending Depth	(feet)	0.67	1.00	1.00	1.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	6.2	5.4	8.4	22
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_D2WALL D12548 09/16/2003 0.50 Primary	WS_D3WALL D12547 09/12/2003 0.50 Primary	WS_DFLOOR D12550 09/12/2003 1.00 Primary	WS_E'FLOOR D12561 09/16/2003 1.00 Primary
Starting Depth	(feet)	0.50	0.50	1.00	1.00
Ending Depth	(feet)	0.50	0.50	1.00	1.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	4.9	11	2.5	2
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_E-20WALL D12581 09/22/2003 0.67 Primary	WS_E-30FLOOR D12582 09/22/2003 1.00 Primary	WS_E-40FLOOR D12585 09/22/2003 1.00 Primary	WS_E1'WALL D12565 09/16/2003 0.67 Primary
Starting Depth	(feet)	0.67	1.00	1.00	0.67
Ending Depth	(feet)	0.67	1.00	1.00	0.67
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	16	29	7.4	2.9
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_E1WALL D12564 09/16/2003 0.67 Primary	WS_E3'WALL D12566 09/16/2003 0.67 Primary	WS_E3WALL D12549 09/12/2003 0.50 Primary	WS_E3WALL D12567 09/16/2003 0.67 Primary
Starting Depth	(feet)	0.67	0.67	0.50	0.67
Ending Depth	(feet)	0.67	0.67	0.50	0.67
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	6.8	2.4	9.8	3.8
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_E4WALL D12563 09/16/2003 0.67 Primary	WS_EFLOOR D12551 09/12/2003 1.00 Primary	WS_EFLOOR D12562 09/16/2003 1.00 Primary	WS_F-35WALL D12583 09/22/2003 0.67 Primary
Starting Depth	(feet)	0.67	1.00	1.00	0.67
Ending Depth	(feet)	0.67	1.00	1.00	0.67
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	4.8	3.2	3.7	12
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_F-40FLOOR D12584 09/22/2003 1.00 Primary	WS_F10WALL D12540 09/11/2003 0.50 Primary	WS_F2WALL D12544 09/11/2003 0.50 Primary	WS_F3FLOOR D12542 09/11/2003 1.00 Primary
Starting Depth	(feet)	1.00	0.50	0.50	1.00
Ending Depth	(feet)	1.00	0.50	0.50	1.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	4.1	20	8.4	4
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_F6WALL D12546 09/11/2003 0.50 Primary	WS_F7WALL D12541 09/11/2003 0.50 Primary	WS_F8WALL D12545 09/11/2003 0.50 Primary	WS_FFLOOR D12543 09/11/2003 1.00 Primary
Starting Depth	(feet)	0.50	0.50	0.50	1.00
Ending Depth	(feet)	0.50	0.50	0.50	1.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	7.1	12	11	5.9
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_G3WALL D12532 09/09/2003 0.50 Primary	WS_G4WALL D12533 09/09/2003 0.50 Primary	WS_GFLOOR D12531 09/09/2003 1.00 Primary	WS_LOC.13FLOO D12554 09/15/2003 1.00 Primary
Starting Depth	(feet)	0.50	0.50	1.00	1.00
Ending Depth	(feet)	0.50	0.50	1.00	1.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	3.5	3.5	1.8	11
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_LOC.14WALL D12552 09/15/2003 0.67 Primary	WS_LOC.25FLOO D12587 09/22/2003 1.00 Primary	WS_LOC.26FLOO D12568 09/17/2003 1.00 Primary	WS_LOC.26WAL D12570 09/17/2003 0.67 Primary
Starting Depth	(feet)		0.67	1.00	1.00	0.67
Ending Depth	(feet)		0.67	1.00	1.00	0.67
Aluminum	(mg/kg)					
Antimony	(mg/kg)					
Arsenic	(mg/kg)		7.9	6.3	2.9	3.7
Barium	(mg/kg)					
Beryllium	(mg/kg)					
Cadmium	(mg/kg)					
Calcium	(mg/kg)					
Chromium(total)	(mg/kg)					
Cobalt	(mg/kg)					
Copper	(mg/kg)					
Iron	(mg/kg)					
Lead	(mg/kg)					
Magnesium	(mg/kg)					
Manganese	(mg/kg)					
Mercury	(mg/kg)					
Nickel	(mg/kg)					
Potassium	(mg/kg)					
Selenium	(mg/kg)					
Silver	(mg/kg)					
Sodium	(mg/kg)					
Thallium	(mg/kg)					
Vanadium	(mg/kg)					
Zinc	(mg/kg)					

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_LOC.27FLOOR D12569 09/17/2003 1.00 Primary	WS_LOC.27WAL D12571 09/17/2003 0.67 Primary	WS_LOC.47WAL D12538 09/10/2003 0.50 Primary	WS_LOC.48WAL D12539 09/10/2003 0.50 Primary
Starting Depth	(feet)	1.00	0.67	0.50	0.50
Ending Depth	(feet)	1.00	0.67	0.50	0.50
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	5.4	4.7	16	9.5
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)				
Cobalt	(mg/kg)				
Copper	(mg/kg)				
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Surface Soil Metals Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	WS_LOC.51WALL D12553 09/15/2003 0.67 Primary	WS_LOC.6FLOO D12537 09/10/2003 1.00 Primary	WS_LOC.CFLOO D12555 09/15/2003 1.00 Primary
Starting Depth	(feet)	0.67	1.00	1.00
Ending Depth	(feet)	0.67	1.00	1.00
Aluminum	(mg/kg)			
Antimony	(mg/kg)			
Arsenic	(mg/kg)	9.3	5.1	2.8
Barium	(mg/kg)			
Beryllium	(mg/kg)			
Cadmium	(mg/kg)			
Calcium	(mg/kg)			
Chromium(total)	(mg/kg)			
Cobalt	(mg/kg)			
Copper	(mg/kg)			
Iron	(mg/kg)			
Lead	(mg/kg)			
Magnesium	(mg/kg)			
Manganese	(mg/kg)			
Mercury	(mg/kg)			
Nickel	(mg/kg)			
Potassium	(mg/kg)			
Selenium	(mg/kg)			
Silver	(mg/kg)			
Sodium	(mg/kg)			
Thallium	(mg/kg)			
Vanadium	(mg/kg)			
Zinc	(mg/kg)			

Appendix D
Surface Soil Dioxin/Furan Results

Surface Soil Dioxin/Furan Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-001	SS-002	SS-003	SS-004
		SAMPLE ID	D03482	D03484	D03485	D03486
		DATE	11/11/2002	11/11/2002	11/11/2002	11/11/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
2,3,7,8-TCDD	(ng/kg)		0.23U	1.24U	8.68*	1.68
1,2,3,7,8-PeCDD	(ng/kg)		27.5	16.2	233	47.3
1,2,3,4,7,8-HxCDD	(ng/kg)		160	49.7	674	156
1,2,3,6,7,8-HxCDD	(ng/kg)		1610	177	3480	516
1,2,3,7,8,9-HxCDD	(ng/kg)		614	131	1700	385
1,2,3,4,6,7,8-HpCDD	(ng/kg)		47500	3850	94500	7980
OCDD	(ng/kg)		475000J	31300J	1.33E+06J	85600
2,3,7,8-TCDF	(ng/kg)		1.76	0.701U*	9.7U	0.843J
1,2,3,7,8-PeCDF	(ng/kg)		5.79	1	27.9	4.92
2,3,4,7,8-PeCDF	(ng/kg)		5.91	2.12	31.2	5.6
1,2,3,4,7,8-HxCDF	(ng/kg)		172	68	761	85.2
1,2,3,6,7,8-HxCDF	(ng/kg)		106J	189J	1060	96.8J
2,3,4,6,7,8-HxCDF	(ng/kg)		61.8J	1.19U	291	55.4J
1,2,3,7,8,9-HxCDF	(ng/kg)		21.7J	0.641U*	10.4*	1.89UJ
1,2,3,4,6,7,8-HpCDF	(ng/kg)		11300J	942J	11900	1310J
1,2,3,4,7,8,9-HpCDF	(ng/kg)		705J	147J	1560	342J
OCDF	(ng/kg)		71500	4760	38900J	5520
TCDDs (total)	(ng/kg)		23.2J	11.4J	5.79J	34.3J
PeCDDs (total)	(ng/kg)		139J	73J	551J	144J
HxCDDs (Total)	(ng/kg)		10000J	914J	13200J	2260J
HpCDDs (total)	(ng/kg)		181000J	8360J	179000J	17600J
TCDFs (total)	(ng/kg)		101JEB	141JEB	1640J	132JEB
PeCDFs (total)	(ng/kg)		482J	1030J	4430J	413J
HxCDFs (total)	(ng/kg)		18300J	5220J	37000J	4070J
HpCDFs (total)	(ng/kg)		130000J	8850J	85000J	13400J
TEQ EMPC (ND=0) 1989	(ng/kg)		1400J	160J	3400J	340J
TEQ EMPC (ND=0) 1998	(ng/kg)		960J	130J	2300J	290J

Surface Soil Dioxin/Furan Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-005 D03488 11/11/2002 0.50 Primary	SS-006 D03489 11/11/2002 0.50 Primary	SS-007 D03490 11/11/2002 0.50 Primary	SS-008 D03491 11/11/2002 0.50 Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
2,3,7,8-TCDD	(ng/kg)		12.1J	2.81	0.573U*	0.743U
1,2,3,7,8-PeCDD	(ng/kg)		410	40.6	1.52U	5.54
1,2,3,4,7,8-HxCDD	(ng/kg)		1800	76.7	2.79U	13.3
1,2,3,6,7,8-HxCDD	(ng/kg)		15100	445	9.01	48.9
1,2,3,7,8,9-HxCDD	(ng/kg)		6950	239	6.22	32.8
1,2,3,4,6,7,8-HpCDD	(ng/kg)		683000J	11700	719	1660
OCDD	(ng/kg)		4.13E+06J	109000J	8880J	15400
2,3,7,8-TCDF	(ng/kg)		11.6U*	1.81	0.896U*	0.749J
1,2,3,7,8-PeCDF	(ng/kg)		54.1	8.43	0.834J	2.88
2,3,4,7,8-PeCDF	(ng/kg)		52.7	0.579U*	0.854U	2.58
1,2,3,4,7,8-HxCDF	(ng/kg)		2190	137	3.59	20.1
1,2,3,6,7,8-HxCDF	(ng/kg)		981	375J	2.05UJ	15.5J
2,3,4,6,7,8-HxCDF	(ng/kg)		779	71.8J	1.98U	10.1J
1,2,3,7,8,9-HxCDF	(ng/kg)		36.9J	2.34UJ	2.3U	0.637U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)		61900	1720J	54.2	292
1,2,3,4,7,8,9-HpCDF	(ng/kg)		9950	252J	7.74J	39.3J
OCDF	(ng/kg)		290000	4370	339	868
TCDDs (total)	(ng/kg)		12.1J	32.5J	1.22J	5.31J
PeCDDs (total)	(ng/kg)		1030J	125J	1.52UJ	19.3J
HxCDDs (Total)	(ng/kg)		58600J	2040J	40J	242J
HpCDDs (total)	(ng/kg)		1.12E+06J	21300J	1100J	2800J
TCDFs (total)	(ng/kg)		2340J	581JEB	9.61JEB	28.2JEB
PeCDFs (total)	(ng/kg)		2890J	2390J	10.6J	72J
HxCDFs (total)	(ng/kg)		85200J	7030J	42.5J	461J
HpCDFs (total)	(ng/kg)		506000J	8150J	248J	1250J
TEQ EMPC (ND=0) 1989	(ng/kg)		15000J	410J	19J	54J
TEQ EMPC (ND=0) 1998	(ng/kg)		11000J	330J	11J	43J

Surface Soil Dioxin/Furan Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-009	SS-010	SS-011	SS-012
		SAMPLE ID	D03493	D03494	D03495	D03496
		DATE	11/11/2002	11/11/2002	11/12/2002	11/12/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
2,3,7,8-TCDD	(ng/kg)		0.205U*	0.899U*	0.093U*	0.434U*
1,2,3,7,8-PeCDD	(ng/kg)		0.774U*	4.04	0.498U*	5.1
1,2,3,4,7,8-HxCDD	(ng/kg)		2.21U	8.39	0.837U*	7.5
1,2,3,6,7,8-HxCDD	(ng/kg)		5.88	29.8	2.34U	23.7
1,2,3,7,8,9-HxCDD	(ng/kg)		3.91U	17.2	1.75U*	16.8
1,2,3,4,6,7,8-HpCDD	(ng/kg)		142	824	65.9	547
OCDD	(ng/kg)		1390	7330J	531	3810J
2,3,7,8-TCDF	(ng/kg)		0.377U*	0.936J	0.193U*	0.712U
1,2,3,7,8-PeCDF	(ng/kg)		0.466U	2.21	0.241U*	2.02
2,3,4,7,8-PeCDF	(ng/kg)		0.27U*	2.29	0.268U*	2.5
1,2,3,4,7,8-HxCDF	(ng/kg)		1.28U*	14.8	1.69U*	15.4
1,2,3,6,7,8-HxCDF	(ng/kg)		3.95J	15.9J	4.76J	20.2J
2,3,4,6,7,8-HxCDF	(ng/kg)		1.16UJ	6.77J	0.93U	4.74J
1,2,3,7,8,9-HxCDF	(ng/kg)		0.142U*	0.236U*	1.06U	0.542UJ
1,2,3,4,6,7,8-HpCDF	(ng/kg)		25.3	189	24.4	124
1,2,3,4,7,8,9-HpCDF	(ng/kg)		1.58UJ	19.1J	2.33UJ	16J
OCDF	(ng/kg)		84.1	597	79.1	262
TCDDs (total)	(ng/kg)		0.375J	6.56J	0.093UJ	0.532J
PeCDDs (total)	(ng/kg)		0.774UJ	16.9J	0.498UJ*	10.1J
HxCDDs (Total)	(ng/kg)		23.7J	142J	7.93J	106J
HpCDDs (total)	(ng/kg)		234J	1370J	112J	853J
TCDFs (total)	(ng/kg)		8.4JEB	45.5JEB	6.38JEB	33.1JEB
PeCDFs (total)	(ng/kg)		25.7J	83J	24.7J	119J
HxCDFs (total)	(ng/kg)		81J	322J	68.1J	403J
HpCDFs (total)	(ng/kg)		95.5J	722J	84.6J	456J
TEQ EMPC (ND=0) 1989	(ng/kg)		4.1J	31J	2J	24J
TEQ EMPC (ND=0) 1998	(ng/kg)		2.8J	26J	1.4J	22J

Surface Soil Dioxin/Furan Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-013	SS-014	SS-015	SS-016
		SAMPLE ID	D03498	D03499	D03500	D03501
		DATE	11/12/2002	11/12/2002	11/12/2002	11/12/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
2,3,7,8-TCDD	(ng/kg)		0.235U	0.196U*	0.628U*	6.18
1,2,3,7,8-PeCDD	(ng/kg)		1.05U	0.668U	5.22	50.4
1,2,3,4,7,8-HxCDD	(ng/kg)		2.33U	1.27U*	11.3	104
1,2,3,6,7,8-HxCDD	(ng/kg)		7.81	2.55U	75.5	884
1,2,3,7,8,9-HxCDD	(ng/kg)		5.81	2.53U	29.4	383
1,2,3,4,6,7,8-HpCDD	(ng/kg)		285	70.3	1760	35000
OCDD	(ng/kg)		3120J	572	12900	304000J
2,3,7,8-TCDF	(ng/kg)		0.21U*	0.424U*	0.678J	1.71J
1,2,3,7,8-PeCDF	(ng/kg)		0.363U*	0.338U*	2.73	13.9
2,3,4,7,8-PeCDF	(ng/kg)		0.395U*	0.612U	2.27	12.7
1,2,3,4,7,8-HxCDF	(ng/kg)		4.38	2.03U*	63.5	304
1,2,3,6,7,8-HxCDF	(ng/kg)		16.7J	3.46UJ	61.8J	193J
2,3,4,6,7,8-HxCDF	(ng/kg)		3.12UJ	1.19U*	19.2J	108J
1,2,3,7,8,9-HxCDF	(ng/kg)		0.163U*	0.159U*	1.36UJ	2.82UJ
1,2,3,4,6,7,8-HpCDF	(ng/kg)		85.8	22.2	1040	7460
1,2,3,4,7,8,9-HpCDF	(ng/kg)		10.8J	2.66UJ	163J	855J
OCDF	(ng/kg)		235	58.4	4230	44300
TCDDs (total)	(ng/kg)		0.511J	0.454J	53J	75.6J
PeCDDs (total)	(ng/kg)		1.71UJ	4.96J	50.3J	166J
HxCDDs (Total)	(ng/kg)		41.6J	19.9J	307J	4100J
HpCDDs (total)	(ng/kg)		502J	125J	3070J	60500J
TCDFs (total)	(ng/kg)		15.3JEB	13.9JEB	87.7JEB	67.8JEB
PeCDFs (total)	(ng/kg)		86.5J	29.8J	126J	523J
HxCDFs (total)	(ng/kg)		290J	57.7J	1660J	8340J
HpCDFs (total)	(ng/kg)		319J	76.1J	6260J	45300J
TEQ EMPC (ND=0) 1989	(ng/kg)		11J	1.6J	77J	1000J
TEQ EMPC (ND=0) 1998	(ng/kg)		7J	0.99J	64J	730J

Surface Soil Dioxin/Furan Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-016	SS-017	SS-018	SS-019
		SAMPLE ID	D03530	D03502	D03503	D03504
		DATE	11/12/2002	11/12/2002	11/12/2002	11/12/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
2,3,7,8-TCDD	(ng/kg)		7.17	0.636U	0.158U	0.208U
1,2,3,7,8-PeCDD	(ng/kg)		61.3	0.705U	3.85	2.2
1,2,3,4,7,8-HxCDD	(ng/kg)		116	2.01U	10.5	6
1,2,3,6,7,8-HxCDD	(ng/kg)		685	8.33	35.3	23.6
1,2,3,7,8,9-HxCDD	(ng/kg)		403	3.98U	23.6	14.3J
1,2,3,4,6,7,8-HpCDD	(ng/kg)		23200J	172	870	899J
OCDD	(ng/kg)		187000J	1230	6300J	9850J
2,3,7,8-TCDF	(ng/kg)		1.97	1.14	0.81U*	0.502U
1,2,3,7,8-PeCDF	(ng/kg)		12.5	0.87J	1.49	0.915J
2,3,4,7,8-PeCDF	(ng/kg)		15.4J	0.961U	1.27U	1.12U
1,2,3,4,7,8-HxCDF	(ng/kg)		352	1.63U	18.3	10.9
1,2,3,6,7,8-HxCDF	(ng/kg)		933J	1.76UJ	85.8J	59.9J
2,3,4,6,7,8-HxCDF	(ng/kg)		111	0.832UJ	9.16J	6J
1,2,3,7,8,9-HxCDF	(ng/kg)		3.2U	0.11U*	3.41UJ	0.208U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)		4470J	31.7	354	256
1,2,3,4,7,8,9-HpCDF	(ng/kg)		527	2.83UJ	38.3J	30.7J
OCDF	(ng/kg)		29200J	130	1250	1150J
TCDDs (total)	(ng/kg)		66.4J	1.09J	0.158UJ	0.301J
PeCDDs (total)	(ng/kg)		214J	2.4J	12.6J	3.97J
HxCDDs (Total)	(ng/kg)		3930J	35.7J	170J	101J
HpCDDs (total)	(ng/kg)		27200J	280J	1350J	1410J
TCDFs (total)	(ng/kg)		968J	7.82JEB	54.9JEB	43.6JEB
PeCDFs (total)	(ng/kg)		2530J	11.1J	320J	275J
HxCDFs (total)	(ng/kg)		16300J	35.1J	1160J	998J
HpCDFs (total)	(ng/kg)		9480J	116J	1490J	1230J
TEQ EMPC (ND=0) 1989	(ng/kg)		800J	4.4J	40J	36J
TEQ EMPC (ND=0) 1998	(ng/kg)		640J	3.2J	36J	27J

Surface Soil Dioxin/Furan Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SS-020	SS-030	SS-030	SS-031
		SAMPLE ID	D03506	D03651	D03652	D03653
		DATE	11/12/2002	11/19/2002	11/19/2002	11/19/2002
		DEPTH (ft)	0.50	0.50	0.50	0.50
		RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		1.00	1.00	1.00	1.00
2,3,7,8-TCDD	(ng/kg)		2.9J	0.937UJ	2.37J	1.62
1,2,3,7,8-PeCDD	(ng/kg)		14.5J	39.4J	36.6J	18.6J
1,2,3,4,7,8-HxCDD	(ng/kg)		24.1J	119	148	66J
1,2,3,6,7,8-HxCDD	(ng/kg)		93.3J	328	358	157J
1,2,3,7,8,9-HxCDD	(ng/kg)		73.3J	228	241	110J
1,2,3,4,6,7,8-HpCDD	(ng/kg)		1870J	8760	8600	5610
OCDD	(ng/kg)		21700J	60700J	60100J	37500J
2,3,7,8-TCDF	(ng/kg)		5.12J	2.25	2.44	2.22
1,2,3,7,8-PeCDF	(ng/kg)		5.7J	5.11	6.37	3.78
2,3,4,7,8-PeCDF	(ng/kg)		12.5J	6.74J	7.58J	7.27J
1,2,3,4,7,8-HxCDF	(ng/kg)		40.9J	78.2	82.1	51.8
1,2,3,6,7,8-HxCDF	(ng/kg)		26.5J	73	75.6	45.9
2,3,4,6,7,8-HxCDF	(ng/kg)		17.6J	49.7	50.3	33.9
1,2,3,7,8,9-HxCDF	(ng/kg)		3.72UJ	3.69U	2.19U	1.17U
1,2,3,4,6,7,8-HpCDF	(ng/kg)		559J	1720	1540	1220
1,2,3,4,7,8,9-HpCDF	(ng/kg)		54.5J	231	216	124
OCDF	(ng/kg)		1500J	8050	5960	4600
TCDDs (total)	(ng/kg)		26.5J	10.2J	15J	10.5J
PeCDDs (total)	(ng/kg)		78.3J	158J	157J	79.8J
HxCDDs (Total)	(ng/kg)		667J	1630J	1880J	852J
HpCDDs (total)	(ng/kg)		4300J	15400JEB	15300JEB	8730JEB
TCDFs (total)	(ng/kg)		122J	72.6J	69.7J	53.9J
PeCDFs (total)	(ng/kg)		188J	449JEB	450JEB	367JEB
HxCDFs (total)	(ng/kg)		649J	2950J	2910J	1660J
HpCDFs (total)	(ng/kg)		2060J	8410J	7620J	4680J
TEQ EMPC (ND=0) 1989	(ng/kg)		93J	290J	290J	170J
TEQ EMPC (ND=0) 1998	(ng/kg)		79J	240J	250J	140J

Surface Soil Dioxin/Furan Results

PERIOD: From 01/13/1989 thru 09/23/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SS-035 D03655 11/19/2002 0.50 Primary	SS-036 D03656 11/19/2002 0.50 Primary
Starting Depth	(feet)	0.00	0.00
Ending Depth	(feet)	1.00	1.00
2,3,7,8-TCDD	(ng/kg)	171	4.74
1,2,3,7,8-PeCDD	(ng/kg)	6.81J	13.6J
1,2,3,4,7,8-HxCDD	(ng/kg)	12	25.8
1,2,3,6,7,8-HxCDD	(ng/kg)	35.9	83.5
1,2,3,7,8,9-HxCDD	(ng/kg)	23.7	55.9
1,2,3,4,6,7,8-HpCDD	(ng/kg)	930	1470
OCDD	(ng/kg)	6240J	11100J
2,3,7,8-TCDF	(ng/kg)	2.44	1.45
1,2,3,7,8-PeCDF	(ng/kg)	2.44	3.9
2,3,4,7,8-PeCDF	(ng/kg)	2.29J	4.11J
1,2,3,4,7,8-HxCDF	(ng/kg)	12.5	30.9
1,2,3,6,7,8-HxCDF	(ng/kg)	7.44	26.7
2,3,4,6,7,8-HxCDF	(ng/kg)	4.58	12.7
1,2,3,7,8,9-HxCDF	(ng/kg)	3.09U	1.33U
1,2,3,4,6,7,8-HpCDF	(ng/kg)	149	556
1,2,3,4,7,8,9-HpCDF	(ng/kg)	22.4	51.3
OCDF	(ng/kg)	354	1450
TCDDs (total)	(ng/kg)	360J	23.7J
PeCDDs (total)	(ng/kg)	64.1J	105J
HxCDDs (Total)	(ng/kg)	328J	532J
HpCDDs (total)	(ng/kg)	2360JEB	2820JEB
TCDFs (total)	(ng/kg)	39.2J	92.1J
PeCDFs (total)	(ng/kg)	68.7JEB	172JEB
HxCDFs (total)	(ng/kg)	277J	771J
HpCDFs (total)	(ng/kg)	736J	1970J
TEQ EMPC (ND=0) 1989	(ng/kg)	200J	71J
TEQ EMPC (ND=0) 1998	(ng/kg)	200J	66J

Appendix E
Subsurface Soil VOC Results

Subsurface Soil VOC Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-001-88 B-1 01/27/1988 9.00 Primary	B-012-89 01/09/1989 11.00 Primary	B-013-89 01/09/1989 6.00 Primary	B-014-89 01/09/1989 6.00 Primary
Starting Depth	(feet)	8.00	10.00	5.00	5.00
Ending Depth	(feet)	10.00	12.00	7.00	7.00
Benzene	(ug/kg)		20U	20U	20U
Toluene	(ug/kg)		20U	23.82	20U
Xylenes (total)	(ug/kg)	1000	140	30U	30U

Subsurface Soil VOC Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-015-89 01/10/1989 6.00 Primary	B-016-89 01/10/1989 6.00 Primary	B-017-89 01/10/1989 6.00 Primary	MW-001 MW-1 01/27/1988 7.00 Primary
Starting Depth	(feet)		5.00	5.00	5.00	6.00
Ending Depth	(feet)		7.00	7.00	7.00	8.00
Benzene	(ug/kg)		20U	20U	20U	
Toluene	(ug/kg)		20U	39.84	20U	
Xylenes (total)	(ug/kg)		30U	30U	30U	120U

Subsurface Soil VOC Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	MW-002 MW-2 01/27/1988 7.00 Primary	MW-003 MW-3 01/27/1988 7.00 Primary	MW-004 MW-4 01/27/1988 9.00 Primary	MW-005A MW-5 01/27/1988 7.00 Primary
Starting Depth	(feet)		6.00	6.00	8.00	6.00
Ending Depth	(feet)		8.00	8.00	10.00	8.00
Benzene	(ug/kg)					
Toluene	(ug/kg)					
Xylenes (total)	(ug/kg)		8100	5500	120U	1100

Subsurface Soil VOC Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE / SAMPLE ID / DATE / DEPTH (ft) / RESULT TYPE	MW-006 / MW-6 / 01/27/1988 / 6.00 / Primary	MW-007A / MW-7 / 01/27/1988 / 9.00 / Primary	MW-008B / MW-8B / 01/10/1989 / 4.75 / Primary	MW-009B / MW-9B / 01/10/1989 / 9.00 / Primary
Starting Depth	(feet)	4.00	8.00	4.00	8.00
Ending Depth	(feet)	8.00	10.00	5.50	10.00
Benzene	(ug/kg)			20000U	20000U
Toluene	(ug/kg)			20000U	20000U
Xylenes (total)	(ug/kg)	2200	450	30U	30U

Subsurface Soil VOC Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	MW-012 01/17/1989 7.00 Primary	PW-001 01/09/1989 7.00 Primary
Starting Depth	(feet)		6.00	6.00
Ending Depth	(feet)		8.00	8.00
Benzene	(ug/kg)		109	20U
Toluene	(ug/kg)		100U	20U
Xylenes (total)	(ug/kg)		3500	30U

Appendix F
Subsurface Soil SVOC Results

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-001-88 B-1 01/27/1988 9.00 Primary	B-002-88 B-2 01/27/1988 9.00 Primary	B-003-88 B-3 01/27/1988 7.00 Primary	B-004-88 B-4 01/27/1988 7.00 Primary
Starting Depth	(feet)	8.00	8.00	6.00	6.00
Ending Depth	(feet)	10.00	10.00	8.00	8.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-001-88	B-002-88	B-003-88	B-004-88
	SAMPLE ID	B-1	B-2	B-3	B-4
	DATE	01/27/1988	01/27/1988	01/27/1988	01/27/1988
	DEPTH (ft)	9.00	9.00	7.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				
2,4-Dinitrophenol	(ug/kg)	100U	19500	1580	100U
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	100U	100U	100U	100U
Phenanthrene	(ug/kg)				
Anthracene	(ug/kg)				
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				
Pyrene	(ug/kg)				
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-001-88	B-002-88	B-003-88	B-004-88
	SAMPLE ID	B-1	B-2	B-3	B-4
	DATE	01/27/1988	01/27/1988	01/27/1988	01/27/1988
	DEPTH (ft)	9.00	9.00	7.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)				
Chrysene	(ug/kg)				
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)				
Benzo(k)fluoranthene	(ug/kg)				
Benzo(a)pyrene	(ug/kg)				
Indeno(1,2,3-cd)pyrene	(ug/kg)				
Dibenz(a,h) anthracene	(ug/kg)				
Benzo(g,h,i)perylene	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-005-88 B-5 01/27/1988 3.00 Primary	B-006-88 B-6 01/27/1988 7.00 Primary	B-007-88 B-7 01/27/1988 5.00 Primary	B-008-88 B-8 01/27/1988 7.00 Primary
Starting Depth	(feet)	2.00	6.00	4.00	6.00
Ending Depth	(feet)	4.00	8.00	6.00	8.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-005-88 B-5 01/27/1988 3.00 Primary	B-006-88 B-6 01/27/1988 7.00 Primary	B-007-88 B-7 01/27/1988 5.00 Primary	B-008-88 B-8 01/27/1988 7.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				
2,4-Dinitrophenol	(ug/kg)	3600	100U	310	251000
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	1400	490000	100U	343000
Phenanthrene	(ug/kg)				
Anthracene	(ug/kg)				
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				
Pyrene	(ug/kg)				
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-005-88	B-006-88	B-007-88	B-008-88
	SAMPLE ID	B-5	B-6	B-7	B-8
	DATE	01/27/1988	01/27/1988	01/27/1988	01/27/1988
	DEPTH (ft)	3.00	7.00	5.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)				
Chrysene	(ug/kg)				
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)				
Benzo(k)fluoranthene	(ug/kg)				
Benzo(a)pyrene	(ug/kg)				
Indeno(1,2,3-cd)pyrene	(ug/kg)				
Dibenz(a,h) anthracene	(ug/kg)				
Benzo(g,h,i)perylene	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-009-88	B-010-88	B-011-88	B-012-89
	SAMPLE ID	B-9	B-10	B-11	
	DATE	01/27/1988	01/27/1988	01/27/1988	01/09/1989
	DEPTH (ft)	3.00	7.00	8.00	11.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	6.00	7.00	10.00
Ending Depth	(feet)	4.00	8.00	9.00	12.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				50U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				1000
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-009-88	B-010-88	B-011-88	B-012-89
	SAMPLE ID	B-9	B-10	B-11	
	DATE	01/27/1988	01/27/1988	01/27/1988	01/09/1989
	DEPTH (ft)	3.00	7.00	8.00	11.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				
2,4-Dinitrophenol	(ug/kg)	500U	100U	97400	
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				793.5
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	1510	2760	220000	16900
Phenanthrene	(ug/kg)				
Anthracene	(ug/kg)				
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				
Pyrene	(ug/kg)				
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	B-009-88	B-010-88	B-011-88	B-012-89
		SAMPLE ID	B-9	B-10	B-11	
		DATE	01/27/1988	01/27/1988	01/27/1988	01/09/1989
		DEPTH (ft)	3.00	7.00	8.00	11.00
		RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)					
Chrysene	(ug/kg)					
bis(2-Ethylhexyl) phthalate	(ug/kg)					
Di-n-octylphthalate	(ug/kg)					
Benzo(b)fluoranthene	(ug/kg)					
Benzo(k)fluoranthene	(ug/kg)					
Benzo(a)pyrene	(ug/kg)					
Indeno(1,2,3-cd)pyrene	(ug/kg)					
Dibenz(a,h) anthracene	(ug/kg)					
Benzo(g,h,i)perylene	(ug/kg)					

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-013-89 01/09/1989 6.00 Primary	B-014-89 01/09/1989 6.00 Primary	B-015-89 01/10/1989 6.00 Primary	B-016-89 01/10/1989 6.00 Primary
Starting Depth	(feet)	5.00	5.00	5.00	5.00
Ending Depth	(feet)	7.00	7.00	7.00	7.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)	300U	300U	250U	50U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	300U	300U	250U	50U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-013-89 01/09/1989 6.00 Primary	B-014-89 01/09/1989 6.00 Primary	B-015-89 01/10/1989 6.00 Primary	B-016-89 01/10/1989 6.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				
2,4-Dinitrophenol	(ug/kg)				
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)	6384.12	6035.2	10328.74	368.89
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	110500	111800	95000	100U
Phenanthrene	(ug/kg)				
Anthracene	(ug/kg)				
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				
Pyrene	(ug/kg)				
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-013-89 01/09/1989 6.00 Primary	B-014-89 01/09/1989 6.00 Primary	B-015-89 01/10/1989 6.00 Primary	B-016-89 01/10/1989 6.00 Primary
Benzo(a)anthracene	(ug/kg)				
Chrysene	(ug/kg)				
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)				
Benzo(k)fluoranthene	(ug/kg)				
Benzo(a)pyrene	(ug/kg)				
Indeno(1,2,3-cd)pyrene	(ug/kg)				
Dibenz(a,h) anthracene	(ug/kg)				
Benzo(g,h,i)perylene	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-017-89	GP-001	GP-002	GP-003
	SAMPLE ID				
	DATE	01/10/1989	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	6.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	5.00	2.00	2.00	2.00
Ending Depth	(feet)	7.00	4.00	4.00	4.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)		280U	260U	260U
2-Chlorophenol	(ug/kg)		280U	260U	260U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)		280U	260U	260U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)		280U	260U	260U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)		280U	260U	260U
2,4-Dimethylphenol	(ug/kg)	200	280U	260U	260U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	50U	280U	260U	260U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)		290U	270U	260U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)		280U	260U	260U
2-Methylnaphthalene	(ug/kg)		290U	270U	260U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)		280U	260U	260U
2,4,5-Trichlorophenol	(ug/kg)		280U	260U	260U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-017-89	GP-001	GP-002	GP-003
	SAMPLE ID				
	DATE	01/10/1989	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	6.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)		290U	270U	260U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)		290U	270U	260U
2,4-Dinitrophenol	(ug/kg)		280U	260U	260U
4-Nitrophenol	(ug/kg)		280U	260U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)	100U			
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)		290U	270U	260U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)		280U	260U	260U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	100U	280U	260U	260U
Phenanthrene	(ug/kg)		290U	270U	260U
Anthracene	(ug/kg)		290U	270U	260U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)		290U	270U	260U
Pyrene	(ug/kg)		290U	270U	260U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-017-89	GP-001	GP-002	GP-003
	SAMPLE ID				
	DATE	01/10/1989	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	6.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)		290U	270U	260U
Chrysene	(ug/kg)		290U	270U	260U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)		290U	270U	260U
Benzo(k)fluoranthene	(ug/kg)		290U	270U	260U
Benzo(a)pyrene	(ug/kg)		290U	270U	260U
Indeno(1,2,3-cd)pyrene	(ug/kg)		290U	270U	260U
Dibenz(a,h) anthracene	(ug/kg)		290U	270U	260U
Benzo(g,h,i)perylene	(ug/kg)		290U	270U	260U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-004 02/02/1999 3.00 Primary	GP-005 02/02/1999 3.00 Primary	GP-006 02/02/1999 3.00 Primary	GP-007 02/02/1999 3.00 Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	280U	280U	260U	270U
2-Chlorophenol	(ug/kg)	280U	280U	260U	270U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	280U	280U	260U	270U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	280U	280U	260U	270U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	280U	280U	260U	270U
2,4-Dimethylphenol	(ug/kg)	280U	280U	260U	270U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	280U	280U	260U	270U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	280U	280U	270U	280U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	280U	280U	260U	270U
2-Methylnaphthalene	(ug/kg)	280U	310	270U	280U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	280U	280U	260U	270U
2,4,5-Trichlorophenol	(ug/kg)	280U	280U	260U	270U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-004	GP-005	GP-006	GP-007
	SAMPLE ID				
	DATE	02/02/1999	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	3.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	280U	280U	270U	280U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	280U	280U	270U	280U
2,4-Dinitrophenol	(ug/kg)	280U	280U	260U	270U
4-Nitrophenol	(ug/kg)	280U	280U	260U	270U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	280U	280U	270U	280U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	280U	280U	260U	270U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	280U	280U	260U	270U
Phenanthrene	(ug/kg)	280U	550	270U	280U
Anthracene	(ug/kg)	280U	280U	270U	280U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	280U	770	270U	280U
Pyrene	(ug/kg)	280U	640	270U	280U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-004	GP-005	GP-006	GP-007
	SAMPLE ID				
	DATE	02/02/1999	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	3.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	280U	440	270U	280U
Chrysene	(ug/kg)	280U	470	270U	280U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	280U	570	270U	280U
Benzo(k)fluoranthene	(ug/kg)	280U	280U	270U	280U
Benzo(a)pyrene	(ug/kg)	280U	360	270U	280U
Indeno(1,2,3-cd)pyrene	(ug/kg)	280U	310	270U	280U
Dibenz(a,h) anthracene	(ug/kg)	280U	280U	270U	280U
Benzo(g,h,i)perylene	(ug/kg)	280U	280	270U	280U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-008 02/02/1999 3.00 Primary	GP-009 02/02/1999 3.00 Primary	GP-010 02/03/1999 3.00 Primary	GP-011 02/02/1999 3.00 Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	270U	270U	280U	260U
2-Chlorophenol	(ug/kg)	270U	270U	280U	260U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	270U	270U	280U	260U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	270U	270U	280U	260U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	270U	270U	280U	260U
2,4-Dimethylphenol	(ug/kg)	270U	270U	280U	260U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	270U	270U	280U	260U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	270U	270U	280U	260U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	270U	270U	280U	260U
2-Methylnaphthalene	(ug/kg)	270U	270U	280U	260U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	270U	270U	280U	260U
2,4,5-Trichlorophenol	(ug/kg)	270U	270U	280U	260U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-008	GP-009	GP-010	GP-011
	SAMPLE ID				
	DATE	02/02/1999	02/02/1999	02/03/1999	02/02/1999
	DEPTH (ft)	3.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	270U	270U	280U	260U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	270U	270U	280U	260U
2,4-Dinitrophenol	(ug/kg)	270U	270U	280U	260U
4-Nitrophenol	(ug/kg)	270U	270U	280U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	270U	270U	280U	260U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	270U	270U	280U	260U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	270U	270U	1300	260U
Phenanthrene	(ug/kg)	270U	270U	280U	260U
Anthracene	(ug/kg)	270U	270U	280U	260U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	270U	270U	280U	260U
Pyrene	(ug/kg)	270U	270U	280U	260U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-008	GP-009	GP-010.	GP-011
	SAMPLE ID				
	DATE	02/02/1999	02/02/1999	02/03/1999	02/02/1999
	DEPTH (ft)	3.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	270U	270U	280U	260U
Chrysene	(ug/kg)	270U	270U	280U	260U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	270U	270U	280U	260U
Benzo(k)fluoranthene	(ug/kg)	270U	270U	280U	260U
Benzo(a)pyrene	(ug/kg)	270U	270U	280U	260U
Indeno(1,2,3-cd)pyrene	(ug/kg)	270U	270U	280U	260U
Dibenz(a,h) anthracene	(ug/kg)	270U	270U	280U	260U
Benzo(g,h,i)perylene	(ug/kg)	270U	270U	280U	260U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-012	GP-013	GP-014	GP-015
	SAMPLE ID				
	DATE	02/03/1999	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	3.00	3.00	7.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	2.00	6.00	6.00
Ending Depth	(feet)	4.00	4.00	8.00	8.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	300U	310U	280U	270U
2-Chlorophenol	(ug/kg)	300U	310U	280U	270U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	300U	310U	280U	270U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	300U	310U	280U	270U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	300U	310U	280U	270U
2,4-Dimethylphenol	(ug/kg)	300U	310U	280U	270U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	300U	310U	280U	270U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	310U	10000	270U	270U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	300U	310U	280U	270U
2-Methylnaphthalene	(ug/kg)	310U	65000	270U	270U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	300U	310U	280U	270U
2,4,5-Trichlorophenol	(ug/kg)	300U	310U	280U	270U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-012 02/03/1999 3.00 Primary	GP-013 02/02/1999 3.00 Primary	GP-014 02/02/1999 7.00 Primary	GP-015 02/02/1999 7.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	310U	310U	270U	270U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	310U	2700	3100	270U
2,4-Dinitrophenol	(ug/kg)	300U	310U	280U	270U
4-Nitrophenol	(ug/kg)	300U	310U	280U	270U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	310U	3400	1800	270U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	300U	310U	280U	270U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	2200	1100000	22000	3600
Phenanthrene	(ug/kg)	310U	26000	1800	270U
Anthracene	(ug/kg)	310U	440	1200	270U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	310U	1300	5600	270U
Pyrene	(ug/kg)	310U	2300	6000	270U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-012	GP-013	GP-014	GP-015
	SAMPLE ID				
	DATE	02/03/1999	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	3.00	3.00	7.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	310U	310U	750	270U
Chrysene	(ug/kg)	310U	530	680	270U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	310U	350	370	270U
Benzo(k)fluoranthene	(ug/kg)	310U	310U	270U	270U
Benzo(a)pyrene	(ug/kg)	310U	310U	400	270U
Indeno(1,2,3-cd)pyrene	(ug/kg)	310U	310U	270U	270U
Dibenz(a,h) anthracene	(ug/kg)	310U	310U	270U	270U
Benzo(g,h,i)perylene	(ug/kg)	310U	310U	270U	270U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-016	GP-017	GP-018	GP-019
	SAMPLE ID				
	DATE	02/02/1999	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	7.00	7.00	7.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	6.00	6.00	6.00	6.00
Ending Depth	(feet)	8.00	8.00	8.00	8.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	270U	280U	270U	260U
2-Chlorophenol	(ug/kg)	270U	280U	270U	260U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	270U	280U	270U	260U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	270U	280U	270U	260U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	270U	280U	270U	260U
2,4-Dimethylphenol	(ug/kg)	270U	280U	270U	260U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	270U	280U	270U	260U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	270U	290U	270U	260U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	270U	280U	270U	260U
2-Methylnaphthalene	(ug/kg)	270U	290U	270U	260U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	270U	280U	270U	260U
2,4,5-Trichlorophenol	(ug/kg)	270U	280U	270U	260U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-016 02/02/1999 7.00 Primary	GP-017 02/02/1999 7.00 Primary	GP-018 02/02/1999 7.00 Primary	GP-019 02/02/1999 7.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	270U	290U	270U	260U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	270U	290U	270U	260U
2,4-Dinitrophenol	(ug/kg)	270U	280U	270U	260U
4-Nitrophenol	(ug/kg)	270U	280U	270U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	470	290U	270U	260U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	270U	280U	270U	260U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	11000	12000	330	260U
Phenanthrene	(ug/kg)	270U	290U	270U	260U
Anthracene	(ug/kg)	270U	290U	270U	260U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	2700	290U	270U	260U
Pyrene	(ug/kg)	5000	290U	270U	260U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-016	GP-017	GP-018	GP-019
	SAMPLE ID				
	DATE	02/02/1999	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	7.00	7.00	7.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	800	290U	270U	260U
Chrysene	(ug/kg)	760	290U	270U	260U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	510	290U	270U	260U
Benzo(k)fluoranthene	(ug/kg)	270U	290U	270U	260U
Benzo(a)pyrene	(ug/kg)	560	290U	270U	260U
Indeno(1,2,3-cd)pyrene	(ug/kg)	270U	290U	270U	260U
Dibenz(a,h) anthracene	(ug/kg)	270U	290U	270U	260U
Benzo(g,h,i)perylene	(ug/kg)	270U	290U	270U	260U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-020 02/04/1999 3.00 Primary	GP-021 02/04/1999 3.00 Primary	GP-022 02/04/1999 3.00 Primary	GP-023 02/04/1999 3.00 Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	270U	280U	260U	290U
2-Chlorophenol	(ug/kg)	270U	280U	260U	290U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	270U	280U	260U	290U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	270U	280U	260U	290U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	270U	280U	260U	290U
2,4-Dimethylphenol	(ug/kg)	270U	280U	260U	290U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	270U	280U	260U	290U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	260U	270U	250U	280U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	270U	280U	260U	290U
2-Methylnaphthalene	(ug/kg)	260U	270U	250U	280U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	270U	280U	260U	290U
2,4,5-Trichlorophenol	(ug/kg)	270U	280U	260U	290U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-020	GP-021	GP-022	GP-023
	SAMPLE ID				
	DATE	02/04/1999	02/04/1999	02/04/1999	02/04/1999
	DEPTH (ft)	3.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	260U	270U	250U	280U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	260U	270U	250U	280U
2,4-Dinitrophenol	(ug/kg)	270U	280U	260U	290U
4-Nitrophenol	(ug/kg)	270U	280U	260U	290U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	260U	270U	250U	280U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	270U	280U	260U	290U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	270U	2900	260U	290U
Phenanthrene	(ug/kg)	260U	270U	250U	280U
Anthracene	(ug/kg)	260U	270U	250U	280U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	260U	270U	250U	280U
Pyrene	(ug/kg)	260U	270U	250U	280U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-020	GP-021	GP-022	GP-023
	SAMPLE ID				
	DATE	02/04/1999	02/04/1999	02/04/1999	02/04/1999
	DEPTH (ft)	3.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	260U	270U	250U	280U
Chrysene	(ug/kg)	260U	270U	250U	280U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	260U	270U	250U	280U
Benzo(k)fluoranthene	(ug/kg)	260U	270U	250U	280U
Benzo(a)pyrene	(ug/kg)	260U	270U	250U	280U
Indeno(1,2,3-cd)pyrene	(ug/kg)	260U	270U	250U	280U
Dibenz(a,h) anthracene	(ug/kg)	260U	270U	250U	280U
Benzo(g,h,i)perylene	(ug/kg)	260U	270U	250U	280U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-024 02/03/1999 3.00 Primary	GP-025 02/03/1999 3.00 Primary	GP-025 02/03/1999 7.00 Primary	GP-026 02/04/1999 3.00 Primary
Starting Depth	(feet)	2.00	2.00	6.00	2.00
Ending Depth	(feet)	4.00	4.00	8.00	4.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	260U	270U	260U	290U
2-Chlorophenol	(ug/kg)	260U	270U	260U	290U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	260U	270U	260U	290U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	260U	270U	260U	290U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	260U	270U	260U	290U
2,4-Dimethylphenol	(ug/kg)	260U	270U	260U	290U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	260U	270U	260U	290U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	270U	270U	260U	
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	260U	270U	260U	290U
2-Methylnaphthalene	(ug/kg)	270U	270U	260U	
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	260U	270U	260U	290U
2,4,5-Trichlorophenol	(ug/kg)	260U	270U	260U	290U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-024 02/03/1999 3.00 Primary	GP-025 02/03/1999 3.00 Primary	GP-025 02/03/1999 7.00 Primary	GP-026 02/04/1999 3.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	270U	270U	260U	
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	270U	270U	260U	
2,4-Dinitrophenol	(ug/kg)	260U	270U	260U	290U
4-Nitrophenol	(ug/kg)	260U	270U	260U	290U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	270U	270U	330	
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	260U	270U	260U	290U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	3300	16000	260000	290U
Phenanthrene	(ug/kg)	270U	270U	410	
Anthracene	(ug/kg)	270U	270U	260U	
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	270U	270U	260U	
Pyrene	(ug/kg)	270U	270U	800	
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-024	GP-025	GP-025	GP-026
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/04/1999
	DEPTH (ft)	3.00	3.00	7.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	270U	270U	260U	
Chrysene	(ug/kg)	270U	270U	260U	
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	270U	270U	260U	
Benzo(k)fluoranthene	(ug/kg)	270U	270U	260U	
Benzo(a)pyrene	(ug/kg)	270U	270U	260U	
Indeno(1,2,3-cd)pyrene	(ug/kg)	270U	270U	260U	
Dibenz(a,h) anthracene	(ug/kg)	270U	270U	260U	
Benzo(g,h,i)perylene	(ug/kg)	270U	270U	260U	

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-026 02/04/1999 5.00 Primary	GP-027 02/03/1999 3.00 Primary	GP-028 02/03/1999 3.00 Primary	GP-028 02/03/1999 7.00 Primary
Starting Depth	(feet)	4.00	2.00	2.00	6.00
Ending Depth	(feet)	6.00	4.00	4.00	8.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)		260U	280U	250U
2-Chlorophenol	(ug/kg)		260U	280U	250U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)		260U	280U	250U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)		260U	280U	250U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)		260U	280U	250U
2,4-Dimethylphenol	(ug/kg)		260U	280U	250U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)		260U	280U	250U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	290U	270U	280U	970
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)		260U	280U	250U
2-Methylnaphthalene	(ug/kg)	290U	270U	280U	3500
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)		260U	280U	13000U
2,4,5-Trichlorophenol	(ug/kg)		260U	280U	13000U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-026	GP-027	GP-028	GP-028
	SAMPLE ID				
	DATE	02/04/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	5.00	3.00	3.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	290U	270U	280U	250U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	290U	270U	280U	1100
2,4-Dinitrophenol	(ug/kg)		260U	280U	13000U
4-Nitrophenol	(ug/kg)		260U	280U	13000U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	290U	270U	280U	1600
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)		260U	280U	250U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)		1100	280U	710000
Phenanthrene	(ug/kg)	290U	270U	280U	1700
Anthracene	(ug/kg)	290U	270U	280U	890
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	290U	270U	280U	500
Pyrene	(ug/kg)	290U	270U	280U	1300
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-026	GP-027	GP-028	GP-028
	SAMPLE ID				
	DATE	02/04/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	5.00	3.00	3.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	290U	270U	280U	250U
Chrysene	(ug/kg)	290U	270U	280U	250U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	290U	270U	280U	250U
Benzo(k)fluoranthene	(ug/kg)	290U	270U	280U	250U
Benzo(a)pyrene	(ug/kg)	290U	270U	280U	250U
Indeno(1,2,3-cd)pyrene	(ug/kg)	290U	270U	280U	250U
Dibenz(a,h) anthracene	(ug/kg)	290U	270U	280U	250U
Benzo(g,h,i)perylene	(ug/kg)	290U	270U	280U	250U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-029	GP-029	GP-030	GP-030
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	3.00	7.00	3.00	4.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	6.00	2.00	4.00
Ending Depth	(feet)	4.00	8.00	4.00	5.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	260U	270U	260U	260U
2-Chlorophenol	(ug/kg)	260U	270U	260U	260U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	260U	270U	260U	260U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	260U	270U	260U	260U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	260U	270U	260U	260U
2,4-Dimethylphenol	(ug/kg)	260U	270U	260U	260U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	260U	270U	260U	260U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	250U	270U	260U	260U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	260U	270U	260U	260U
2-Methylnaphthalene	(ug/kg)	250U	270U	260U	260U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	260U	270U	260U	260U
2,4,5-Trichlorophenol	(ug/kg)	260U	270U	260U	260U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-029	GP-029	GP-030	GP-030
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	3.00	7.00	3.00	4.50
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	250U	270U	260U	260U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	250U	270U	260U	260U
2,4-Dinitrophenol	(ug/kg)	260U	270U	260U	260U
4-Nitrophenol	(ug/kg)	260U	270U	260U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	250U	280	260U	260U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	260U	270U	260U	260U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	260U	43000	1100	850
Phenanthrene	(ug/kg)	250U	270U	260U	260U
Anthracene	(ug/kg)	250U	270U	260U	260U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	250U	270U	260U	260U
Pyrene	(ug/kg)	250U	300	260U	260U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-029	GP-029	GP-030	GP-030
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	3.00	7.00	3.00	4.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	250U	270U	260U	260U
Chrysene	(ug/kg)	250U	270U	260U	260U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	250U	270U	260U	260U
Benzo(k)fluoranthene	(ug/kg)	250U	270U	260U	260U
Benzo(a)pyrene	(ug/kg)	250U	270U	260U	260U
Indeno(1,2,3-cd)pyrene	(ug/kg)	250U	270U	260U	260U
Dibenz(a,h) anthracene	(ug/kg)	250U	270U	260U	260U
Benzo(g,h,i)perylene	(ug/kg)	250U	270U	260U	260U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-031	GP-032	GP-032	GP-033
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	3.00	3.00	5.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	2.00	4.00	2.00
Ending Depth	(feet)	4.00	4.00	6.00	4.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	260U	270U	270U	270U
2-Chlorophenol	(ug/kg)	260U	270U	270U	270U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	260U	270U	270U	270U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	260U	270U	270U	270U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	260U	270U	270U	270U
2,4-Dimethylphenol	(ug/kg)	260U	270U	270U	270U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	260U	270U	270U	270U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	260U	270U	270U	270U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	260U	270U	270U	270U
2-Methylnaphthalene	(ug/kg)	260U	270U	270U	270U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	260U	270U	270U	270U
2,4,5-Trichlorophenol	(ug/kg)	260U	270U	270U	270U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-031 02/03/1999 3.00 Primary	GP-032 02/03/1999 3.00 Primary	GP-032 02/03/1999 5.00 Primary	GP-033 02/03/1999 3.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	260U	270U	270U	270U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	260U	270U	270U	270U
2,4-Dinitrophenol	(ug/kg)	260U	270U	270U	270U
4-Nitrophenol	(ug/kg)	260U	270U	270U	270U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	260U	270U	270U	270U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	260U	270U	270U	270U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	260U	270U	1000	270U
Phenanthrene	(ug/kg)	260U	270U	270U	270U
Anthracene	(ug/kg)	260U	270U	270U	270U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	260U	270U	270U	270U
Pyrene	(ug/kg)	260U	270U	270U	270U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-031 02/03/1999 3.00 Primary	GP-032 02/03/1999 3.00 Primary	GP-032 02/03/1999 5.00 Primary	GP-033 02/03/1999 3.00 Primary
Benzo(a)anthracene	(ug/kg)	260U	270U	270U	270U
Chrysene	(ug/kg)	260U	270U	270U	270U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	260U	270U	270U	270U
Benzo(k)fluoranthene	(ug/kg)	260U	270U	270U	270U
Benzo(a)pyrene	(ug/kg)	260U	270U	270U	270U
Indeno(1,2,3-cd)pyrene	(ug/kg)	260U	270U	270U	270U
Dibenz(a,h) anthracene	(ug/kg)	260U	270U	270U	270U
Benzo(g,h,i)perylene	(ug/kg)	260U	270U	270U	270U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-033 02/03/1999 7.00 Primary	GP-034 02/03/1999 3.00 Primary	GP-034 02/03/1999 7.00 Primary	GP-035 02/03/1999 3.00 Primary
Starting Depth	(feet)	6.00	2.00	6.00	2.00
Ending Depth	(feet)	8.00	4.00	8.00	4.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	290U	260U	280U	290U
2-Chlorophenol	(ug/kg)	290U	260U	280U	290U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	290U	260U	280U	290U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	290U	260U	280U	290U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	290U	260U	280U	290U
2,4-Dimethylphenol	(ug/kg)	290U	260U	280U	290U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	290U	260U	280U	290U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	290U	260U	280U	280U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	290U	260U	280U	290U
2-Methylnaphthalene	(ug/kg)	290U	260U	280U	280U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	290U	260U	280U	290U
2,4,5-Trichlorophenol	(ug/kg)	290U	260U	280U	290U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-033	GP-034	GP-034	GP-035
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	7.00	3.00	7.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	290U	260U	280U	280U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	290U	260U	280U	280U
2,4-Dinitrophenol	(ug/kg)	290U	260U	280U	290U
4-Nitrophenol	(ug/kg)	290U	260U	280U	290U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	290U	260U	280U	280U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	290U	260U	280U	290U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	290U	260U	33000	290U
Phenanthrene	(ug/kg)	290U	260U	280U	280U
Anthracene	(ug/kg)	290U	260U	280U	280U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	290U	260U	280U	280U
Pyrene	(ug/kg)	290U	260U	280U	280U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-033 02/03/1999 7.00 Primary	GP-034 02/03/1999 3.00 Primary	GP-034 02/03/1999 7.00 Primary	GP-035 02/03/1999 3.00 Primary
Benzo(a)anthracene	(ug/kg)	290U	260U	280U	280U
Chrysene	(ug/kg)	290U	260U	280U	280U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	290U	260U	280U	280U
Benzo(k)fluoranthene	(ug/kg)	290U	260U	280U	280U
Benzo(a)pyrene	(ug/kg)	290U	260U	280U	280U
Indeno(1,2,3-cd)pyrene	(ug/kg)	290U	260U	280U	280U
Dibenz(a,h) anthracene	(ug/kg)	290U	260U	280U	280U
Benzo(g,h,i)perylene	(ug/kg)	290U	260U	280U	280U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-036	GP-037	GP-037	GP-038
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	3.00	3.00	7.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	2.00	6.00	2.00
Ending Depth	(feet)	4.00	4.00	8.00	4.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	260U	270U	260U	280U
2-Chlorophenol	(ug/kg)	260U	270U	260U	280U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	260U	270U	260U	280U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	260U	270U	260U	280U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	260U	270U	260U	280U
2,4-Dimethylphenol	(ug/kg)	260U	270U	260U	280U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	260U	270U	260U	280U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	250U	280U	260U	280U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	260U	270U	260U	280U
2-Methylnaphthalene	(ug/kg)	250U	280U	260U	280U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	260U	270U	260U	280U
2,4,5-Trichlorophenol	(ug/kg)	260U	270U	260U	280U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-036 02/03/1999 3.00 Primary	GP-037 02/03/1999 3.00 Primary	GP-037 02/03/1999 7.00 Primary	GP-038 02/03/1999 3.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	250U	280U	260U	280U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	250U	280U	260U	280U
2,4-Dinitrophenol	(ug/kg)	260U	270U	260U	280U
4-Nitrophenol	(ug/kg)	260U	270U	260U	280U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	250U	280U	260U	280U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	260U	270U	260U	280U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	260U	270U	260U	280U
Phenanthrene	(ug/kg)	250U	280U	260U	280U
Anthracene	(ug/kg)	250U	280U	260U	280U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	250U	280U	260U	280U
Pyrene	(ug/kg)	250U	280U	260U	280U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-036	GP-037	GP-037	GP-038
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	3.00	3.00	7.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	250U	280U	260U	280U
Chrysene	(ug/kg)	250U	280U	260U	280U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	250U	280U	260U	280U
Benzo(k)fluoranthene	(ug/kg)	250U	280U	260U	280U
Benzo(a)pyrene	(ug/kg)	250U	280U	260U	280U
Indeno(1,2,3-cd)pyrene	(ug/kg)	250U	280U	260U	280U
Dibenz(a,h) anthracene	(ug/kg)	250U	280U	260U	280U
Benzo(g,h,i)perylene	(ug/kg)	250U	280U	260U	280U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-039 02/03/1999 3.00 Primary	GP-040 02/03/1999 3.00 Primary	GP-042 02/10/1999 1.50 Primary	GP-042 02/10/1999 5.00 Primary
Starting Depth	(feet)	2.00	2.00	1.00	4.00
Ending Depth	(feet)	4.00	4.00	2.00	6.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	290U	260U	260U	260U
2-Chlorophenol	(ug/kg)	290U	260U	260U	260U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	290U	260U	260U	260U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	290U	260U	260U	260U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	290U	260U	260U	260U
2,4-Dimethylphenol	(ug/kg)	290U	260U	260U	260U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	290U	260U	260U	260U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	280U	260U	260U	260U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	290U	260U	260U	260U
2-Methylnaphthalene	(ug/kg)	280U	260U	260U	260U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	290U	260U	260U	260U
2,4,5-Trichlorophenol	(ug/kg)	290U	260U	260U	260U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-039 02/03/1999 3.00 Primary	GP-040 02/03/1999 3.00 Primary	GP-042 02/10/1999 1.50 Primary	GP-042 02/10/1999 5.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	280U	260U	260U	260U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	280U	260U	260U	260U
2,4-Dinitrophenol	(ug/kg)	290U	260U	260U	260U
4-Nitrophenol	(ug/kg)	290U	260U	260U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	280U	260U	260U	260U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	290U	260U	260U	260U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	290U	260U	260U	140000
Phenanthrene	(ug/kg)	280U	260U	260U	260U
Anthracene	(ug/kg)	280U	260U	260U	260U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	280U	260U	260U	260U
Pyrene	(ug/kg)	280U	260U	260U	490
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-039	GP-040	GP-042	GP-042
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/10/1999	02/10/1999
	DEPTH (ft)	3.00	3.00	1.50	5.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	280U	260U	260U	260U
Chrysene	(ug/kg)	280U	260U	260U	260U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	280U	260U	260U	260U
Benzo(k)fluoranthene	(ug/kg)	280U	260U	260U	260U
Benzo(a)pyrene	(ug/kg)	280U	260U	260U	260U
Indeno(1,2,3-cd)pyrene	(ug/kg)	280U	260U	260U	260U
Dibenz(a,h) anthracene	(ug/kg)	280U	260U	260U	260U
Benzo(g,h,i)perylene	(ug/kg)	280U	260U	260U	260U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-043 02/10/1999 3.00 Primary	GP-043 02/10/1999 5.00 Primary	GP-044 02/10/1999 1.50 Primary	GP-044 02/10/1999 5.00 Primary
Starting Depth	(feet)	2.00	4.00	1.00	4.00
Ending Depth	(feet)	4.00	6.00	2.00	6.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	260U	260U	260U	260U
2-Chlorophenol	(ug/kg)	260U	260U	260U	260U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	260U	260U	260U	260U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	260U	260U	260U	260U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	260U	260U	260U	260U
2,4-Dimethylphenol	(ug/kg)	260U	260U	260U	260U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	260U	260U	260U	260U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	250U	260U	250U	260U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	260U	260U	260U	260U
2-Methylnaphthalene	(ug/kg)	250U	260U	250U	260U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	260U	260U	260U	260U
2,4,5-Trichlorophenol	(ug/kg)	260U	260U	260U	260U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-043 02/10/1999 3.00 Primary	GP-043 02/10/1999 5.00 Primary	GP-044 02/10/1999 1.50 Primary	GP-044 02/10/1999 5.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	250U	260U	250U	260U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	250U	260U	250U	260U
2,4-Dinitrophenol	(ug/kg)	260U	260U	260U	260U
4-Nitrophenol	(ug/kg)	260U	260U	260U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	250U	260U	250U	260U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	260U	260U	260U	260U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	270	850	260U	260U
Phenanthrene	(ug/kg)	250U	260U	250U	260U
Anthracene	(ug/kg)	250U	260U	250U	260U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	250U	260U	250U	260U
Pyrene	(ug/kg)	250U	260U	250U	260U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-043	GP-043	GP-044	GP-044
	SAMPLE ID				
	DATE	02/10/1999	02/10/1999	02/10/1999	02/10/1999
	DEPTH (ft)	3.00	5.00	1.50	5.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	250U	260U	250U	260U
Chrysene	(ug/kg)	250U	260U	250U	260U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	250U	260U	250U	260U
Benzo(k)fluoranthene	(ug/kg)	250U	260U	250U	260U
Benzo(a)pyrene	(ug/kg)	250U	260U	250U	260U
Indeno(1,2,3-cd)pyrene	(ug/kg)	250U	260U	250U	260U
Dibenz(a,h) anthracene	(ug/kg)	250U	260U	250U	260U
Benzo(g,h,i)perylene	(ug/kg)	250U	260U	250U	260U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	MW-001 MW-1 01/27/1988 7.00 Primary	MW-002 MW-2 01/27/1988 7.00 Primary	MW-003 MW-3 01/27/1988 7.00 Primary	MW-004 MW-4 01/27/1988 9.00 Primary
Starting Depth	(feet)	6.00	6.00	6.00	8.00
Ending Depth	(feet)	8.00	8.00	8.00	10.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)				
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	MW-001 MW-1 01/27/1988 7.00 Primary	MW-002 MW-2 01/27/1988 7.00 Primary	MW-003 MW-3 01/27/1988 7.00 Primary	MW-004 MW-4 01/27/1988 9.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				
2,4-Dinitrophenol	(ug/kg)	500U	55000	91000	500U
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	500U	130000	270000	880
Phenanthrene	(ug/kg)				
Anthracene	(ug/kg)				
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				
Pyrene	(ug/kg)				
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	MW-001	MW-002	MW-003	MW-004
	SAMPLE ID	MW-1	MW-2	MW-3	MW-4
	DATE	01/27/1988	01/27/1988	01/27/1988	01/27/1988
	DEPTH (ft)	7.00	7.00	7.00	9.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)				
Chrysene	(ug/kg)				
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)				
Benzo(k)fluoranthene	(ug/kg)				
Benzo(a)pyrene	(ug/kg)				
Indeno(1,2,3-cd)pyrene	(ug/kg)				
Dibenz(a,h) anthracene	(ug/kg)				
Benzo(g,h,i)perylene	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	MW-005A MW-5 01/27/1988 7.00 Primary	MW-006 MW-6 01/27/1988 6.00 Primary	MW-007A MW-7 01/27/1988 9.00 Primary	MW-008B MW-8B 01/10/1989 4.75 Primary
Starting Depth	(feet)	6.00	4.00	8.00	4.00
Ending Depth	(feet)	8.00	8.00	10.00	5.50
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				2800
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)			50000U	2300
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	MW-005A MW-5 01/27/1988 7.00 Primary	MW-006 MW-6 01/27/1988 6.00 Primary	MW-007A MW-7 01/27/1988 9.00 Primary	MW-008B MW-8B 01/10/1989 4.75 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				
2,4-Dinitrophenol	(ug/kg)	46000	39000	24000	
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)				11000
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	150000	310000	41000	100U
Phenanthrene	(ug/kg)				
Anthracene	(ug/kg)				
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				
Pyrene	(ug/kg)				
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	MW-005A	MW-006	MW-007A	MW-008B
	SAMPLE ID	MW-5	MW-6	MW-7	MW-8B
	DATE	01/27/1988	01/27/1988	01/27/1988	01/10/1989
	DEPTH (ft)	7.00	6.00	9.00	4.75
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)				
Chrysene	(ug/kg)				
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)				
Benzo(k)fluoranthene	(ug/kg)				
Benzo(a)pyrene	(ug/kg)				
Indeno(1,2,3-cd)pyrene	(ug/kg)				
Dibenz(a,h) anthracene	(ug/kg)				
Benzo(g,h,i)perylene	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	MW-009B	MW-012	PW-001	RCA-1
	SAMPLE ID	MW-9B			RCA-1
	DATE	01/10/1989	01/17/1989	01/09/1989	02/03/1999
	DEPTH (ft)	9.00	7.00	7.00	5.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	8.00	6.00	6.00	4.00
Ending Depth	(feet)	10.00	8.00	8.00	6.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				290U
2-Chlorophenol	(ug/kg)				290U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				290U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				290U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				290U
2,4-Dimethylphenol	(ug/kg)	50U	350	90	290U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	200	1100	250	290U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				270U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				290U
2-Methylnaphthalene	(ug/kg)				270U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				290U
2,4,5-Trichlorophenol	(ug/kg)				290U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	MW-009B	MW-012	PW-001	RCA-1
	SAMPLE ID	MW-9B			RCA-1
	DATE	01/10/1989	01/17/1989	01/09/1989	02/03/1999
	DEPTH (ft)	9.00	7.00	7.00	5.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				270U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				270U
2,4-Dinitrophenol	(ug/kg)				290U
4-Nitrophenol	(ug/kg)				290U
2,3,5,6-Tetrachlorophenol	(ug/kg)	1300	4079.92	100U	
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				270U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				290U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	100U	100U	190	890
Phenanthrene	(ug/kg)				270U
Anthracene	(ug/kg)				270U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				270U
Pyrene	(ug/kg)				270U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	MW-009B	MW-012	PW-001	RCA-1
	SAMPLE ID	MW-9B			RCA-1
	DATE	01/10/1989	01/17/1989	01/09/1989	02/03/1999
	DEPTH (ft)	9.00	7.00	7.00	5.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)				270U
Chrysene	(ug/kg)				270U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)				270U
Benzo(k)fluoranthene	(ug/kg)				270U
Benzo(a)pyrene	(ug/kg)				270U
Indeno(1,2,3-cd)pyrene	(ug/kg)				270U
Dibenz(a,h) anthracene	(ug/kg)				270U
Benzo(g,h,i)perylene	(ug/kg)				270U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCA-2 RCA-2 02/05/1999 5.00 Primary	RCA-3 RCA-3 02/04/1999 11.00 Primary	RCA-5 RCA-5 02/05/1999 5.00 Primary	RCA-6 RCA-6 02/05/1999 5.00 Primary
Starting Depth	(feet)	4.00	10.00	4.00	4.00
Ending Depth	(feet)	6.00	12.00	6.00	6.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	300U	270U	280U	260U
2-Chlorophenol	(ug/kg)	300U	270U	280U	260U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	300U	270U	280U	260U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	300U	270U	280U	260U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	300U	270U	280U	260U
2,4-Dimethylphenol	(ug/kg)	300U	270U	280U	260U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	300U	270U	280U	260U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	300U	280U	270U	260U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	300U	270U	280U	260U
2-Methylnaphthalene	(ug/kg)	300U	280U	250U	260U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	300U	270U	280U	260U
2,4,5-Trichlorophenol	(ug/kg)	300U	270U	280U	260U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RCA-2	RCA-3	RCA-5	RCA-6
	SAMPLE ID	RCA-2	RCA-3	RCA-5	RCA-6
	DATE	02/05/1999	02/04/1999	02/05/1999	02/05/1999
	DEPTH (ft)	5.00	11.00	5.00	5.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	300U	280U	250U	260U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	300U	280U	250U	260U
2,4-Dinitrophenol	(ug/kg)	300U	270U	280U	260U
4-Nitrophenol	(ug/kg)	300U	270U	280U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	300U	280U	250U	260U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	300U	270U	280U	260U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	300U	270U	280U	260U
Phenanthrene	(ug/kg)	300U	280U	250U	260U
Anthracene	(ug/kg)	300U	280U	250U	260U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	300U	280U	250U	260U
Pyrene	(ug/kg)	300U	280U	250U	260U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCA-2 RCA-2 02/05/1999 5.00 Primary	RCA-3 RCA-3 02/04/1999 11.00 Primary	RCA-5 RCA-5 02/05/1999 5.00 Primary	RCA-6 RCA-6 02/05/1999 5.00 Primary
Benzo(a)anthracene	(ug/kg)	300U	280U	250U	260U
Chrysene	(ug/kg)	300U	280U	250U	260U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	300U	280U	250U	260U
Benzo(k)fluoranthene	(ug/kg)	300U	280U	250U	260U
Benzo(a)pyrene	(ug/kg)	300U	280U	250U	260U
Indeno(1,2,3-cd)pyrene	(ug/kg)	300U	280U	250U	260U
Dibenz(a,h) anthracene	(ug/kg)	300U	280U	250U	260U
Benzo(g,h,i)perylene	(ug/kg)	300U	280U	250U	260U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RCA-7	RCA-8	RCSB-001	RCSB-002
	SAMPLE ID	RCA-7	RCA-8		
	DATE	02/04/1999	02/03/1999	03/18/1999	03/18/1999
	DEPTH (ft)	5.00	5.00	5.00	9.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	4.00	4.00	4.00	8.00
Ending Depth	(feet)	6.00	6.00	6.00	10.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	270U	280U	260U	260U
2-Chlorophenol	(ug/kg)	270U	280U	260U	260U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	270U	280U	260U	260U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	270U	280U	260U	260U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	270U	280U	260U	260U
2,4-Dimethylphenol	(ug/kg)	270U	280U	260U	260U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	270U	280U	260U	260U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	300U	280U	260U	250U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	270U	280U	260U	260U
2-Methylnaphthalene	(ug/kg)	300U	280U	260U	250U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	270U	280U	260U	260U
2,4,5-Trichlorophenol	(ug/kg)	270U	280U	260U	260U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RCA-7	RCA-8	RCSB-001	RCSB-002
	SAMPLE ID	RCA-7	RCA-8		
	DATE	02/04/1999	02/03/1999	03/18/1999	03/18/1999
	DEPTH (ft)	5.00	5.00	5.00	9.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	300U	280U	260U	250U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	300U	280U	260U	250U
2,4-Dinitrophenol	(ug/kg)	270U	280U	260U	260U
4-Nitrophenol	(ug/kg)	270U	280U	260U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	300U	280U	260U	250U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	270U	280U	260U	260U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	54000	280U	260U	260U
Phenanthrene	(ug/kg)	300U	280U	260U	280
Anthracene	(ug/kg)	300U	280U	260U	250U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	300U	280U	260U	250U
Pyrene	(ug/kg)	300U	280U	260U	250U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RCA-7	RCA-8	RCSB-001	RCSB-002
	SAMPLE ID	RCA-7	RCA-8		
	DATE	02/04/1999	02/03/1999	03/18/1999	03/18/1999
	DEPTH (ft)	5.00	5.00	5.00	9.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	300U	280U	260U	250U
Chrysene	(ug/kg)	300U	280U	260U	250U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	300U	280U	260U	250U
Benzo(k)fluoranthene	(ug/kg)	300U	280U	260U	250U
Benzo(a)pyrene	(ug/kg)	300U	280U	260U	250U
Indeno(1,2,3-cd)pyrene	(ug/kg)	300U	280U	260U	250U
Dibenz(a,h) anthracene	(ug/kg)	300U	280U	260U	250U
Benzo(g,h,i)perylene	(ug/kg)	300U	280U	260U	250U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-003 03/18/1999 7.00 Primary	RCSB-005 03/18/1999 7.00 Primary	RCSB-006 03/18/1999 7.00 Primary	RCSB-007 03/18/1999 7.00 Primary
Starting Depth	(feet)	6.00	6.00	6.00	6.00
Ending Depth	(feet)	8.00	8.00	8.00	8.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	260U	260U	250U	250U
2-Chlorophenol	(ug/kg)	260U	260U	250U	250U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	260U	260U	250U	250U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	260U	260U	250U	250U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	260U	260U	250U	250U
2,4-Dimethylphenol	(ug/kg)	260U	260U	250U	250U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	260U	260U	250U	250U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	260U	250U	240U	250U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	260U	260U	250U	250U
2-Methylnaphthalene	(ug/kg)	260U	250U	240U	250U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	260U	260U	250U	250U
2,4,5-Trichlorophenol	(ug/kg)	260U	260U	250U	250U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-003 03/18/1999 7.00 Primary	RCSB-005 03/18/1999 7.00 Primary	RCSB-006 03/18/1999 7.00 Primary	RCSB-007 03/18/1999 7.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	260U	250U	240U	250U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	260U	250U	240U	250U
2,4-Dinitrophenol	(ug/kg)	260U	260U	250U	250U
4-Nitrophenol	(ug/kg)	260U	260U	250U	250U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	260U	250U	240U	250U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	260U	260U	250U	250U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	260U	260U	250U	250U
Phenanthrene	(ug/kg)	260U	250U	240U	250U
Anthracene	(ug/kg)	260U	250U	240U	250U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	260U	250U	240U	250U
Pyrene	(ug/kg)	260U	250U	240U	250U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-003 03/18/1999 7.00 Primary	RCSB-005 03/18/1999 7.00 Primary	RCSB-006 03/18/1999 7.00 Primary	RCSB-007 03/18/1999 7.00 Primary
Benzo(a)anthracene	(ug/kg)	260U	250U	240U	250U
Chrysene	(ug/kg)	260U	250U	240U	250U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	260U	250U	240U	250U
Benzo(k)fluoranthene	(ug/kg)	260U	250U	240U	250U
Benzo(a)pyrene	(ug/kg)	260U	250U	240U	250U
Indeno(1,2,3-cd)pyrene	(ug/kg)	260U	250U	240U	250U
Dibenz(a,h) anthracene	(ug/kg)	260U	250U	240U	250U
Benzo(g,h,i)perylene	(ug/kg)	260U	250U	240U	250U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-008 03/18/1999 7.00 Primary	RCSB-009 03/18/1999 7.00 Primary	RCSB-010 03/18/1999 7.00 Primary	RCSB-011 03/18/1999 7.00 Primary
Starting Depth	(feet)	6.00	6.00	6.00	6.00
Ending Depth	(feet)	8.00	8.00	8.00	8.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	260U	290U	280U	270U
2-Chlorophenol	(ug/kg)	260U	290U	280U	270U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	260U	290U	280U	270U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	260U	290U	280U	270U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	260U	290U	280U	270U
2,4-Dimethylphenol	(ug/kg)	260U	290U	280U	270U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	260U	290U	280U	270U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	250U	290U	270U	270U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	260U	290U	280U	270U
2-Methylnaphthalene	(ug/kg)	250U	290U	270U	270U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	260U	290U	280U	270U
2,4,5-Trichlorophenol	(ug/kg)	260U	290U	280U	270U
Biphenyl	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-008 03/18/1999 7.00 Primary	RCSB-009 03/18/1999 7.00 Primary	RCSB-010 03/18/1999 7.00 Primary	RCSB-011 03/18/1999 7.00 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	250U	290U	270U	270U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	250U	290U	270U	270U
2,4-Dinitrophenol	(ug/kg)	260U	290U	280U	270U
4-Nitrophenol	(ug/kg)	260U	290U	280U	270U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	250U	290U	270U	270U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	260U	290U	280U	270U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	260U	290U	280U	270U
Phenanthrene	(ug/kg)	250U	290U	270U	270U
Anthracene	(ug/kg)	250U	290U	270U	270U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	250U	290U	270U	270U
Pyrene	(ug/kg)	250U	290U	270U	270U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RCSB-008	RCSB-009	RCSB-010	RCSB-011
	SAMPLE ID				
	DATE	03/18/1999	03/18/1999	03/18/1999	03/18/1999
	DEPTH (ft)	7.00	7.00	7.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	250U	290U	270U	270U
Chrysene	(ug/kg)	250U	290U	270U	270U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	250U	290U	270U	270U
Benzo(k)fluoranthene	(ug/kg)	250U	290U	270U	270U
Benzo(a)pyrene	(ug/kg)	250U	290U	270U	270U
Indeno(1,2,3-cd)pyrene	(ug/kg)	250U	290U	270U	270U
Dibenz(a,h) anthracene	(ug/kg)	250U	290U	270U	270U
Benzo(g,h,i)perylene	(ug/kg)	250U	290U	270U	270U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-012 03/18/1999 7.00 Primary	RCSB-013 03/18/1999 9.00 Primary	RCSB-013 03/18/1999 9.00 Duplicate 1	SB-001 D03458 11/14/2002 2.50 Primary
Starting Depth	(feet)	6.00	8.00	8.00	1.00
Ending Depth	(feet)	8.00	10.00	10.00	4.00
Benzaldehyde	(ug/kg)				75J
Phenol	(ug/kg)	270U	270U	270U	99U
2-Chlorophenol	(ug/kg)	270U	270U	270U	99U
Bis(2-chloroethyl)ether	(ug/kg)				99U
2-Methylphenol	(ug/kg)	270U	270U	270U	99U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				99U
Acetophenone	(ug/kg)				99U
4-Methylphenol	(ug/kg)	270U	270U	270U	99U
2,6-Dimethylphenol	(ug/kg)				250U
N-Nitrosodi-n-propylamine	(ug/kg)				99U
Hexachloroethane	(ug/kg)				99U
Nitrobenzene	(ug/kg)				99U
Isophorone	(ug/kg)				99U
2-Nitrophenol	(ug/kg)	270U	270U	270U	99U
2,4-Dimethylphenol	(ug/kg)	270U	270U	270U	250U
Bis(2-chloroethoxy)methane	(ug/kg)				99U
2,4-Dichlorophenol	(ug/kg)	270U	270U	270U	99U
3,4-Dimethylphenol	(ug/kg)				99U
Naphthalene	(ug/kg)	270U	260U	1400	99U
4-Chloroaniline	(ug/kg)				250U
Hexachlorobutadiene	(ug/kg)				99U
Caprolactam	(ug/kg)				99U
4-Chloro-3-methylphenol	(ug/kg)	270U	270U	270U	99U
2-Methylnaphthalene	(ug/kg)	270U	260U	680	80J
Hexachlorocyclopentadiene	(ug/kg)				250U
2,4,6-Trichlorophenol	(ug/kg)	270U	270U	270U	99U
2,4,5-Trichlorophenol	(ug/kg)	270U	270U	270U	99U
Biphenyl	(ug/kg)				99U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RCSB-012	RCSB-013	RCSB-013	SB-001
	SAMPLE ID				D03458
	DATE	03/18/1999	03/18/1999	03/18/1999	11/14/2002
	DEPTH (ft)	7.00	9.00	9.00	2.50
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
2-Chloronaphthalene	(ug/kg)				99U
2-Nitroaniline	(ug/kg)				99U
Dimethylphthalate	(ug/kg)				99U
2,6-Dinitrotoluene	(ug/kg)				99U
Acenaphthylene	(ug/kg)	270U	260U	270U	100
3-Nitroaniline	(ug/kg)				250U
Acenaphthene	(ug/kg)	270U	260U	4200	99U
2,4-Dinitrophenol	(ug/kg)	270U	270U	270U	250U
4-Nitrophenol	(ug/kg)	270U	270U	270U	250U
2,3,5,6-Tetrachlorophenol	(ug/kg)				250U
Dibenzofuran	(ug/kg)				99U
2,4-Dinitrotoluene	(ug/kg)				99U
Diethylphthalate	(ug/kg)				99U
Fluorene	(ug/kg)	270U	260U	6200	99U
4-chlorophenyl-phenylether	(ug/kg)				99U
4-Nitroaniline	(ug/kg)				250U
4,6-Dinitro-2-methylphenol	(ug/kg)	270U	270U	270U	250U
N-Nitrosodiphenylamine	(ug/kg)				250U
4-Bromophenyl phenylether	(ug/kg)				99U
Hexachlorobenzene	(ug/kg)				99U
Atrazine	(ug/kg)				99U
Pentachlorophenol	(ug/kg)	270U	210000	210000	6900
Phenanthrene	(ug/kg)	270U	260U	8900	45J
Anthracene	(ug/kg)	270U	260U	1500	130
Carbazole	(ug/kg)				99U
Di-n-butylphthalate	(ug/kg)				99U
Fluoranthene	(ug/kg)	270U	260U	1400	55J
Pyrene	(ug/kg)	270U	260U	1600	82J
Butylbenzylphthalate	(ug/kg)				99U
3,3'-Dichlorobenzidine	(ug/kg)				250U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-012 03/18/1999 7.00 Primary	RCSB-013 03/18/1999 9.00 Primary	RCSB-013 03/18/1999 9.00 Duplicate 1	SB-001 D03458 11/14/2002 2.50 Primary
Benzo(a)anthracene	(ug/kg)	270U	260U	270U	99U
Chrysene	(ug/kg)	270U	260U	270U	99
bis(2-Ethylhexyl) phthalate	(ug/kg)				59JB
Di-n-octylphthalate	(ug/kg)				99U
Benzo(b)fluoranthene	(ug/kg)	270U	260U	270U	110
Benzo(k)fluoranthene	(ug/kg)	270U	260U	270U	110
Benzo(a)pyrene	(ug/kg)	270U	260U	270U	99U
Indeno(1,2,3-cd)pyrene	(ug/kg)	270U	260U	270U	110
Dibenz(a,h) anthracene	(ug/kg)	270U	260U	270U	99U
Benzo(g,h,i)perylene	(ug/kg)	270U	260U	270U	99

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SB-001	SB-003	SB-003	SB-003
	SAMPLE ID	D03459	D03462	D03528	D03463
	DATE	11/14/2002	11/14/2002	11/14/2002	11/14/2002
	DEPTH (ft)	7.00	2.50	2.50	7.00
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Starting Depth	(feet)	4.00	1.00	1.00	4.00
Ending Depth	(feet)	10.00	4.00	4.00	10.00
Benzaldehyde	(ug/kg)	78J	110	140	530U
Phenol	(ug/kg)	100U	110U	110U	530U
2-Chlorophenol	(ug/kg)	100U	110U	110U	530U
Bis(2-chloroethyl)ether	(ug/kg)	100U	110U	110U	530U
2-Methylphenol	(ug/kg)	100U	110U	110U	530U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	100U	110U	110U	530U
Acetophenone	(ug/kg)	100U	110U	110U	530U
4-Methylphenol	(ug/kg)	100U	110U	110U	530U
2,6-Dimethylphenol	(ug/kg)	260U	270U	270U	1300U
N-Nitrosodi-n-propylamine	(ug/kg)	100U	110U	110U	530U
Hexachloroethane	(ug/kg)	100U	110U	110U	530U
Nitrobenzene	(ug/kg)	100U	110U	110U	530U
Isophorone	(ug/kg)	100U	110U	110U	530U
2-Nitrophenol	(ug/kg)	100U	110U	110U	530U
2,4-Dimethylphenol	(ug/kg)	260U	270U	270U	1300U
Bis(2-chloroethoxy)methane	(ug/kg)	100U	110U	110U	530U
2,4-Dichlorophenol	(ug/kg)	100U	110U	110U	530U
3,4-Dimethylphenol	(ug/kg)	100U	110U	110U	530U
Naphthalene	(ug/kg)	100U	92J	130	370J
4-Chloroaniline	(ug/kg)	260U	270U	270U	1300U
Hexachlorobutadiene	(ug/kg)	100U	110U	110U	530U
Caprolactam	(ug/kg)	100U	110U	110U	530U
4-Chloro-3-methylphenol	(ug/kg)	100U	110U	110U	530U
2-Methylnaphthalene	(ug/kg)	94J	93J	130	5600
Hexachlorocyclopentadiene	(ug/kg)	260U	270U	270U	1300U
2,4,6-Trichlorophenol	(ug/kg)	100U	110U	110U	530U
2,4,5-Trichlorophenol	(ug/kg)	100U	110U	110U	530U
Biphenyl	(ug/kg)	100U	110U	110U	590

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-001 D03459 11/14/2002 7.00 Primary	SB-003 D03462 11/14/2002 2.50 Primary	SB-003 D03528 11/14/2002 2.50 Duplicate 1	SB-003 D03463 11/14/2002 7.00 Primary
2-Chloronaphthalene	(ug/kg)	100U	110U	110U	530U
2-Nitroaniline	(ug/kg)	100U	110U	110U	530U
Dimethylphthalate	(ug/kg)	100U	110U	110U	530U
2,6-Dinitrotoluene	(ug/kg)	100U	110U	110U	530U
Acenaphthylene	(ug/kg)	140	66J	75J	530U
3-Nitroaniline	(ug/kg)	260U	270U	270U	1300U
Acenaphthene	(ug/kg)	100U	110U	110U	620
2,4-Dinitrophenol	(ug/kg)	260U	270U	270U	1300U
4-Nitrophenol	(ug/kg)	260U	270U	270U	1300U
2,3,5,6-Tetrachlorophenol	(ug/kg)	260U	150J	160J	1300U
Dibenzofuran	(ug/kg)	100U	110U	53J	530U
2,4-Dinitrotoluene	(ug/kg)	100U	110U	110U	530U
Diethylphthalate	(ug/kg)	100U	110U	110U	530U
Fluorene	(ug/kg)	100U	110U	110U	1100
4-chlorophenyl-phenylether	(ug/kg)	100U	110U	110U	530U
4-Nitroaniline	(ug/kg)	260U	270U	270U	1300U
4,6-Dinitro-2-methylphenol	(ug/kg)	260U	270U	270U	1300U
N-Nitrosodiphenylamine	(ug/kg)	260U	270U	270U	1300U
4-Bromophenyl phenylether	(ug/kg)	100U	110U	110U	530U
Hexachlorobenzene	(ug/kg)	100U	110U	110U	530U
Atrazine	(ug/kg)	100U	110U	110U	530U
Pentachlorophenol	(ug/kg)	4500	9600	9700	3200
Phenanthrene	(ug/kg)	100U	270	310	2500
Anthracene	(ug/kg)	120	62J	77J	530U
Carbazole	(ug/kg)	100U	110U	110U	530U
Di-n-butylphthalate	(ug/kg)	100U	110U	110U	530U
Fluoranthene	(ug/kg)	100U	420	460	530U
Pyrene	(ug/kg)	63J	350	420	530U
Butylbenzylphthalate	(ug/kg)	100U	110U	110U	530U
3,3'-Dichlorobenzidine	(ug/kg)	260U	270U	270U	1300U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-001 D03459 11/14/2002 7.00 Primary	SB-003 D03462 11/14/2002 2.50 Primary	SB-003 D03528 11/14/2002 2.50 Duplicate 1	SB-003 D03463 11/14/2002 7.00 Primary
Benzo(a)anthracene	(ug/kg)	100U	150	180	530U
Chrysene	(ug/kg)	150	290	330	530U
bis(2-Ethylhexyl) phthalate	(ug/kg)	160B	58JB	61JB	530U
Di-n-octylphthalate	(ug/kg)	100U	110U	110U	530U
Benzo(b)fluoranthene	(ug/kg)	110	230	280	530U
Benzo(k)fluoranthene	(ug/kg)	92J	230	260	530U
Benzo(a)pyrene	(ug/kg)	150	150	180	530U
Indeno(1,2,3-cd)pyrene	(ug/kg)	130	81J	88J	530U
Dibenz(a,h) anthracene	(ug/kg)	100U	110U	110U	530U
Benzo(g,h,i)perylene	(ug/kg)	110	64J	73J	530U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-010 D03476 11/13/2002 2.50 Primary	SB-010 D03477 11/13/2002 7.00 Primary	SB-012 D03481 11/13/2002 7.00 Primary	SB-012 D03480 11/13/2002 2.50 Primary
Starting Depth	(feet)	1.00	4.00	4.00	1.00
Ending Depth	(feet)	4.00	10.00	10.00	4.00
Benzaldehyde	(ug/kg)	140	110U	530U	80J
Phenol	(ug/kg)	120U	110U	530U	100U
2-Chlorophenol	(ug/kg)	120U	110U	530U	100U
Bis(2-chloroethyl)ether	(ug/kg)	120U	110U	530U	100U
2-Methylphenol	(ug/kg)	120U	110U	530U	100U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	120U	110U	530U	100U
Acetophenone	(ug/kg)	120U	110U	530U	100U
4-Methylphenol	(ug/kg)	120U	110U	530U	100U
2,6-Dimethylphenol	(ug/kg)	290U	270U	1300U	260U
N-Nitrosodi-n-propylamine	(ug/kg)	120U	110U	530U	100U
Hexachloroethane	(ug/kg)	120U	110U	530U	100U
Nitrobenzene	(ug/kg)	120U	110U	530U	100U
Isophorone	(ug/kg)	120U	110U	530U	100U
2-Nitrophenol	(ug/kg)	120U	110U	530U	100U
2,4-Dimethylphenol	(ug/kg)	290U	270U	1300U	260U
Bis(2-chloroethoxy)methane	(ug/kg)	120U	110U	530U	100U
2,4-Dichlorophenol	(ug/kg)	120U	110U	530U	100U
3,4-Dimethylphenol	(ug/kg)	120U	110U	530U	100U
Naphthalene	(ug/kg)	99J	110U	530U	100U
4-Chloroaniline	(ug/kg)	290U	270U	1300U	260U
Hexachlorobutadiene	(ug/kg)	120U	110U	530U	100U
Caprolactam	(ug/kg)	120U	110U	530U	100U
4-Chloro-3-methylphenol	(ug/kg)	120U	110U	530U	100U
2-Methylnaphthalene	(ug/kg)	170	110U	780	100U
Hexachlorocyclopentadiene	(ug/kg)	290U	270U	1300U	260U
2,4,6-Trichlorophenol	(ug/kg)	120U	110U	530U	100U
2,4,5-Trichlorophenol	(ug/kg)	120U	110U	530U	100U
Biphenyl	(ug/kg)	120U	110U	530U	100U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SB-010	SB-010	SB-012	SB-012
	SAMPLE ID	D03476	D03477	D03481	D03480
	DATE	11/13/2002	11/13/2002	11/13/2002	11/13/2002
	DEPTH (ft)	2.50	7.00	7.00	2.50
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)	120U	110U	530U	100U
2-Nitroaniline	(ug/kg)	120U	110U	530U	100U
Dimethylphthalate	(ug/kg)	120U	110U	530U	100U
2,6-Dinitrotoluene	(ug/kg)	120U	110U	530U	100U
Acenaphthylene	(ug/kg)	120U	110U	530U	100U
3-Nitroaniline	(ug/kg)	290U	270U	1300U	260U
Acenaphthene	(ug/kg)	120U	110U	400J	100U
2,4-Dinitrophenol	(ug/kg)	290U	270U	1300U	260U
4-Nitrophenol	(ug/kg)	290U	270U	1300U	260U
2,3,5,6-Tetrachlorophenol	(ug/kg)	290U	6100	630J	260U
Dibenzofuran	(ug/kg)	120U	110U	530U	100U
2,4-Dinitrotoluene	(ug/kg)	120U	110U	530U	100U
Diethylphthalate	(ug/kg)	120U	110U	530U	100U
Fluorene	(ug/kg)	120U	110U	670	100U
4-chlorophenyl-phenylether	(ug/kg)	120U	110U	530U	100U
4-Nitroaniline	(ug/kg)	290U	270U	1300U	260U
4,6-Dinitro-2-methylphenol	(ug/kg)	290U	270U	1300U	260U
N-Nitrosodiphenylamine	(ug/kg)	290U	270U	1300U	260U
4-Bromophenyl phenylether	(ug/kg)	120U	110U	530U	100U
Hexachlorobenzene	(ug/kg)	120U	110U	530U	100U
Atrazine	(ug/kg)	120U	110U	530U	100U
Pentachlorophenol	(ug/kg)	1300	490000	42000	680
Phenanthrene	(ug/kg)	170	110U	1500	100U
Anthracene	(ug/kg)	120U	110U	530U	100U
Carbazole	(ug/kg)	120U	110U	530U	100U
Di-n-butylphthalate	(ug/kg)	120U	110U	530U	100U
Fluoranthene	(ug/kg)	82J	950	530U	100U
Pyrene	(ug/kg)	73J	1400	530U	100U
Butylbenzylphthalate	(ug/kg)	120U	110U	530U	100U
3,3'-Dichlorobenzidine	(ug/kg)	290U	270U	1300U	260U

Subsurface Soil SVOC Results

PERIOD: From 01/27/1988 thru 09/02/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-010 D03476 11/13/2002 2.50 Primary	SB-010 D03477 11/13/2002 7.00 Primary	SB-012 D03481 11/13/2002 7.00 Primary	SB-012 D03480 11/13/2002 2.50 Primary
Benzo(a)anthracene	(ug/kg)		120U	110U	530U	100U
Chrysene	(ug/kg)		84J	110J	530U	100U
bis(2-Ethylhexyl) phthalate	(ug/kg)		62JB	59JB	530U	140B
Di-n-octylphthalate	(ug/kg)		120U	110U	530U	100U
Benzo(b)fluoranthene	(ug/kg)		120U	110U	530U	100U
Benzo(k)fluoranthene	(ug/kg)		120U	110U	530U	100U
Benzo(a)pyrene	(ug/kg)		120U	110U	530U	100U
Indeno(1,2,3-cd)pyrene	(ug/kg)		120U	110U	530U	100U
Dibenz(a,h) anthracene	(ug/kg)		120U	110U	530U	100U
Benzo(g,h,i)perylene	(ug/kg)		120U	110U	530U	100U

Appendix G
Subsurface Soil Metals Results

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	B-001-88	B-002-88	B-003-88	B-004-88
		SAMPLE ID	B-1	B-2	B-3	B-4
		DATE	01/27/1988	01/27/1988	01/27/1988	01/27/1988
		DEPTH (ft)	9.00	9.00	7.00	7.00
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		8.00	8.00	6.00	6.00
Ending Depth	(feet)		10.00	10.00	8.00	8.00
Aluminum	(mg/kg)					
Antimony	(mg/kg)					
Arsenic	(mg/kg)		1U	1.3	1.1	4.7
Barium	(mg/kg)					
Beryllium	(mg/kg)					
Cadmium	(mg/kg)					
Calcium	(mg/kg)					
Chromium(total)	(mg/kg)		5.6	37.9	6.9	8.1
Cobalt	(mg/kg)					
Copper	(mg/kg)		7.9	12.2	8.4	9.7
Iron	(mg/kg)					
Lead	(mg/kg)					
Magnesium	(mg/kg)					
Manganese	(mg/kg)					
Mercury	(mg/kg)					
Nickel	(mg/kg)					
Potassium	(mg/kg)					
Selenium	(mg/kg)					
Silver	(mg/kg)					
Sodium	(mg/kg)					
Thallium	(mg/kg)					
Vanadium	(mg/kg)					
Zinc	(mg/kg)					

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-005-88 B-5 01/27/1988 3.00 Primary	B-006-88 B-6 01/27/1988 7.00 Primary	B-007-88 B-7 01/27/1988 5.00 Primary	B-008-88 B-8 01/27/1988 7.00 Primary
Starting Depth	(feet)	2.00	6.00	4.00	6.00
Ending Depth	(feet)	4.00	8.00	6.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	2.6	1.1	1.6	4.6
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	9.7	44.7	9.4	6
Cobalt	(mg/kg)				
Copper	(mg/kg)	7.9	11.3	8.1	8.3
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-009-88 B-9 01/27/1988 3.00 Primary	B-010-88 B-10 01/27/1988 7.00 Primary	B-011-88 B-11 01/27/1988 8.00 Primary	B-012-89 01/09/1989 11.00 Primary
Starting Depth	(feet)	2.00	6.00	7.00	10.00
Ending Depth	(feet)	4.00	8.00	9.00	12.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	3.9	1.3	2.4	1.6
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	10.2	15.6	7.6	31.5
Cobalt	(mg/kg)				
Copper	(mg/kg)	145	15.3	9.5	11.3
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	B-013-89 01/09/1989 6.00 Primary	B-014-89 01/09/1989 6.00 Primary	B-015-89 01/10/1989 6.00 Primary	B-016-89 01/10/1989 6.00 Primary
Starting Depth	(feet)	5.00	5.00	5.00	5.00
Ending Depth	(feet)	7.00	7.00	7.00	7.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	7.3	1.1	1.6	1.3
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	10.8	9.9	14.2	10.6
Cobalt	(mg/kg)				
Copper	(mg/kg)	14.7	12.6	11.8	13
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	B-017-89	GP-001	GP-002	GP-003
	SAMPLE ID				
	DATE	01/10/1989	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	6.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	5.00	2.00	2.00	2.00
Ending Depth	(feet)	7.00	4.00	4.00	4.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	1U	13U	12U	12U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	10.6	7	7.2	8.2
Cobalt	(mg/kg)				
Copper	(mg/kg)	12.8	40	8.2	13
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-004	GP-005	GP-006	GP-007
	SAMPLE ID				
	DATE	02/02/1999	02/02/1999	02/02/1999	02/02/1999
	DEPTH (ft)	3.00	3.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	14U	14U	14U	12U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	12	23	38	9.2
Cobalt	(mg/kg)				
Copper	(mg/kg)	15	150	14	7.4
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-008 02/02/1999 3.00 Primary	GP-009 02/02/1999 3.00 Primary	GP-010 02/03/1999 3.00 Primary	GP-011 02/02/1999 3.00 Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	13U	13U	170	13U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	8.1	9	96	16
Cobalt	(mg/kg)				
Copper	(mg/kg)	8	7.3	15	17
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-012 02/03/1999 3.00 Primary	GP-013 02/02/1999 3.00 Primary	GP-014 02/02/1999 7.00 Primary	GP-015 02/02/1999 7.00 Primary
Starting Depth	(feet)	2.00	2.00	6.00	6.00
Ending Depth	(feet)	4.00	4.00	8.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	540	15U	13U	17
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	530	13	6	17
Cobalt	(mg/kg)				
Copper	(mg/kg)	120	7.6	11	11
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-016 02/02/1999 7.00 Primary	GP-017 02/02/1999 7.00 Primary	GP-018 02/02/1999 7.00 Primary	GP-019 02/02/1999 7.00 Primary
Starting Depth	(feet)	6.00	6.00	6.00	6.00
Ending Depth	(feet)	8.00	8.00	8.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	12U	87	12U	13U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	80	20	11	6
Cobalt	(mg/kg)				
Copper	(mg/kg)	8.6	29	8.8	13
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-020 02/04/1999 3.00 Primary	GP-021 02/04/1999 3.00 Primary	GP-022 02/04/1999 3.00 Primary	GP-023 02/04/1999 3.00 Primary
Starting Depth	(feet)	2.00	2.00	2.00	2.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	13U	13U	12U	14U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	11	13	10	9
Cobalt	(mg/kg)				
Copper	(mg/kg)	12	20	10	25
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-024	GP-025	GP-025	GP-026
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/04/1999
	DEPTH (ft)	3.00	3.00	7.00	5.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	2.00	6.00	4.00
Ending Depth	(feet)	4.00	4.00	8.00	6.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	12U	12U	13U	15U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	12	13	12	9.9
Cobalt	(mg/kg)				
Copper	(mg/kg)	8.6	7.7	4.8	42
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-027 02/03/1999 3.00 Primary	GP-028 02/03/1999 3.00 Primary	GP-028 02/03/1999 7.00 Primary	GP-029 02/03/1999 3.00 Primary
Starting Depth	(feet)	2.00	2.00	6.00	2.00
Ending Depth	(feet)	4.00	4.00	8.00	4.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	14U	17	13U	13U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	11	9	12	3.5
Cobalt	(mg/kg)				
Copper	(mg/kg)	11	10	4.3	8
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	GP-029	GP-030	GP-030	GP-031
		SAMPLE ID				
		DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
		DEPTH (ft)	7.00	3.00	4.50	3.00
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		6.00	2.00	4.00	2.00
Ending Depth	(feet)		8.00	4.00	5.00	4.00
Aluminum	(mg/kg)					
Antimony	(mg/kg)					
Arsenic	(mg/kg)		13U	13U	12U	12U
Barium	(mg/kg)					
Beryllium	(mg/kg)					
Cadmium	(mg/kg)					
Calcium	(mg/kg)					
Chromium(total)	(mg/kg)		10	7.3	7.9	11
Cobalt	(mg/kg)					
Copper	(mg/kg)		11	5.2	6.1	8.9
Iron	(mg/kg)					
Lead	(mg/kg)					
Magnesium	(mg/kg)					
Manganese	(mg/kg)					
Mercury	(mg/kg)					
Nickel	(mg/kg)					
Potassium	(mg/kg)					
Selenium	(mg/kg)					
Silver	(mg/kg)					
Sodium	(mg/kg)					
Thallium	(mg/kg)					
Vanadium	(mg/kg)					
Zinc	(mg/kg)					

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-032	GP-032	GP-033	GP-033
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	3.00	5.00	3.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	4.00	2.00	6.00
Ending Depth	(feet)	4.00	6.00	4.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	13U	13U	12U	14U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	12	16	16	19
Cobalt	(mg/kg)				
Copper	(mg/kg)	8.2	7.6	9.3	6.9
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	GP-034	GP-034	GP-035	GP-036
	SAMPLE ID				
	DATE	02/03/1999	02/03/1999	02/03/1999	02/03/1999
	DEPTH (ft)	3.00	7.00	3.00	3.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	2.00	6.00	2.00	2.00
Ending Depth	(feet)	4.00	8.00	4.00	4.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	17	50	14U	12U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	5.2	8.2	18	6.1
Cobalt	(mg/kg)				
Copper	(mg/kg)	5.3	5.7	52	5
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-037 02/03/1999 3.00 Primary	GP-037 02/03/1999 7.00 Primary	GP-038 02/03/1999 3.00 Primary	GP-039 02/03/1999 3.00 Primary
Starting Depth	(feet)	2.00	6.00	2.00	2.00
Ending Depth	(feet)	4.00	8.00	4.00	4.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	27	14	14	13U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	20	9.1	13	8.8
Cobalt	(mg/kg)				
Copper	(mg/kg)	18	5.6	9.4	10
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-040 02/03/1999 3.00 Primary	GP-042 02/10/1999 1.50 Primary	GP-042 02/10/1999 5.00 Primary	GP-043 02/10/1999 3.00 Primary
Starting Depth	(feet)	2.00	1.00	4.00	2.00
Ending Depth	(feet)	4.00	2.00	6.00	4.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	12U	12U	12U	12U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	5.7	12	14	10
Cobalt	(mg/kg)				
Copper	(mg/kg)	9.5	9.3	7.7	6.7
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	GP-043 02/10/1999 5.00 Primary	GP-044 02/10/1999 1.50 Primary	GP-044 02/10/1999 5.00 Primary	MW-001 MW-1 01/27/1988 7.00 Primary
Starting Depth	(feet)	4.00	1.00	4.00	6.00
Ending Depth	(feet)	6.00	2.00	6.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	13U	13U	12U	2.6
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	12	18	4.2	8.3
Cobalt	(mg/kg)				
Copper	(mg/kg)	7.2	9	8.2	10.4
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	MW-002 MW-2 01/27/1988 7.00 Primary	MW-003 MW-3 01/27/1988 7.00 Primary	MW-004 MW-4 01/27/1988 9.00 Primary	MW-005A MW-5 01/27/1988 7.00 Primary
Starting Depth	(feet)	6.00	6.00	8.00	6.00
Ending Depth	(feet)	8.00	8.00	10.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	4	140	2.2	2.2
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	14.5	162	8.2	8.2
Cobalt	(mg/kg)				
Copper	(mg/kg)	21.4	58.9	3.9	230
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	MW-006 MW-6 01/27/1988 6.00 Primary	MW-007A MW-7 01/27/1988 9.00 Primary	MW-008B MW-8B 01/10/1989 4.75 Primary	MW-009B MW-9B 01/10/1989 9.00 Primary
Starting Depth	(feet)	4.00	8.00	4.00	8.00
Ending Depth	(feet)	8.00	10.00	5.50	10.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	1.6	1.5	5	1.4
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	11	7.1	7.8	14.2
Cobalt	(mg/kg)				
Copper	(mg/kg)	11.5	7.9	6.4	8.2
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	MW-012	PW-001	RCA-1	RCA-2
		SAMPLE ID			RCA-1	RCA-2
		DATE	01/17/1989	01/09/1989	02/03/1999	02/05/1999
		DEPTH (ft)	7.00	7.00	5.00	5.00
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		6.00	6.00	4.00	4.00
Ending Depth	(feet)		8.00	8.00	6.00	6.00
Aluminum	(mg/kg)					
Antimony	(mg/kg)					
Arsenic	(mg/kg)		1	1U	14U	14U
Barium	(mg/kg)					
Beryllium	(mg/kg)					
Cadmium	(mg/kg)					
Calcium	(mg/kg)					
Chromium(total)	(mg/kg)		31.10	7.8	9.2	10
Cobalt	(mg/kg)					
Copper	(mg/kg)		12.20	6.3	78	11
Iron	(mg/kg)					
Lead	(mg/kg)					
Magnesium	(mg/kg)					
Manganese	(mg/kg)					
Mercury	(mg/kg)					
Nickel	(mg/kg)					
Potassium	(mg/kg)					
Selenium	(mg/kg)					
Silver	(mg/kg)					
Sodium	(mg/kg)					
Thallium	(mg/kg)					
Vanadium	(mg/kg)					
Zinc	(mg/kg)					

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCA-3 RCA-3 02/04/1999 11.00 Primary	RCA-5 RCA-5 02/05/1999 5.00 Primary	RCA-6 RCA-6 02/05/1999 5.00 Primary	RCA-7 RCA-7 02/04/1999 5.00 Primary
Starting Depth	(feet)	10.00	4.00	4.00	4.00
Ending Depth	(feet)	12.00	6.00	6.00	6.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	13U	13U	60	19
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	9.6	7.8	15	11
Cobalt	(mg/kg)				
Copper	(mg/kg)	9.3	8	13	12
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RCA-8	RCSB-001	RCSB-002	RCSB-003
	SAMPLE ID	RCA-8			
	DATE	02/03/1999	03/18/1999	03/18/1999	03/18/1999
	DEPTH (ft)	5.00	5.00	9.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	4.00	4.00	8.00	6.00
Ending Depth	(feet)	6.00	6.00	10.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	13U	6.4U	6.3U	5.8U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	38	12	38	6.3
Cobalt	(mg/kg)				
Copper	(mg/kg)	37	39	17	7
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RCSB-005	RCSB-006	RCSB-007	RCSB-008
	SAMPLE ID				
	DATE	03/18/1999	03/18/1999	03/18/1999	03/18/1999
	DEPTH (ft)	7.00	7.00	7.00	7.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	6.00	6.00	6.00	6.00
Ending Depth	(feet)	8.00	8.00	8.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	5.9U	6.3U	5.9U	5.6U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	8.7	5.3	17	4.6
Cobalt	(mg/kg)				
Copper	(mg/kg)	9.3	7.6	9.6	8.2
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-009 03/18/1999 7.00 Primary	RCSB-010 03/18/1999 7.00 Primary	RCSB-011 03/18/1999 7.00 Primary	RCSB-012 03/18/1999 7.00 Primary
Starting Depth	(feet)	6.00	6.00	6.00	6.00
Ending Depth	(feet)	8.00	8.00	8.00	8.00
Aluminum	(mg/kg)				
Antimony	(mg/kg)				
Arsenic	(mg/kg)	6.7U	7.1U	5.9U	6.7U
Barium	(mg/kg)				
Beryllium	(mg/kg)				
Cadmium	(mg/kg)				
Calcium	(mg/kg)				
Chromium(total)	(mg/kg)	13	160	12	8.4
Cobalt	(mg/kg)				
Copper	(mg/kg)	15	20	15	9.2
Iron	(mg/kg)				
Lead	(mg/kg)				
Magnesium	(mg/kg)				
Manganese	(mg/kg)				
Mercury	(mg/kg)				
Nickel	(mg/kg)				
Potassium	(mg/kg)				
Selenium	(mg/kg)				
Silver	(mg/kg)				
Sodium	(mg/kg)				
Thallium	(mg/kg)				
Vanadium	(mg/kg)				
Zinc	(mg/kg)				

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RCSB-013 03/18/1999 9.00 Primary	RCSB-013 03/18/1999 9.00 Duplicate 1	SB-002 MAJF90 11/14/2002 2.50 Primary	SB-002 MAJF91 11/14/2002 2.50 Primary
Starting Depth	(feet)	8.00	8.00	1.00	1.00
Ending Depth	(feet)	10.00	10.00	4.00	4.00
Aluminum	(mg/kg)			12400	7920
Antimony	(mg/kg)			2.1B	0.84U
Arsenic	(mg/kg)	6.3U	6.3U	47.9*	27.5*
Barium	(mg/kg)			91.3	51.3
Beryllium	(mg/kg)			0.62B	0.37B
Cadmium	(mg/kg)			0.12B	0.091U
Calcium	(mg/kg)			2250	1400
Chromium(total)	(mg/kg)	7.4	7.4	236*	111*
Cobalt	(mg/kg)			16.2	3.1B
Copper	(mg/kg)	5.7	5.7	108N*	43.4N*
Iron	(mg/kg)			25800	14900
Lead	(mg/kg)			271*	108*
Magnesium	(mg/kg)			996B	752B
Manganese	(mg/kg)			376	251
Mercury	(mg/kg)			0.6	0.28
Nickel	(mg/kg)			11.6	5.6B
Potassium	(mg/kg)			723B	425B
Selenium	(mg/kg)			2.8	2.3
Silver	(mg/kg)			0.15B	0.16U
Sodium	(mg/kg)			225B	163B
Thallium	(mg/kg)			1U	1.2U
Vanadium	(mg/kg)			21.7	13.8
Zinc	(mg/kg)			89*E	58.2*E

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-003 MAJF92 11/14/2002 2.50 Primary	SB-003 MAJF94 11/14/2002 2.50 Duplicate 1	SB-003 MAJF93 11/14/2002 2.50 Primary	SB-003 MAJF95 11/14/2002 2.50 Duplicate 1
Starting Depth	(feet)	1.00	1.00	1.00	1.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Aluminum	(mg/kg)	8030	8140	4880	5810
Antimony	(mg/kg)	5.2JEB	5.3JEB	3.8JEB	2.8JEB
Arsenic	(mg/kg)	30	34.1	14.2	16.8
Barium	(mg/kg)	62.5	65.8	36	51
Beryllium	(mg/kg)	0.47	0.53	0.31U	0.33U
Cadmium	(mg/kg)	0.056UJ	0.058UJ	0.065U	0.061U
Calcium	(mg/kg)	5520J	3300J	1660	1760
Chromium(total)	(mg/kg)	81.5	93.8	33.6	34.4
Cobalt	(mg/kg)	37.4	46	3.3	3.4
Copper	(mg/kg)	82.1	84.2	45.5	39.4
Iron	(mg/kg)	21600	25200	15300	14700
Lead	(mg/kg)	193	235	132	123
Magnesium	(mg/kg)	1750	1810	1460	1480
Manganese	(mg/kg)	264	289	193	204
Mercury	(mg/kg)	0.14	0.15	0.099	0.066J
Nickel	(mg/kg)	13.8	16.4	6.3	5.6
Potassium	(mg/kg)	578J	594J	292J	407J
Selenium	(mg/kg)	1.4	1.9	0.83J	0.87J
Silver	(mg/kg)	0.15U	0.38U	0.17U	0.16U
Sodium	(mg/kg)	664U	667UJ	721UJ	731U
Thallium	(mg/kg)	R	R	R	R
Vanadium	(mg/kg)	19.8	21.2	13.1	13.6
Zinc	(mg/kg)	50.4	56.8	37.1	37.6

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SB-004	SB-004	SB-006	SB-006
	SAMPLE ID	MAJF96	MAJF97	MAJF98	MAJF99
	DATE	11/14/2002	11/14/2002	11/14/2002	11/14/2002
	DEPTH (ft)	2.50	2.50	2.50	2.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	1.00	1.00	1.00	1.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Aluminum	(mg/kg)	6290	4190	5730	4390
Antimony	(mg/kg)	0.96B	0.79U	7.5B	24.6
Arsenic	(mg/kg)	8.4*	4.9*	18.4*	10.1*
Barium	(mg/kg)	46.6	25.7B	124	74.1
Beryllium	(mg/kg)	0.36B	0.21B	0.51B	0.38B
Cadmium	(mg/kg)	0.08U	0.085U	0.081U	0.088U
Calcium	(mg/kg)	2420	1470	2580	2290
Chromium(total)	(mg/kg)	44.6*	10.9*	34.7*	9.4*
Cobalt	(mg/kg)	51.7	4.5B	41.1	4.7B
Copper	(mg/kg)	120N*	35.5N*	118N*	57.6N*
Iron	(mg/kg)	23200	18000	31000	19600
Lead	(mg/kg)	139*	78.4*	361*	210*
Magnesium	(mg/kg)	2280	1740	931B	927B
Manganese	(mg/kg)	270	191	249	208
Mercury	(mg/kg)	0.47	0.17	4.6	1.2
Nickel	(mg/kg)	18	6.6B	13.5	5.9B
Potassium	(mg/kg)	598B	319B	510B	441B
Selenium	(mg/kg)	1.6	1.6	3.6	2.1
Silver	(mg/kg)	0.14U	0.15U	0.15B	0.15U
Sodium	(mg/kg)	205B	149B	2650	1880
Thallium	(mg/kg)	1U	1.1U	1U	1.1U
Vanadium	(mg/kg)	16.9	11.2	18.6	12.3
Zinc	(mg/kg)	45.5E*	32.7*E	2160*E	1520*E

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-008 MAJG00 11/13/2002 2.50 Primary	SB-008 MANH09 11/13/2002 2.50 Primary	SB-010 MANH10 11/13/2002 2.50 Primary	SB-010 MANH11 11/13/2002 2.50 Primary
Starting Depth	(feet)	1.00	1.00	1.00	1.00
Ending Depth	(feet)	4.00	4.00	4.00	4.00
Aluminum	(mg/kg)	5880	3000	5740	5850
Antimony	(mg/kg)	2.7B	1.4B	1.9JEB	0.81UJ
Arsenic	(mg/kg)	12.5*	6.2*	55.1	35.2
Barium	(mg/kg)	132	71.2	56	40.5
Beryllium	(mg/kg)	4	1.9	0.28U	0.22U
Cadmium	(mg/kg)	0.082U	0.1U	0.056UJ	0.063UJ
Calcium	(mg/kg)	1000B	506B	621J	525J
Chromium(total)	(mg/kg)	44.6*	12.7*	42.1	14.3
Cobalt	(mg/kg)	20.5	3B	37.7	2.6J
Copper	(mg/kg)	239N*	54.8N*	37.6	13.6
Iron	(mg/kg)	30100	18600	31100	23700
Lead	(mg/kg)	710*	165*	40.9	20.5
Magnesium	(mg/kg)	594B	285B	1440	2200
Manganese	(mg/kg)	142	68.3	153	155
Mercury	(mg/kg)	0.3	0.063U	0.074J	0.069J
Nickel	(mg/kg)	49.6	14	9.9	4.9
Potassium	(mg/kg)	475B	252B	451J	506J
Selenium	(mg/kg)	3.6	2.3	6.3	4.1
Silver	(mg/kg)	0.29B	0.18U	0.15U	0.17U
Sodium	(mg/kg)	616B	287B	671U	753U
Thallium	(mg/kg)	1U	1.3U	R	R
Vanadium	(mg/kg)	19.6	11B	28.7	22.5
Zinc	(mg/kg)	345*E	110*E	24.7J	23.2J

Subsurface Soil Metals Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SB-010	SB-010	SB-012	SB-012
		SAMPLE ID	MANH12	MANH13	MANH14	MANH15
		DATE	11/13/2002	11/13/2002	11/13/2002	11/13/2002
		DEPTH (ft)	7.00	7.00	2.50	2.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		4.00	4.00	1.00	1.00
Ending Depth	(feet)		10.00	10.00	4.00	4.00
Aluminum	(mg/kg)		8990	5800	5560	4600
Antimony	(mg/kg)		0.74UJ	0.27UJ	0.36UJ	0.25UJ
Arsenic	(mg/kg)		1.3	1J	3.5	4
Barium	(mg/kg)		40.7	34.1	37.8	25.1
Beryllium	(mg/kg)		0.34U	0.19U	0.36U	0.25U
Cadmium	(mg/kg)		0.061U	0.068U	0.056UJ	0.062U
Calcium	(mg/kg)		1920J	819J	1680J	1240J
Chromium(total)	(mg/kg)		40.5	7.3	43.4	9.1
Cobalt	(mg/kg)		42.6	1.5	45.5	4.9
Copper	(mg/kg)		37.6	3.5	30.6	10.2
Iron	(mg/kg)		12700	9980	19800	14800
Lead	(mg/kg)		8.8	6.3	7.8	6.5
Magnesium	(mg/kg)		2770	1350	2800	2230
Manganese	(mg/kg)		190	100	331	239
Mercury	(mg/kg)		0.051U	0.045U	0.04U	0.048U
Nickel	(mg/kg)		12.7	3.2	16	6.2
Potassium	(mg/kg)		635J	338J	671J	366J
Selenium	(mg/kg)		0.71J	0.68U	1.2	0.62U
Silver	(mg/kg)		0.16U	0.18U	0.15U	0.17U
Sodium	(mg/kg)		671U	751U	669U	694U
Thallium	(mg/kg)		R	R	R	R
Vanadium	(mg/kg)		17.2	10.6	21.2	15.8
Zinc	(mg/kg)		39.8	21.4	29.8	22.8

Appendix H
Subsurface Soil Dioxin/Furan Results

Subsurface Soil Dioxin/Furan Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-001 D03458 11/14/2002 2.50 Primary	SB-001 D03459 11/14/2002 7.00 Primary	SB-002 D03460 11/14/2002 2.50 Primary	SB-002 D03461 11/14/2002 7.00 Primary
Starting Depth	(feet)	1.00	4.00	1.00	4.00
Ending Depth	(feet)	4.00	10.00	4.00	10.00
2,3,7,8-TCDD	(ng/kg)	0.899U	0.954U*	1.55*	0.298U
1,2,3,7,8-PeCDD	(ng/kg)	2.13	4.61	26.6J	0.539U
1,2,3,4,7,8-HxCDD	(ng/kg)	0.763U	36.4	82.2J	4.57
1,2,3,6,7,8-HxCDD	(ng/kg)	714	809	346J	13.7
1,2,3,7,8,9-HxCDD	(ng/kg)	126	170	240J	10.5J
1,2,3,4,6,7,8-HpCDD	(ng/kg)	20500J	23800J	8960J	504J
OCDD	(ng/kg)	113000J	139000J	82900J	5610J
2,3,7,8-TCDF	(ng/kg)	0.182U	0.261U	1.65J	0.26U
1,2,3,7,8-PeCDF	(ng/kg)	0.829U	0.503U	6.81J	0.521U
2,3,4,7,8-PeCDF	(ng/kg)	0.928U	0.578U	6.93J	0.577U
1,2,3,4,7,8-HxCDF	(ng/kg)	225	246	81J	3.87*
1,2,3,6,7,8-HxCDF	(ng/kg)	253	303	76.2J	3.81*
2,3,4,6,7,8-HxCDF	(ng/kg)	4.01U	13.3U	45.7J	2.46*
1,2,3,7,8,9-HxCDF	(ng/kg)	4.68U	15.5U	4.85J	2.69U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)	5830J	6230J	1670J	100J
1,2,3,4,7,8,9-HpCDF	(ng/kg)	793	699	362J	10.9*
OCDF	(ng/kg)	31800J	35600J	6290J	599J
TCDDs (total)	(ng/kg)	2.97J	2.5J	6.81J	0.298UJ
PeCDDs (total)	(ng/kg)	15.6J	22.3J	88.6J	0.83J
HxCDDs (Total)	(ng/kg)	2190J	2830J	1590J	61.7J
HpCDDs (total)	(ng/kg)	35600J	40900J	16800J	852J
TCDFs (total)	(ng/kg)	1.42J	141J	166J	11.3J
PeCDFs (total)	(ng/kg)	1920J	2390J	404J	17.3J
HxCDFs (total)	(ng/kg)	2470J	3450J	2870J	119J
HpCDFs (total)	(ng/kg)	21800J	25400J	10000J	475J
TEQ EMPC (ND=0) 1989	(ng/kg)	550J	640J	300J	16J
TEQ EMPC (ND=0) 1998	(ng/kg)	420J	480J	240J	11J

Subsurface Soil Dioxin/Furan Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-003 D03462 11/14/2002 2.50 Primary	SB-003 D03528 11/14/2002 2.50 Duplicate 1	SB-003 D03463 11/14/2002 7.00 Primary	SB-004 D03464 11/14/2002 2.50 Primary
Starting Depth	(feet)	1.00	1.00	4.00	1.00
Ending Depth	(feet)	4.00	4.00	10.00	4.00
2,3,7,8-TCDD	(ng/kg)	1.36	1.51	0.0565UJ	0.0746U
1,2,3,7,8-PeCDD	(ng/kg)	27.2	32.7	3.85J	0.554U*
1,2,3,4,7,8-HxCDD	(ng/kg)	83.1	128	15.5J	1.06U
1,2,3,6,7,8-HxCDD	(ng/kg)	534	665	572J	3.4
1,2,3,7,8,9-HxCDD	(ng/kg)	269	296	83J	2.33
1,2,3,4,6,7,8-HpCDD	(ng/kg)	14700J	17300J	25300J	93.3JEB
OCDD	(ng/kg)	146000J	156000J	205000J	930J
2,3,7,8-TCDF	(ng/kg)	0.879J	1.65	22.1J	0.759J
1,2,3,7,8-PeCDF	(ng/kg)	3.43	3.92	18.1J	0.0746U
2,3,4,7,8-PeCDF	(ng/kg)	10J	10.1J	43.3J	0.177U*
1,2,3,4,7,8-HxCDF	(ng/kg)	176	169	248J	1.84*
1,2,3,6,7,8-HxCDF	(ng/kg)	730	648	116J	1.54*
2,3,4,6,7,8-HxCDF	(ng/kg)	95.7	63.6	117J	0.563*
1,2,3,7,8,9-HxCDF	(ng/kg)	1.95U	1.17U*	5.42J	0.0933U
1,2,3,4,6,7,8-HpCDF	(ng/kg)	2780J	3160J	3900J	14.6J
1,2,3,4,7,8,9-HpCDF	(ng/kg)	635J	374J	209J	1.36U*
OCDF	(ng/kg)	15100J	16300J	20700	39J
TCDDs (total)	(ng/kg)	11.1J	24.7J	23.9J	2.02UJ
PeCDDs (total)	(ng/kg)	72.8J	84.4J	98.9J	1.2UJ
HxCDDs (Total)	(ng/kg)	2110J	2430J	1710J	18.8J
HpCDDs (total)	(ng/kg)	27500J	31100J	43600J	172J
TCDFs (total)	(ng/kg)	925J	1270J	306J	8.49UJ
PeCDFs (total)	(ng/kg)	2900J	3130J	424J	9.04J
HxCDFs (total)	(ng/kg)	14800J	13400J	6440J	29.2J
HpCDFs (total)	(ng/kg)	8920J	27100J	17100J	51.1J
TEQ EMPC (ND=0) 1989	(ng/kg)	550J	600J	660J	3.1J
TEQ EMPC (ND=0) 1998	(ng/kg)	420J	460J	460J	2.2J

Subsurface Soil Dioxin/Furan Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SB-004	SB-005	SB-005	SB-006
	SAMPLE ID	D03465	D03466	D03467	D03468
	DATE	11/14/2002	11/14/2002	11/14/2002	11/14/2002
	DEPTH (ft)	7.00	2.50	7.00	2.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	4.00	1.00	4.00	1.00
Ending Depth	(feet)	10.00	4.00	10.00	4.00
2,3,7,8-TCDD	(ng/kg)	7.69J	0.0557U*	0.0744U	7.87
1,2,3,7,8-PeCDD	(ng/kg)	18.3J	0.26U	0.0929U*	19.9
1,2,3,4,7,8-HxCDD	(ng/kg)	5.4J	0.336U*	0.502U	10.2
1,2,3,6,7,8-HxCDD	(ng/kg)	31.3J	0.713U	0.297U	48
1,2,3,7,8,9-HxCDD	(ng/kg)	18.1J	0.488U	0.416U*	37.6
1,2,3,4,6,7,8-HpCDD	(ng/kg)	168JEB	19.7J	9.4J	460J
OCDD	(ng/kg)	1290J	143J	90.3J	3030J
2,3,7,8-TCDF	(ng/kg)	14.4J	0.0909U*	0.0929U	17.6
1,2,3,7,8-PeCDF	(ng/kg)	13.5J	0.111U	0.0929U	16.1
2,3,4,7,8-PeCDF	(ng/kg)	53.2J	0.132*	0.112U	110J
1,2,3,4,7,8-HxCDF	(ng/kg)	95.6J	0.303U*	0.727U*	125
1,2,3,6,7,8-HxCDF	(ng/kg)	26.7J	0.288U*	0.625U*	28.2
2,3,4,6,7,8-HxCDF	(ng/kg)	14.9J	0.174U*	0.277U*	20.1
1,2,3,7,8,9-HxCDF	(ng/kg)	2.03UJ	0.226U*	1.21U	1.92U
1,2,3,4,6,7,8-HpCDF	(ng/kg)	112J	2.04UJ	2.8UJ	177J
1,2,3,4,7,8,9-HpCDF	(ng/kg)	23.2J	2.5U	2.01U	43.7
OCDF	(ng/kg)	162J	7.95UJ	4.42UJ	347J
TCDDs (total)	(ng/kg)	240J	0.0577UJ	0.0744UJ	270J
PeCDDs (total)	(ng/kg)	279J	0.26UJ	0.0929UJ	330J
HxCDDs (Total)	(ng/kg)	233J	2.23J	1.05J	366J
HpCDDs (total)	(ng/kg)	273J	32.4J	16.1J	714J
TCDFs (total)	(ng/kg)	506J	0.0909UJ	0.363J	612J
PeCDFs (total)	(ng/kg)	439J	3.24J	1.58J	561J
HxCDFs (total)	(ng/kg)	345J	6.75J	8.85J	403J
HpCDFs (total)	(ng/kg)	237J	20.8J	10.2J	430J
TEQ EMPC (ND=0) 1989	(ng/kg)	69J	0.41J	0.18J	110J
TEQ EMPC (ND=0) 1998	(ng/kg)	77J	0.28J	0.1J	120J

Subsurface Soil Dioxin/Furan Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SB-006	SB-007	SB-007	SB-008
		SAMPLE ID	D03469	D03470	D03471	D03472
		DATE	11/14/2002	11/13/2002	11/13/2002	11/13/2002
		DEPTH (ft)	7.00	2.50	7.00	2.50
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		4.00	1.00	4.00	1.00
Ending Depth	(feet)		10.00	4.00	10.00	4.00
2,3,7,8-TCDD	(ng/kg)		0.131U	0.145U	1.45	0.384U*
1,2,3,7,8-PeCDD	(ng/kg)		0.184U*	0.907UJ	9.05J	1.79J
1,2,3,4,7,8-HxCDD	(ng/kg)		0.197U*	1.39U	8.31	3.35U
1,2,3,6,7,8-HxCDD	(ng/kg)		0.165U*	3.28U	9.65	13
1,2,3,7,8,9-HxCDD	(ng/kg)		0.339U*	2.79U	11.9	6.74
1,2,3,4,6,7,8-HpCDD	(ng/kg)		1.85JEB	90.1	38	452
OCDD	(ng/kg)		18.5UJ	493J	39.7UJ	4110J
2,3,7,8-TCDF	(ng/kg)		0.0693U*	0.257U*	4.2	1.12
1,2,3,7,8-PeCDF	(ng/kg)		0.075U	0.306U	11.7	2.58
2,3,4,7,8-PeCDF	(ng/kg)		0.075U	0.27U*	2.83J	1.69J
1,2,3,4,7,8-HxCDF	(ng/kg)		0.133U*	2.03U	23.5	9.9
1,2,3,6,7,8-HxCDF	(ng/kg)		0.152U*	1.6U	8.49	6.01
2,3,4,6,7,8-HxCDF	(ng/kg)		0.122U*	0.942U	1.28U	2.13U
1,2,3,7,8,9-HxCDF	(ng/kg)		0.0731U*	0.12U*	0.559U	0.35U
1,2,3,4,6,7,8-HpCDF	(ng/kg)		0.47UJ*	33.7	28.4	77.9
1,2,3,4,7,8,9-HpCDF	(ng/kg)		0.148U*	2.55U	3.23U	7.56
OCDF	(ng/kg)		1.74UJ*	93.6	19.2U	275
TCDDs (total)	(ng/kg)		0.131UJ	0.145UJ	69.7J	5.93J
PeCDDs (total)	(ng/kg)		0.184UJ	2.78J	102J	9.19J
HxCDDs (Total)	(ng/kg)		0.701UJ	17.9J	101J	52.9J
HpCDDs (total)	(ng/kg)		3.09J	140JEB	64.4JEB	711JEB
TCDFs (total)	(ng/kg)		0.0693UJ	3.73J	64.8J	32.1J
PeCDFs (total)	(ng/kg)		0.15UJ	7.83JEB	54.4JEB	41.4JEB
HxCDFs (total)	(ng/kg)		0.9UJ	42.4J	54.5J	130J
HpCDFs (total)	(ng/kg)		0.148UJ	105J	37.9J	288J
TEQ EMPC (ND=0) 1989	(ng/kg)		0.018J	1.8J	15J	15J
TEQ EMPC (ND=0) 1998	(ng/kg)		0.018J	1.3J	20J	12J

Subsurface Soil Dioxin/Furan Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-008 D03473 11/13/2002 7.00 Primary	SB-009 D03474 11/13/2002 2.50 Primary	SB-009 D03475 11/13/2002 7.00 Primary	SB-010 D03476 11/13/2002 2.50 Primary
Starting Depth	(feet)	4.00	1.00	4.00	1.00
Ending Depth	(feet)	10.00	4.00	10.00	4.00
2,3,7,8-TCDD	(ng/kg)	0.0745U*	0.0365U	0.0965U*	0.784U*
1,2,3,7,8-PeCDD	(ng/kg)	0.149U	0.861UJ	0.575UJ	6.27
1,2,3,4,7,8-HxCDD	(ng/kg)	0.171U*	2.04U	1.06U	18.8
1,2,3,6,7,8-HxCDD	(ng/kg)	0.482U*	5.46U	4.49U	274
1,2,3,7,8,9-HxCDD	(ng/kg)	0.261U*	3.62U	1.9U	52.2
1,2,3,4,6,7,8-HpCDD	(ng/kg)	5.75	225	165	7310J
OCDD	(ng/kg)	60.9J	2110J	1660J	53100J
2,3,7,8-TCDF	(ng/kg)	0.112U	0.328UJ	0.0772U	0.967
1,2,3,7,8-PeCDF	(ng/kg)	0.112U	0.192U*	0.116U	2.77
2,3,4,7,8-PeCDF	(ng/kg)	0.114U*	0.193UJ	0.172UJ	3.99J
1,2,3,4,7,8-HxCDF	(ng/kg)	0.19U*	2.26U	1.67U	117
1,2,3,6,7,8-HxCDF	(ng/kg)	0.302U*	3.63	5.51	455
2,3,4,6,7,8-HxCDF	(ng/kg)	0.0335U	0.931U	0.714U	43.4
1,2,3,7,8,9-HxCDF	(ng/kg)	0.112U	0.15U*	0.158U*	16
1,2,3,4,6,7,8-HpCDF	(ng/kg)	1.21U	45	31.8	1430J
1,2,3,4,7,8,9-HpCDF	(ng/kg)	0.223U	5.21	4.85U	200
OCDF	(ng/kg)	2.95U	142	109	6290J
TCDDs (total)	(ng/kg)	0.138UJ	3.64J	0.253UJ	1.73UJ
PeCDDs (total)	(ng/kg)	0.149UJ	1.71UJ	1.1UJ	19.3J
HxCDDs (Total)	(ng/kg)	1.37UJ	27.9J	19.1J	801J
HpCDDs (total)	(ng/kg)	14.8JEB	376JEB	273JEB	12800J
TCDFs (total)	(ng/kg)	0.916J	5.16J	1.08J	271J
PeCDFs (total)	(ng/kg)	1.28JEB	16.6JEB	20.8JEB	1970J
HxCDFs (total)	(ng/kg)	5.07J	77.4J	89J	9680J
HpCDFs (total)	(ng/kg)	5.31UJ	188J	136J	12900J
TEQ EMPC (ND=0) 1989	(ng/kg)	0.12J	5.4J	4.3J	250J
TEQ EMPC (ND=0) 1998	(ng/kg)	0.064J	3.3J	2.7J	200J

Subsurface Soil Dioxin/Furan Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SB-010	SB-011	SB-011	SB-012
		SAMPLE ID	D03477	D03478	D03479	D03481
		DATE	11/13/2002	11/13/2002	11/13/2002	11/13/2002
		DEPTH (ft)	7.00	2.50	7.00	7.00
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		4.00	1.00	4.00	4.00
Ending Depth	(feet)		10.00	4.00	10.00	10.00
2,3,7,8-TCDD	(ng/kg)		2.97	0.38U	0.0952U	4.69J
1,2,3,7,8-PeCDD	(ng/kg)		20.5	2.67J	0.171U	21J
1,2,3,4,7,8-HxCDD	(ng/kg)		204	4.18U	0.248U	74.5J
1,2,3,6,7,8-HxCDD	(ng/kg)		3720	12.6	1.71U*	591J
1,2,3,7,8,9-HxCDD	(ng/kg)		1360J	8.16	1.29U	104J
1,2,3,4,6,7,8-HpCDD	(ng/kg)		153000J	375	33.5	16000J
OCDD	(ng/kg)		1.08e+006J	3340J	296J	124000J
2,3,7,8-TCDF	(ng/kg)		6.09	0.196U*	0.107U*	7.09J
1,2,3,7,8-PeCDF	(ng/kg)		33.2	0.685U	0.133U	8.56J
2,3,4,7,8-PeCDF	(ng/kg)		52J	0.824U*	0.156U*	29.2J
1,2,3,4,7,8-HxCDF	(ng/kg)		676	7.37	1.19U*	198J
1,2,3,6,7,8-HxCDF	(ng/kg)		260	23.3	3.13U	47.7J
2,3,4,6,7,8-HxCDF	(ng/kg)		160	3.81	0.158U*	24.9J
1,2,3,7,8,9-HxCDF	(ng/kg)		15.7	0.177U*	0.0895U*	2.74J
1,2,3,4,6,7,8-HpCDF	(ng/kg)		21700J	99.2	11.4	2540J
1,2,3,4,7,8,9-HpCDF	(ng/kg)		2370	14.3	1.4U*	469J
OCDF	(ng/kg)		123000J	251	23.7U	15400J
TCDDs (total)	(ng/kg)		13.1UJ	0.549UJ	0.0952U	164J
PeCDDs (total)	(ng/kg)		70.7J	4.43J	0.303UJ	242J
HxCDDs (Total)	(ng/kg)		14400J	59.1J	4.92J	1730J
HpCDDs (total)	(ng/kg)		261000J	582JEB	54.2JEB	27500J
TCDFs (total)	(ng/kg)		67.3J	20.5J	2.14J	228J
PeCDFs (total)	(ng/kg)		583J	143JEB	9.54JEB	284J
HxCDFs (total)	(ng/kg)		29700J	406J	40.7J	3630J
HpCDFs (total)	(ng/kg)		180000J	428J	40.3J	23100J
TEQ EMPC (ND=0) 1989	(ng/kg)		3700J	15J	0.74J	460J
TEQ EMPC (ND=0) 1998	(ng/kg)		2600J	13J	0.48J	350J

Subsurface Soil Dioxin/Furan Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-012 D03480 11/13/2002 2.50 Primary
Starting Depth	(feet)	1.00
Ending Depth	(feet)	4.00
2,3,7,8-TCDD	(ng/kg)	0.996
1,2,3,7,8-PeCDD	(ng/kg)	7.54
1,2,3,4,7,8-HxCDD	(ng/kg)	8.69
1,2,3,6,7,8-HxCDD	(ng/kg)	29.6
1,2,3,7,8,9-HxCDD	(ng/kg)	19.7
1,2,3,4,6,7,8-HpCDD	(ng/kg)	769JEB
OCDD	(ng/kg)	6460J
2,3,7,8-TCDF	(ng/kg)	0.537J
1,2,3,7,8-PeCDF	(ng/kg)	2.26
2,3,4,7,8-PeCDF	(ng/kg)	1.68J
1,2,3,4,7,8-HxCDF	(ng/kg)	26.1
1,2,3,6,7,8-HxCDF	(ng/kg)	86.8
2,3,4,6,7,8-HxCDF	(ng/kg)	10.4
1,2,3,7,8,9-HxCDF	(ng/kg)	0.604U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)	309J
1,2,3,4,7,8,9-HpCDF	(ng/kg)	27.1
OCDF	(ng/kg)	962J
TCDDs (total)	(ng/kg)	0.996UJ
PeCDDs (total)	(ng/kg)	12.1J
HxCDDs (Total)	(ng/kg)	120J
HpCDDs (total)	(ng/kg)	1160J
TCDFs (total)	(ng/kg)	36J
PeCDFs (total)	(ng/kg)	263J
HxCDFs (total)	(ng/kg)	1110J
HpCDFs (total)	(ng/kg)	1240J
TEQ EMPC (ND=0) 1989	(ng/kg)	42J
TEQ EMPC (ND=0) 1998	(ng/kg)	39J

Appendix I
Subsurface Soil TOC/TCO Results

Subsurface Soil TOC/TCO Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SB-001	SB-001	SB-003	SB-003
		SAMPLE ID	D03458	D03459	D03462	D03528
		DATE	11/14/2002	11/14/2002	11/14/2002	11/14/2002
		DEPTH (ft)	2.50	7.00	2.50	2.50
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Starting Depth	(feet)		1.00	4.00	1.00	1.00
Ending Depth	(feet)		4.00	10.00	4.00	4.00
Total Organic Carbon (TOC)	(mg/kg)		1410	1750	23100	29000
Total Combustible Organics (TCO)	(mg/kg)		11200	15400	60600	57600

Subsurface Soil TOC/TCO Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SB-003 D03463 11/14/2002 7.00 Primary	SB-010 D03476 11/13/2002 2.50 Primary	SB-010 D03477 11/13/2002 7.00 Primary	SB-012 D03481 11/13/2002 7.00 Primary
Starting Depth	(feet)		4.00	1.00	4.00	4.00
Ending Depth	(feet)		10.00	4.00	10.00	10.00
Total Organic Carbon (TOC)	(mg/kg)		1090	22100	12600	1400
Total Combustible Organics (TCO)	(mg/kg)		11200	67600	19600	10300

Subsurface Soil TOC/TCO Results

PERIOD: From 01/27/1988 thru 11/14/2002 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE: SB-012 SAMPLE ID: D03480 DATE: 11/13/2002 DEPTH (ft): 2.50 RESULT TYPE: Primary
Starting Depth	(feet)	1.00
Ending Depth	(feet)	4.00
Total Organic Carbon (TOC)	(mg/kg)	549
Total Combustible Organics (TCO)	(mg/kg)	10800

Appendix J
Ground Water VOC Results

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01856 11/19/2001 Primary	MW-003 D01857 11/16/2001 Primary	MW-004 D01858 11/13/2001 Primary	MW-005A D01859 11/15/2001 Primary
Dichlorodifluoromethane	(ug/l)	0.1U	0.1U	0.1UJ	0.1U
Chloromethane	(ug/l)	0.28U	0.1U	0.52UJ	0.1U
Vinyl chloride	(ug/l)	0.1U	0.1U	1.4	0.3
Bromomethane	(ug/l)	0.1U	0.1U	0.1UJ	0.1U
Chloroethane	(ug/l)	0.31J	0.1U	3.1	1
Trichlorofluoromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1-Dichloroethene	(ug/l)	0.1U	0.1U	0.38	0.1U
Freon 113	(ug/l)	0.1U	0.1U	0.1U	0.1U
Acetone	(ug/l)	14UJ	10UJ	10UJ	10UJ
Carbon disulfide	(ug/l)	0.13U	0.1UJ	0.29U	0.1U
Methyl Acetate	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methylene chloride	(ug/l)	0.14UJ	0.16UJ	0.11UJ	0.16UJ
trans-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	0.15	0.1U
Methyl tert-butyl ether	(ug/l)	0.1U	0.1U	0.33U	0.1U
1,1-Dichloroethane	(ug/l)	0.1U	0.1U	12	5.4
cis-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	2.3	0.57
2-Butanone (MEK)	(ug/l)	6U	0.1U	0.1UJ	0.56U
Chloroform	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1,1-trichloroethane	(ug/l)	0.07J	0.1U	4.8	0.29
Cyclohexane	(ug/l)	0.43	0.1U	0.1U	0.1U
Carbon tetrachloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Trichloroethene	(ug/l)	0.1U	0.1U	2.6	0.19
1,2-Dichloroethane	(ug/l)	0.1U	0.1U	0.14	0.1U
Benzene	(ug/l)	0.65UJ	0.1UJ	1.1UJ	0.1UJ
Methylcyclohexane	(ug/l)	1.5	0.1U	0.1U	0.09J
1,2-Dichloropropane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromodichloromethane	(ug/l)	0.1UJ	0.1U	0.1U	0.1U
cis-1,3-Dichloropropene	(ug/l)	0.1U	0.1U	0.1U	0.1U
4-Methyl-2-pentanone	(ug/l)	5.8	0.1U	0.1U	0.1U
Toluene	(ug/l)	6UJ	0.1U	0.59U	0.1U

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01856 11/19/2001 Primary	MW-003 D01857 11/16/2001 Primary	MW-004 D01858 11/13/2001 Primary	MW-005A D01859 11/15/2001 Primary
Trans-1,3-Dichloropropene	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,1,2-Trichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Tetrachloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Hexanone	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
Dibromochloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromoethane (EDB)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Ethylbenzene	(ug/l)	7.9J	0.1U	0.1U	0.37UJ
Xylenes (total)	(ug/l)	60J	0.1U	0.1U	2.4
Styrene	(ug/l)	2.4	0.1U	0.1U	0.1U
Bromoform	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1U
Isopropylbenzene	(ug/l)	3.3	0.1U	0.1U	0.51
1,1,2,2-Tetrachloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,3-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,4-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromo-3-chloropropane	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,2,4-Trichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1UJ

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-005A	MW-005B	MW-006	MW-007A
	SAMPLE ID	D01860	D01861	D01862	D01863
	DATE	11/15/2001	11/14/2001	11/15/2001	11/15/2001
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Dichlorodifluoromethane	(ug/l)	0.1U	0.21	0.1U	0.1U
Chloromethane	(ug/l)	0.1U	0.42U	0.23U	1.3U
Vinyl chloride	(ug/l)	0.29	0.7	0.1U	0.1U
Bromomethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chloroethane	(ug/l)	1	2.3	0.1U	0.73
Trichlorofluoromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1-Dichloroethene	(ug/l)	0.1U	0.08J	0.1U	0.1U
Freon 113	(ug/l)	0.1U	0.1U	0.1U	0.1U
Acetone	(ug/l)	10UJ	10UJ	10UJ	10UJ
Carbon disulfide	(ug/l)	0.1U	0.1U	0.11U	0.13U
Methyl Acetate	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methylene chloride	(ug/l)	0.14UJ	0.17UJ	0.18UJ	0.2UJ
trans-1,2-Dichloroethene	(ug/l)	0.1U	0.06J	0.1U	0.1U
Methyl tert-butyl ether	(ug/l)	0.1U	0.28U	0.1U	0.1U
1,1-Dichloroethane	(ug/l)	5.3	11	0.1U	1.7
cis-1,2-Dichloroethene	(ug/l)	0.56	0.97	0.1U	0.11
2-Butanone (MEK)	(ug/l)	0.1U	0.1U	1.7U	0.64U
Chloroform	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1,1-trichloroethane	(ug/l)	0.26	0.6	0.1U	0.1U
Cyclohexane	(ug/l)	0.1U	0.1U	0.09J	0.1U
Carbon tetrachloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Trichloroethene	(ug/l)	0.18	0.37	0.1U	0.1UJ
1,2-Dichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Benzene	(ug/l)	0.1UJ	3.2UJ	0.24UJ	0.5UJ
Methylcyclohexane	(ug/l)	0.1J	0.1U	0.22	0.1U
1,2-Dichloropropane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromodichloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
cis-1,3-Dichloropropene	(ug/l)	0.1U	0.1U	0.1U	0.1U
4-Methyl-2-pentanone	(ug/l)	0.1U	0.1U	0.1U	0.1U
Toluene	(ug/l)	0.1U	1.8UJ	0.38UJ	2.2UJ

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-005A	MW-005B	MW-006	MW-007A
	SAMPLE ID	D01860	D01861	D01862	D01863
	DATE	11/15/2001	11/14/2001	11/15/2001	11/15/2001
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Trans-1,3-Dichloropropene	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,1,2-Trichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Tetrachloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Hexanone	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
Dibromochloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromoethane (EDB)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Ethylbenzene	(ug/l)	0.36UJ	0.1U	2J	0.1UJ
Xylenes (total)	(ug/l)	2.5	0.1U	20	0.57U
Styrene	(ug/l)	0.1U	0.1U	0.23U	0.1U
Bromoform	(ug/l)	0.1U	0.1U	0.1UJ	0.1UJ
Isopropylbenzene	(ug/l)	0.52	0.1U	1.8	0.08J
1,1,2,2-Tetrachloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,3-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,4-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromo-3-chloropropane	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,2,4-Trichlorobenzene	(ug/l)	0.1UJ	0.1UJ	0.1U	0.1U

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-007B D02002 11/15/2001 Primary	MW-008A D01864 11/13/2001 Primary	MW-008B D01865 11/14/2001 Primary	MW-009A D01866 11/16/2001 Primary
Dichlorodifluoromethane	(ug/l)	0.12	0.1UJ	0.1U	0.1U
Chloromethane	(ug/l)	0.1U	0.97UJ	0.1U	0.1U
Vinyl chloride	(ug/l)	0.09J	0.1U	0.1U	0.1U
Bromomethane	(ug/l)	0.1U	0.06J	0.1U	0.1U
Chloroethane	(ug/l)	0.62	1	0.1U	0.1U
Trichlorofluoromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Freon 113	(ug/l)	0.1U	0.1U	0.1U	0.1U
Acetone	(ug/l)	10UJ	10UJ	10UJ	10UJ
Carbon disulfide	(ug/l)	0.1U	0.33U	0.1U	0.1U
Methyl Acetate	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methylene chloride	(ug/l)	0.15UJ	0.11UJ	0.16UJ	0.16UJ
trans-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methyl tert-butyl ether	(ug/l)	0.1U	0.1U	0.12U	0.1U
1,1-Dichloroethane	(ug/l)	0.10U	0.1U	0.1U	0.1U
cis-1,2-Dichloroethene	(ug/l)	0.26	0.1U	0.1U	0.1U
2-Butanone (MEK)	(ug/l)	0.1U	0.1UJ	0.1U	0.1U
Chloroform	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1,1-trichloroethane	(ug/l)	0.2	0.1U	0.1U	0.1U
Cyclohexane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Carbon tetrachloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Trichloroethene	(ug/l)	0.14	0.1U	0.1U	0.1U
1,2-Dichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Benzene	(ug/l)	0.1UJ	0.88UJ	0.83UJ	0.1UJ
Methylcyclohexane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichloropropane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromodichloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
cis-1,3-Dichloropropene	(ug/l)	0.1U	0.1U	0.1U	0.1U
4-Methyl-2-pentanone	(ug/l)	0.1U	0.1U	0.1U	0.1U
Toluene	(ug/l)	0.29UJ	0.69U	0.64UJ	0.1U

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-007B D02002 11/15/2001 Primary	MW-008A D01864 11/13/2001 Primary	MW-008B D01865 11/14/2001 Primary	MW-009A D01866 11/16/2001 Primary
Trans-1,3-Dichloropropene	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,1,2-Trichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Tetrachloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Hexanone	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
Dibromochloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromoethane (EDB)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Ethylbenzene	(ug/l)	0.15UJ	0.1U	0.1U	0.1U
Xylenes (total)	(ug/l)	0.99	0.44U	0.1U	0.1U
Styrene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromoform	(ug/l)	0.1UJ	0.1UJ	0.1U	0.1UJ
Isopropylbenzene	(ug/l)	0.21	0.51	0.1U	0.1U
1,1,2,2-Tetrachloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,3-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,4-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromo-3-chloropropane	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,2,4-Trichlorobenzene	(ug/l)	0.1U	0.1U	0.1UJ	0.1U

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-009B	MW-010	MW-011	MW-012
	SAMPLE ID	D01867	D01868	D01869	D01870
	DATE	11/14/2001	11/14/2001	11/16/2001	11/19/2001
	RESULT TYPE	Primary	Primary	Primary	Primary
Dichlorodifluoromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chloromethane	(ug/l)	0.35U	0.53U	0.25U	0.1U
Vinyl chloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromomethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chloroethane	(ug/l)	0.1U	0.34	0.1U	0.1U
Trichlorofluoromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Freon 113	(ug/l)	0.1U	0.1U	0.1U	0.1U
Acetone	(ug/l)	10UJ	10UJ	10UJ	10UJ
Carbon disulfide	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methyl Acetate	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methylene chloride	(ug/l)	0.18UJ	0.23UJ	0.17UJ	0.14UJ
trans-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methyl tert-butyl ether	(ug/l)	0.1U	0.32U	0.1U	0.1U
1,1-Dichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
cis-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Butanone (MEK)	(ug/l)	0.1U	0.1U	0.1U	0.68U
Chloroform	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1,1-trichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cyclohexane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Carbon tetrachloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Trichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Benzene	(ug/l)	2UJ	2.5UJ	0.1UJ	0.1UJ
Methylcyclohexane	(ug/l)	0.1U	0.08J	0.1U	0.24
1,2-Dichloropropane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromodichloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
cis-1,3-Dichloropropene	(ug/l)	0.1U	0.1U	0.1U	0.1U
4-Methyl-2-pentanone	(ug/l)	0.1U	0.1U	0.1U	0.1U
Toluene	(ug/l)	2.3UJ	2.5UJ	0.1U	0.63UJ

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-009B D01867 11/14/2001 Primary	MW-010 D01868 11/14/2001 Primary	MW-011 D01869 11/16/2001 Primary	MW-012 D01870 11/19/2001 Primary
Trans-1,3-Dichloropropene	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,1,2-Trichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Tetrachloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Hexanone	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
Dibromochloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromoethane (EDB)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Ethylbenzene	(ug/l)	0.1U	0.18UJ	0.1U	1.4J
Xylenes (total)	(ug/l)	0.12U	1.2	0.1U	22
Styrene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromoform	(ug/l)	0.1U	0.1U	0.1UJ	0.1UJ
Isopropylbenzene	(ug/l)	0.09J	1.3	0.1U	1.5J
1,1,2,2-Tetrachloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,3-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,4-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromo-3-chloropropane	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,2,4-Trichlorobenzene	(ug/l)	0.1UJ	0.1UJ	0.1U	0.1U

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-012 D01871 11/19/2001 Duplicate 1
Dichlorodifluoromethane	(ug/l)	0.1U
Chloromethane	(ug/l)	0.1U
Vinyl chloride	(ug/l)	0.1U
Bromomethane	(ug/l)	0.1U
Chloroethane	(ug/l)	0.1U
Trichlorofluoromethane	(ug/l)	0.1U
1,1-Dichloroethene	(ug/l)	0.1U
Freon 113	(ug/l)	0.1U
Acetone	(ug/l)	10UJ
Carbon disulfide	(ug/l)	0.1U
Methyl Acetate	(ug/l)	0.1U
Methylene chloride	(ug/l)	0.14UJ
trans-1,2-Dichloroethene	(ug/l)	0.1U
Methyl tert-butyl ether	(ug/l)	0.1U
1,1-Dichloroethane	(ug/l)	0.1U
cis-1,2-Dichloroethene	(ug/l)	0.1U
2-Butanone (MEK)	(ug/l)	0.77U
Chloroform	(ug/l)	0.1U
1,1,1-trichloroethane	(ug/l)	0.1U
Cyclohexane	(ug/l)	0.1U
Carbon tetrachloride	(ug/l)	0.1U
Trichloroethene	(ug/l)	0.1U
1,2-Dichloroethane	(ug/l)	0.1U
Benzene	(ug/l)	0.1UJ
Methylcyclohexane	(ug/l)	0.24
1,2-Dichloropropane	(ug/l)	0.1U
Bromodichloromethane	(ug/l)	0.1U
cis-1,3-Dichloropropene	(ug/l)	0.1U
4-Methyl-2-pentanone	(ug/l)	0.1U
Toluene	(ug/l)	0.71UJ

Ground Water VOC Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-012
	SAMPLE ID	D01871
	DATE	11/19/2001
	RESULT TYPE	Duplicate 1
Trans-1,3-Dichloropropene	(ug/l)	0.1UJ
1,1,2-Trichloroethane	(ug/l)	0.1U
Tetrachloroethene	(ug/l)	0.1U
2-Hexanone	(ug/l)	0.1UJ
Dibromochloromethane	(ug/l)	0.1U
1,2-Dibromoethane (EDB)	(ug/l)	0.1U
Chlorobenzene	(ug/l)	0.1U
Ethylbenzene	(ug/l)	2.2J
Xylenes (total)	(ug/l)	22
Styrene	(ug/l)	0.1U
Bromoform	(ug/l)	0.1UJ
Isopropylbenzene	(ug/l)	2.2J
1,1,2,2-Tetrachloroethane	(ug/l)	0.1U
1,3-Dichlorobenzene	(ug/l)	0.1U
1,4-Dichlorobenzene	(ug/l)	0.1U
1,2-Dichlorobenzene	(ug/l)	0.1U
1,2-Dibromo-3-chloropropane	(ug/l)	0.1UJ
1,2,4-Trichlorobenzene	(ug/l)	0.1U

Appendix K
Ground Water SVOC Results

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	BR-1	BR-1	BR-2	BR-2
	SAMPLE ID	BR-1	A18B7	BR-2	A18B8
	DATE	02/18/1999	12/11/2003	02/19/1999	12/17/2003
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzaldehyde	(ug/l)		10UJ		10U
Phenol	(ug/l)	12U	10U	10U	10U
2-Chlorophenol	(ug/l)	12U	10U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)		10U		10U
2-Methylphenol	(ug/l)	12U	10U	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)		10U		10U
Acetophenone	(ug/l)		10U		10U
4-Methylphenol	(ug/l)	12U	10U	10U	10U
N-Nitrosodi-n-propylamine	(ug/l)		10U		10U
Hexachloroethane	(ug/l)		10U		10U
Nitrobenzene	(ug/l)		10U		10U
Isophorone	(ug/l)		10U		10U
2-Nitrophenol	(ug/l)	12U	10U	10U	10U
2,4-Dimethylphenol	(ug/l)	12U	10U	10U	10U
Bis(2-chloroethoxy) methane	(ug/l)		10U		10U
2,4-Dichlorophenol	(ug/l)	12U	10U	10U	10U
Naphthalene	(ug/l)		10U		10U
4-Chloroaniline	(ug/l)		10U		10U
Hexachlorobutadiene	(ug/l)		10U		10U
Caprolactam	(ug/l)		10U		4J
4-Chloro-3-methylphenol	(ug/l)	12U	10U	10U	10U
2-Methylnaphthalene	(ug/l)		10U		2J
Hexachlorocyclopentadiene	(ug/l)		10UJ		10U
2,4,6-Trichlorophenol	(ug/l)	12U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	12U	25U	10U	25U
1,1'-Biphenyl	(ug/l)		10U		10U
2-Chloronaphthalene	(ug/l)		10U		10U
2-Nitroaniline	(ug/l)		25U		25U
Dimethylphthalate	(ug/l)		10U		10U
2,6-Dinitrotoluene	(ug/l)		10U		10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	BR-1 BR-1 02/18/1999 Primary	BR-1 A18B7 12/11/2003 Primary	BR-2 BR-2 02/19/1999 Primary	BR-2 A18B8 12/17/2003 Primary
Acenaphthylene	(ug/l)		10U		10U
3-Nitroaniline	(ug/l)		25U		25U
Acenaphthene	(ug/l)		10U		10U
2,4-Dinitrophenol	(ug/l)	12U	25UJ	10U	25U
4-Nitrophenol	(ug/l)	12U	25U	10U	25U
Dibenzofuran	(ug/l)		10U		10U
2,4-Dinitrotoluene	(ug/l)		10U		10U
Diethylphthalate	(ug/l)		10U		8JB
Fluorene	(ug/l)		10U		10U
4-chlorophenyl-phenylether	(ug/l)		10U		10U
4-Nitroaniline	(ug/l)		25U		25U
4,6-Dinitro-2-methylphenol	(ug/l)	12U	25UJ	10U	25U
N-Nitrosodiphenylamine	(ug/l)		10U		10U
4-Bromophenyl phenylether	(ug/l)		10U		10U
Hexachlorobenzene	(ug/l)		10U		10U
Atrazine	(ug/l)		R		10U
Pentachlorophenol	(ug/l)	12U	25U	10U	570
Phenanthrene	(ug/l)		10U		0.6J
Anthracene	(ug/l)		10U		10U
Carbazole	(ug/l)		10U		10U
Di-n-butylphthalate	(ug/l)		10U		1JB
Fluoranthene	(ug/l)		10U		10U
Pyrene	(ug/l)		10U		10U
Butylbenzylphthalate	(ug/l)		10U		10U
3,3'-Dichlorobenzidine	(ug/l)		10U		10U
Benzo(a)anthracene	(ug/l)		10U		10U
Chrysene	(ug/l)		10U		10U
bis(2-Ethylhexyl) phthalate	(ug/l)		10U		4JB
Di-n-octylphthalate	(ug/l)		10U		10U
Benzo(b)fluoranthene	(ug/l)		10U		10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	BR-1	BR-1	BR-2	BR-2
	SAMPLE ID	BR-1	A18B7	BR-2	A18B8
	DATE	02/18/1999	12/11/2003	02/19/1999	12/17/2003
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(k)fluoranthene	(ug/l)		10U		10U
Benzo(a)pyrene	(ug/l)		10U		10U
Indeno(1,2,3-cd)pyrene	(ug/l)		10U		10U
Dibenzo(a,h)anthracene	(ug/l)		10U		10U
Benzo(g,h,i)perylene	(ug/l)		10U		10U
2,3,5,6-Tetrachlorophenol	(ug/l)				
2,6-Dimethylphenol	(ug/l)				
3,4-Dimethylphenol	(ug/l)				

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-002	MW-002	MW-002	MW-003
	SAMPLE ID	D01856	A18N0	A18Q9	D01857
	DATE	11/19/2001	12/10/2003	12/10/2003	11/16/2001
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Benzaldehyde	(ug/l)	R	10UJ	10U	2UJ
Phenol	(ug/l)	R	10U	10U	10U
2-Chlorophenol	(ug/l)	R	10U	10U	1U
bis(2-Chloroethyl) ether	(ug/l)	R	10U	10U	2U
2-Methylphenol	(ug/l)	R	0.8J	0.8J	2U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	R	10U	10U	2U
Acetophenone	(ug/l)	R	10U	10U	2U
4-Methylphenol	(ug/l)	R	10U	10U	2U
N-Nitrosodi-n-propylamine	(ug/l)	R	10U	10U	2U
Hexachloroethane	(ug/l)	R	10U	10U	1U
Nitrobenzene	(ug/l)	R	10U	10U	2U
Isophorone	(ug/l)	R	10U	10U	2U
2-Nitrophenol	(ug/l)	R	10U	10U	2U
2,4-Dimethylphenol	(ug/l)	R	10U	10U	2UJ
Bis(2-chloroethoxy) methane	(ug/l)	R	10U	10U	2U
2,4-Dichlorophenol	(ug/l)	R	10U	10U	2U
Naphthalene	(ug/l)	94J	35	33	2U
4-Chloroaniline	(ug/l)	R	10U	10U	10UJ
Hexachlorobutadiene	(ug/l)	R	10U	10U	2U
Caprolactam	(ug/l)	R	10U	10U	2U
4-Chloro-3-methylphenol	(ug/l)	R	10U	10U	2U
2-Methylnaphthalene	(ug/l)	440J	290	280	2U
Hexachlorocyclopentadiene	(ug/l)	R	10UJ	10U	R
2,4,6-Trichlorophenol	(ug/l)	5.9J	10U	0.5J	10U
2,4,5-Trichlorophenol	(ug/l)	9.8J	9J	9J	25U
1,1'-Biphenyl	(ug/l)	27J	32	35	2U
2-Chloronaphthalene	(ug/l)	R	10U	10U	2U
2-Nitroaniline	(ug/l)	R	25U	25U	10U
Dimethylphthalate	(ug/l)	R	10U	10U	R
2,6-Dinitrotoluene	(ug/l)	R	10U	10U	1U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01856 11/19/2001 Primary	MW-002 A18N0 12/10/2003 Primary	MW-002 A18Q9 12/10/2003 Duplicate 1	MW-003 D01857 11/16/2001 Primary
Acenaphthylene	(ug/l)	R	5J	5J	2U
3-Nitroaniline	(ug/l)	R	25U	25U	25U
Acenaphthene	(ug/l)	39J	60	59	2U
2,4-Dinitrophenol	(ug/l)	R	25UJ	25UJ	10U
4-Nitrophenol	(ug/l)	R	25U	25U	25U
Dibenzofuran	(ug/l)	20J	40	41	1U
2,4-Dinitrotoluene	(ug/l)	R	10U	10U	2U
Diethylphthalate	(ug/l)	R	10U	10U	2U
Fluorene	(ug/l)	30J	34	34	1U
4-chlorophenyl-phenylether	(ug/l)	R	10U	10U	2U
4-Nitroaniline	(ug/l)	R	25U	25U	10U
4,6-Dinitro-2-methylphenol	(ug/l)	R	25UJ	25UJ	10U
N-Nitrosodiphenylamine	(ug/l)	R	10U	10U	2U
4-Bromophenyl phenylether	(ug/l)	R	10U	10U	2U
Hexachlorobenzene	(ug/l)	R	10U	10U	2U
Atrazine	(ug/l)	R	R	R	2U
Pentachlorophenol	(ug/l)	3500J	930	940	400J
Phenanthrene	(ug/l)	45J	33	35	2U
Anthracene	(ug/l)	R	3J	4J	1U
Carbazole	(ug/l)	R	0.8J	0.7J	1U
Di-n-butylphthalate	(ug/l)	R	10U	10U	2U
Fluoranthene	(ug/l)	R	2J	2J	2U
Pyrene	(ug/l)	2.4J	2J	2J	2U
Butylbenzylphthalate	(ug/l)	R	10U	10U	2U
3,3'-Dichlorobenzidine	(ug/l)	R	10U	10U	R
Benzo(a)anthracene	(ug/l)	R	10U	10U	1U
Chrysene	(ug/l)	R	10U	10U	1U
bis(2-Ethylhexyl) phthalate	(ug/l)	R	10U	10U	10U
Di-n-octylphthalate	(ug/l)	R	10U	10UJ	2U
Benzo(b)fluoranthene	(ug/l)	R	10U	10U	1U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01856 11/19/2001 Primary	MW-002 A18N0 12/10/2003 Primary	MW-002 A18Q9 12/10/2003 Duplicate 1	MW-003 D01857 11/16/2001 Primary
Benzo(k)fluoranthene	(ug/l)	R	10U	10U	10U
Benzo(a)pyrene	(ug/l)	R	10U	10U	1U
Indeno(1,2,3-cd)pyrene	(ug/l)	R	10U	10U	1U
Dibenzo(a,h)anthracene	(ug/l)	R	10U	10U	1U
Benzo(g,h,i)perylene	(ug/l)	R	10U	10U	2U
2,3,5,6-Tetrachlorophenol	(ug/l)	91J			2.6J
2,6-Dimethylphenol	(ug/l)	R			2UJ
3,4-Dimethylphenol	(ug/l)	R			2UJ

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-003	MW-004	MW-004	MW-005A
	SAMPLE ID	A18N1	D01858	A18N2	D01859
	DATE	12/11/2003	11/13/2001	12/12/2003	11/15/2001
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzaldehyde	(ug/l)	10UJ	2UJ	10U	2UJ
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	10U	1U	10U	1U
bis(2-Chloroethyl) ether	(ug/l)	10U	2U	10U	2UJ
2-Methylphenol	(ug/l)	10U	2U	10U	2U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U	2U	10U	2UJ
Acetophenone	(ug/l)	10U	0.2UJ	10U	2UJ
4-Methylphenol	(ug/l)	10U	2U	10U	2U
N-Nitrosodi-n-propylamine	(ug/l)	10U	2U	10U	2UJ
Hexachloroethane	(ug/l)	10U	1U	10U	1UJ
Nitrobenzene	(ug/l)	10U	0.2UJ	10U	2UJ
Isophorone	(ug/l)	10U	2U	10U	2UJ
2-Nitrophenol	(ug/l)	10U	2U	10U	2U
2,4-Dimethylphenol	(ug/l)	10U	2UJ	10U	2UJ
Bis(2-chloroethoxy) methane	(ug/l)	10U	2U	10U	2UJ
2,4-Dichlorophenol	(ug/l)	10U	2U	10U	2U
Naphthalene	(ug/l)	3J	0.019UJ	10U	1.7J
4-Chloroaniline	(ug/l)	10U	10UJ	10U	10UJ
Hexachlorobutadiene	(ug/l)	10U	2U	10U	2UJ
Caprolactam	(ug/l)	10U	2U	10U	2UJ
4-Chloro-3-methylphenol	(ug/l)	10U	2U	10U	2U
2-Methylnaphthalene	(ug/l)	20	2U	10U	26J
Hexachlorocyclopentadiene	(ug/l)	10UJ	R	10U	R
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	0.9J	25U	25U	25U
1,1'-Biphenyl	(ug/l)	2J	2U	10U	3.9J
2-Chloronaphthalene	(ug/l)	10U	2U	10U	2UJ
2-Nitroaniline	(ug/l)	25U	10U	25U	10UJ
Dimethylphthalate	(ug/l)	10U	R	10U	R
2,6-Dinitrotoluene	(ug/l)	10U	1U	10U	1UJ

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-003 A18N1 12/11/2003 Primary	MW-004 D01858 11/13/2001 Primary	MW-004 A18N2 12/12/2003 Primary	MW-005A D01859 11/15/2001 Primary
Acenaphthylene	(ug/l)	10U	2U	10U	2UJ
3-Nitroaniline	(ug/l)	25U	25U	25U	25UJ
Acenaphthene	(ug/l)	5J	2U	10U	2.5J
2,4-Dinitrophenol	(ug/l)	25UJ	10U	25UJ	10U
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	3J	1U	10U	2J
2,4-Dinitrotoluene	(ug/l)	10U	2U	10U	2UJ
Diethylphthalate	(ug/l)	10U	2U	10U	2UJ
Fluorene	(ug/l)	2J	1U	10U	4.1J
4-chlorophenyl-phenylether	(ug/l)	10U	2U	10U	2UJ
4-Nitroaniline	(ug/l)	25U	10U	25U	10UJ
4,6-Dinitro-2-methylphenol	(ug/l)	25UJ	10U	25UJ	10U
N-Nitrosodiphenylamine	(ug/l)	10U	2U	10U	2UJ
4-Bromophenyl phenylether	(ug/l)	10U	2U	10U	2UJ
Hexachlorobenzene	(ug/l)	10U	0.2UJ	10U	2UJ
Atrazine	(ug/l)	R	2U	R	2UJ
Pentachlorophenol	(ug/l)	940	0.28J	25U	1800J
Phenanthrene	(ug/l)	3J	2U	10U	2UJ
Anthracene	(ug/l)	10U	1U	10U	2.5J
Carbazole	(ug/l)	10U	1U	10U	1UJ
Di-n-butylphthalate	(ug/l)	10U	2U	10U	2UJ
Fluoranthene	(ug/l)	10U	2U	10U	2UJ
Pyrene	(ug/l)	10U	2U	10U	0.36J
Butylbenzylphthalate	(ug/l)	10U	0.34J	10U	2UJ
3,3'-Dichlorobenzidine	(ug/l)	10U	R	10U	R
Benzo(a)anthracene	(ug/l)	10U	0.2UJ	10U	1UJ
Chrysene	(ug/l)	10U	1U	10U	1UJ
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	10U	10UJ
Di-n-octylphthalate	(ug/l)	10U	2U	10UJ	2UJ
Benzo(b)fluoranthene	(ug/l)	10U	0.2UJ	10U	1UJ

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-003 A18N1 12/11/2003 Primary	MW-004 D01858 11/13/2001 Primary	MW-004 A18N2 12/12/2003 Primary	MW-005A D01859 11/15/2001 Primary
Benzo(k)fluoranthene	(ug/l)	10U	0.2UJ	10U	10UJ
Benzo(a)pyrene	(ug/l)	10U	0.2UJ	10U	1UJ
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	0.2UJ	10U	1UJ
Dibenzo(a,h)anthracene	(ug/l)	10U	0.2UJ	10U	1UJ
Benzo(g,h,i)perylene	(ug/l)	10U	2U	10U	2UJ
2,3,5,6-Tetrachlorophenol	(ug/l)		2UJ		11J
2,6-Dimethylphenol	(ug/l)		2UJ		2UJ
3,4-Dimethylphenol	(ug/l)		2UJ		2UJ

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-005A D01860 11/15/2001 Duplicate 1	MW-005A A18N3 12/15/2003 Primary	MW-005B D01861 11/14/2001 Primary	MW-005B A18N4 12/11/2003 Primary
Benzaldehyde	(ug/l)	2UJ	10UJ	2UJ	10U
Phenol	(ug/l)	10U	10UJ	10U	10U
2-Chlorophenol	(ug/l)	1U	10UJ	1U	10U
bis(2-Chloroethyl) ether	(ug/l)	2U	10UJ	2U	10U
2-Methylphenol	(ug/l)	2U	10UJ	2U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	2U	10UJ	2U	10U
Acetophenone	(ug/l)	2U	10UJ	0.2UJ	10U
4-Methylphenol	(ug/l)	2U	10UJ	2U	10U
N-Nitrosodi-n-propylamine	(ug/l)	2U	10UJ	2U	10U
Hexachloroethane	(ug/l)	1U	10UJ	1U	10U
Nitrobenzene	(ug/l)	2U	10UJ	0.2UJ	10U
Isophorone	(ug/l)	2U	10UJ	2U	10U
2-Nitrophenol	(ug/l)	2U	10UJ	2U	10U
2,4-Dimethylphenol	(ug/l)	2UJ	10UJ	2UJ	10U
Bis(2-chloroethoxy) methane	(ug/l)	2U	10UJ	2U	10U
2,4-Dichlorophenol	(ug/l)	2U	10UJ	2U	10U
Naphthalene	(ug/l)	2U	2J	0.021UJ	10U
4-Chloroaniline	(ug/l)	10UJ	10UJ	10UJ	10U
Hexachlorobutadiene	(ug/l)	2U	10UJ	2U	10U
Caprolactam	(ug/l)	2U	10UJ	2U	10U
4-Chloro-3-methylphenol	(ug/l)	2U	10UJ	2U	10U
2-Methylnaphthalene	(ug/l)	7.8J	28J	2U	10U
Hexachlorocyclopentadiene	(ug/l)	R	10UJ	R	10U
2,4,6-Trichlorophenol	(ug/l)	10U	10UJ	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25U	0.9J	0.64J	25U
1,1'-Biphenyl	(ug/l)	2.2	3J	2U	10U
2-Chloronaphthalene	(ug/l)	2U	10UJ	2U	10U
2-Nitroaniline	(ug/l)	10U	25UJ	10U	25U
Dimethylphthalate	(ug/l)	R	10UJ	R	10U
2,6-Dinitrotoluene	(ug/l)	1U	10UJ	1U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-005A	MW-005A	MW-005B	MW-005B
	SAMPLE ID	D01860	A18N3	D01861	A18N4
	DATE	11/15/2001	12/15/2003	11/14/2001	12/11/2003
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Acenaphthylene	(ug/l)	2U	10UJ	2U	10U
3-Nitroaniline	(ug/l)	25U	25UJ	25U	25U
Acenaphthene	(ug/l)	2.5	3J	2U	10U
2,4-Dinitrophenol	(ug/l)	10U	25UJ	10U	25UJ
4-Nitrophenol	(ug/l)	25U	25UJ	25U	25U
Dibenzofuran	(ug/l)	1.2	2J	1U	10U
2,4-Dinitrotoluene	(ug/l)	2U	10UJ	2U	10U
Diethylphthalate	(ug/l)	2U	10UJ	2U	10U
Fluorene	(ug/l)	2.3J	4J	1U	10U
4-chlorophenyl-phenylether	(ug/l)	2U	10UJ	2U	10U
4-Nitroaniline	(ug/l)	10U	25UJ	10U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	25UJ	10U	25UJ
N-Nitrosodiphenylamine	(ug/l)	2U	10UJ	2U	10U
4-Bromophenyl phenylether	(ug/l)	2U	10UJ	2U	10U
Hexachlorobenzene	(ug/l)	2U	10UJ	0.2UJ	10U
Atrazine	(ug/l)	2U	R	2U	R
Pentachlorophenol	(ug/l)	1800J	1200J	26	30
Phenanthrene	(ug/l)	2U	4J	2U	10U
Anthracene	(ug/l)	1.8	10UJ	1U	10U
Carbazole	(ug/l)	1U	10UJ	1U	10U
Di-n-butylphthalate	(ug/l)	2U	10UJ	2U	10U
Fluoranthene	(ug/l)	2U	10UJ	2U	10U
Pyrene	(ug/l)	0.31J	10UJ	2U	10U
Butylbenzylphthalate	(ug/l)	2U	10UJ	0.37J	10U
3,3'-Dichlorobenzidine	(ug/l)	R	10UJ	R	10U
Benzo(a)anthracene	(ug/l)	1U	10UJ	0.2UJ	10U
Chrysene	(ug/l)	1U	10UJ	1U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10UJ	10U	30U
Di-n-octylphthalate	(ug/l)	2U	10UJ	2U	10UJ
Benzo(b)fluoranthene	(ug/l)	1U	10UJ	0.2UJ	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-005A	MW-005A	MW-005B	MW-005B
	SAMPLE ID	D01860	A18N3	D01861	A18N4
	DATE	11/15/2001	12/15/2003	11/14/2001	12/11/2003
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Benzo(k)fluoranthene	(ug/l)	10U	10UJ	0.2UJ	10U
Benzo(a)pyrene	(ug/l)	1U	10UJ	0.2UJ	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	1U	10UJ	0.2UJ	10U
Dibenzo(a,h)anthracene	(ug/l)	1U	10UJ	0.2UJ	10U
Benzo(g,h,i)perylene	(ug/l)	2U	10UJ	2U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	8.8J		1.5J	
2,6-Dimethylphenol	(ug/l)	2UJ		2UJ	
3,4-Dimethylphenol	(ug/l)	2UJ		2UJ	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-006 D01862 11/15/2001 Primary	MW-006 A18N5 12/16/2003 Primary	MW-007A D01863 11/15/2001 Primary	MW-007A A18N6 12/16/2003 Primary
Benzaldehyde	(ug/l)	2UJ	10UJ	2UJ	10UJ
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	1U	10U	1U	10U
bis(2-Chloroethyl) ether	(ug/l)	2U	10U	2U	10U
2-Methylphenol	(ug/l)	2U	2J	2U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	2U	10UJ	2U	10UJ
Acetophenone	(ug/l)	2U	10U	2U	10U
4-Methylphenol	(ug/l)	2U	10U	2U	10U
N-Nitrosodi-n-propylamine	(ug/l)	2U	10U	2U	10U
Hexachloroethane	(ug/l)	1U	10U	1U	10U
Nitrobenzene	(ug/l)	2U	10U	2U	10U
Isophorone	(ug/l)	2U	10U	2U	10U
2-Nitrophenol	(ug/l)	2U	10U	2U	10U
2,4-Dimethylphenol	(ug/l)	2UJ	10U	2UJ	10U
Bis(2-chloroethoxy) methane	(ug/l)	2U	10U	2U	10U
2,4-Dichlorophenol	(ug/l)	2U	10U	2U	10U
Naphthalene	(ug/l)	27	10U	0.4J	10U
4-Chloroaniline	(ug/l)	10UJ	10U	10UJ	10U
Hexachlorobutadiene	(ug/l)	2U	10U	2U	10U
Caprolactam	(ug/l)	2U	10U	2U	10U
4-Chloro-3-methylphenol	(ug/l)	2U	10U	2U	10U
2-Methylnaphthalene	(ug/l)	84J	2J	2.4	10U
Hexachlorocyclopentadiene	(ug/l)	R	10UJ	R	10UJ
2,4,6-Trichlorophenol	(ug/l)	10U	10U	0.5J	10U
2,4,5-Trichlorophenol	(ug/l)	2.4J	7J	6.7J	10J
1,1'-Biphenyl	(ug/l)	6	3J	0.33J	10U
2-Chloronaphthalene	(ug/l)	2U	10U	2U	10U
2-Nitroaniline	(ug/l)	10U	25U	10U	25U
Dimethylphthalate	(ug/l)	R	10U	R	10U
2,6-Dinitrotoluene	(ug/l)	1U	10U	1U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-006	MW-006	MW-007A	MW-007A
	SAMPLE ID	D01862	A18N5	D01863	A18N6
	DATE	11/15/2001	12/16/2003	11/15/2001	12/16/2003
	RESULT TYPE	Primary	Primary	Primary	Primary
Acenaphthylene	(ug/l)	2U	10U	2U	10U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	6.6	5J	0.53J	0.6J
2,4-Dinitrophenol	(ug/l)	10U	25UJ	10U	25UJ
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	4.8	1J	1U	10U
2,4-Dinitrotoluene	(ug/l)	2U	10U	2U	10U
Diethylphthalate	(ug/l)	2U	10U	2U	10U
Fluorene	(ug/l)	6.4	4J	1U	10U
4-chlorophenyl-phenylether	(ug/l)	2U	10U	2U	10U
4-Nitroaniline	(ug/l)	10U	25U	10U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	25U	10U	25U
N-Nitrosodiphenylamine	(ug/l)	2U	10U	2U	10U
4-Bromophenyl phenylether	(ug/l)	2U	10U	2U	10U
Hexachlorobenzene	(ug/l)	2U	10U	2U	10U
Atrazine	(ug/l)	2U	R	2U	R
Pentachlorophenol	(ug/l)	5500J	9400J	5100J	2800J
Phenanthrene	(ug/l)	6.9	11	2U	10U
Anthracene	(ug/l)	1U	10U	1U	10U
Carbazole	(ug/l)	1U	10U	1U	10U
Di-n-butylphthalate	(ug/l)	2U	10U	2U	10U
Fluoranthene	(ug/l)	2U	10U	2U	10U
Pyrene	(ug/l)	0.31J	10U	2U	10U
Butylbenzylphthalate	(ug/l)	2U	10U	0.26J	10U
3,3'-Dichlorobenzidine	(ug/l)	R	10U	R	10U
Benzo(a)anthracene	(ug/l)	1U	10U	1U	10U
Chrysene	(ug/l)	1U	10U	1U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	10U	10U
Di-n-octylphthalate	(ug/l)	2UJ	10UJ	2UJ	10UJ
Benzo(b)fluoranthene	(ug/l)	1UJ	10U	1UJ	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-006 D01862 11/15/2001 Primary	MW-006 A18N5 12/16/2003 Primary	MW-007A D01863 11/15/2001 Primary	MW-007A A18N6 12/16/2003 Primary
Benzo(k)fluoranthene	(ug/l)	10UJ	10U	10UJ	10U
Benzo(a)pyrene	(ug/l)	1UJ	10U	1UJ	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	1UJ	10U	1UJ	10U
Dibenzo(a,h)anthracene	(ug/l)	1UJ	10U	1UJ	10U
Benzo(g,h,i)perylene	(ug/l)	2UJ	10U	2UJ	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	200J		50J	
2,6-Dimethylphenol	(ug/l)	2UJ		2UJ	
3,4-Dimethylphenol	(ug/l)	2UJ		2UJ	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-007B D02002 11/15/2001 Primary	MW-007B A18N7 12/16/2003 Primary	MW-008A D01864 11/13/2001 Primary	MW-008A A18N8 12/18/2003 Primary
Benzaldehyde	(ug/l)	2UJ	10U	2UJ	10U
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	1U	10U	1U	10U
bis(2-Chloroethyl) ether	(ug/l)	2U	10U	2U	10U
2-Methylphenol	(ug/l)	2U	10U	2U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	2U	10U	2U	10U
Acetophenone	(ug/l)	2U	10U	2U	10U
4-Methylphenol	(ug/l)	2U	10U	2U	10U
N-Nitrosodi-n-propylamine	(ug/l)	2U	10U	2U	10U
Hexachloroethane	(ug/l)	1U	10U	1U	10U
Nitrobenzene	(ug/l)	2U	10U	2U	10U
Isophorone	(ug/l)	2U	10U	2U	10U
2-Nitrophenol	(ug/l)	2U	10U	2U	10U
2,4-Dimethylphenol	(ug/l)	2UJ	10U	2UJ	10U
Bis(2-chloroethoxy) methane	(ug/l)	2U	10U	2U	10U
2,4-Dichlorophenol	(ug/l)	2U	10U	2U	10U
Naphthalene	(ug/l)	5.3	7J	11	10U
4-Chloroaniline	(ug/l)	10UJ	10U	10UJ	10U
Hexachlorobutadiene	(ug/l)	2U	10U	2U	10U
Caprolactam	(ug/l)	2U	10U	2U	15
4-Chloro-3-methylphenol	(ug/l)	2U	10U	2U	10U
2-Methylnaphthalene	(ug/l)	11	21	5.3	10U
Hexachlorocyclopentadiene	(ug/l)	R	10U	R	10U
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	1.9J	3J	25U	1J
1,1'-Biphenyl	(ug/l)	1.6J	2J	2	10U
2-Chloronaphthalene	(ug/l)	2U	10U	2U	10U
2-Nitroaniline	(ug/l)	10U	25U	10U	25U
Dimethylphthalate	(ug/l)	R	10U	R	10U
2,6-Dinitrotoluene	(ug/l)	1U	10U	1U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-007B	MW-007B	MW-008A	MW-008A
	SAMPLE ID	D02002	A18N7	D01864	A18N8
	DATE	11/15/2001	12/16/2003	11/13/2001	12/18/2003
	RESULT TYPE	Primary	Primary	Primary	Primary
Acenaphthylene	(ug/l)	2U	10U	2U	10U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	1.1J	2J	2.2	0.7J
2,4-Dinitrophenol	(ug/l)	10U	25U	10U	25U
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	1.2	2J	2.3	1J
2,4-Dinitrotoluene	(ug/l)	2U	10U	2U	10U
Diethylphthalate	(ug/l)	2U	4J	2U	6JB
Fluorene	(ug/l)	1.8	3J	3	2J
4-chlorophenyl-phenylether	(ug/l)	2U	10U	2U	10U
4-Nitroaniline	(ug/l)	10U	25U	10U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	25U	10U	25U
N-Nitrosodiphenylamine	(ug/l)	2U	10U	2U	10U
4-Bromophenyl phenylether	(ug/l)	2U	10U	2U	10U
Hexachlorobenzene	(ug/l)	2U	10U	2U	10U
Atrazine	(ug/l)	2U	10U	2U	10U
Pentachlorophenol	(ug/l)	2600J	1800	3700J	500
Phenanthrene	(ug/l)	1.6J	4J	5.7	0.5J
Anthracene	(ug/l)	1U	10U	0.29J	0.5J
Carbazole	(ug/l)	1U	10U	1U	10U
Di-n-butylphthalate	(ug/l)	2U	3JB	2U	1JB
Fluoranthene	(ug/l)	2U	10U	2U	10U
Pyrene	(ug/l)	2U	10U	0.26J	10U
Butylbenzylphthalate	(ug/l)	2U	10U	2U	0.6J
3,3'-Dichlorobenzidine	(ug/l)	R	10U	R	10U
Benzo(a)anthracene	(ug/l)	1U	10U	1U	10U
Chrysene	(ug/l)	1U	10U	1U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	1JB	10U	1JB
Di-n-octylphthalate	(ug/l)	2U	10U	2U	10U
Benzo(b)fluoranthene	(ug/l)	1U	10U	1U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-007B D02002 11/15/2001 Primary	MW-007B A18N7 12/16/2003 Primary	MW-008A D01864 11/13/2001 Primary	MW-008A A18N8 12/18/2003 Primary
Benzo(k)fluoranthene	(ug/l)	10U	10U	10U	10U
Benzo(a)pyrene	(ug/l)	1U	10U	1U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	1U	10U	1U	10U
Dibenzo(a,h)anthracene	(ug/l)	1U	10U	1U	10U
Benzo(g,h,i)perylene	(ug/l)	2U	10U	2U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	24J		40J	
2,6-Dimethylphenol	(ug/l)	2UJ		2UJ	
3,4-Dimethylphenol	(ug/l)	2UJ		2UJ	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-008B D01865 11/14/2001 Primary	MW-008B A18N9 12/18/2003 Primary	MW-009A D01866 11/16/2001 Primary	MW-009B D01867 11/14/2001 Primary
Benzaldehyde	(ug/l)	2UJ	10U	2UJ	2UJ
Phenol	(ug/l)	R	10U	10U	10U
2-Chlorophenol	(ug/l)	R	10U	1U	1U
bis(2-Chloroethyl) ether	(ug/l)	2U	10U	2U	2U
2-Methylphenol	(ug/l)	R	10U	2U	2U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	2U	10U	2U	2U
Acetophenone	(ug/l)	0.2UJ	10U	0.2UJ	2U
4-Methylphenol	(ug/l)	R	10U	2U	2U
N-Nitrosodi-n-propylamine	(ug/l)	2U	10U	2U	2U
Hexachloroethane	(ug/l)	1U	10U	1U	1U
Nitrobenzene	(ug/l)	0.2UJ	10U	0.2UJ	2U
Isophorone	(ug/l)	2.0U	10U	2U	2U
2-Nitrophenol	(ug/l)	R	10U	2U	2U
2,4-Dimethylphenol	(ug/l)	R	10U	2UJ	2UJ
Bis(2-chloroethoxy) methane	(ug/l)	2U	10U	2U	2U
2,4-Dichlorophenol	(ug/l)	R	10U	2U	2U
Naphthalene	(ug/l)	0.021UJ	10U	0.017UJ	2U
4-Chloroaniline	(ug/l)	10UJ	10U	10UJ	10UJ
Hexachlorobutadiene	(ug/l)	2U	10U	2U	2U
Caprolactam	(ug/l)	2U	14	2U	2U
4-Chloro-3-methylphenol	(ug/l)	R	10U	2U	2U
2-Methylnaphthalene	(ug/l)	2U	10U	2U	2U
Hexachlorocyclopentadiene	(ug/l)	R	10U	R	R
2,4,6-Trichlorophenol	(ug/l)	R	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	R	25U	25U	25U
1,1'-Biphenyl	(ug/l)	2U	10U	2U	2U
2-Chloronaphthalene	(ug/l)	2U	10U	2U	2U
2-Nitroaniline	(ug/l)	10U	25U	10U	10U
Dimethylphthalate	(ug/l)	R	10U	R	R
2,6-Dinitrotoluene	(ug/l)	1U	10U	1U	1U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-008B D01865 11/14/2001 Primary	MW-008B A18N9 12/18/2003 Primary	MW-009A D01866 11/16/2001 Primary	MW-009B D01867 11/14/2001 Primary
Acenaphthylene	(ug/l)	2U	10U	2U	2U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	2U	10U	2U	2U
2,4-Dinitrophenol	(ug/l)	R	25U	10U	10U
4-Nitrophenol	(ug/l)	R	25U	25U	25U
Dibenzofuran	(ug/l)	1U	10U	1U	1U
2,4-Dinitrotoluene	(ug/l)	2U	10U	2U	2U
Diethylphthalate	(ug/l)	2U	8JB	2U	2U
Fluorene	(ug/l)	1U	10U	1U	1U
4-chlorophenyl-phenylether	(ug/l)	2U	10U	2U	2U
4-Nitroaniline	(ug/l)	10U	25U	10U	10U
4,6-Dinitro-2-methylphenol	(ug/l)	R	25U	10U	10U
N-Nitrosodiphenylamine	(ug/l)	2U	10U	2U	2U
4-Bromophenyl phenylether	(ug/l)	2U	10U	2U	2U
Hexachlorobenzene	(ug/l)	0.2UJ	10U	0.2UJ	2U
Atrazine	(ug/l)	2U	10U	2U	2U
Pentachlorophenol	(ug/l)	44J	110	20	480
Phenanthrene	(ug/l)	2U	10U	2U	2U
Anthracene	(ug/l)	1U	10U	1U	1U
Carbazole	(ug/l)	1U	10U	1U	1U
Di-n-butylphthalate	(ug/l)	0.28J	1JB	0.27J	0.27J
Fluoranthene	(ug/l)	2U	10U	2U	2U
Pyrene	(ug/l)	0.3J	10U	2U	0.26J
Butylbenzylphthalate	(ug/l)	1.1J	10U	0.48J	0.81J
3,3'-Dichlorobenzidine	(ug/l)	R	10U	R	R
Benzo(a)anthracene	(ug/l)	0.48J	10U	0.2UJ	0.34J
Chrysene	(ug/l)	0.45J	10U	1U	0.33J
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	1JB	10U	10U
Di-n-octylphthalate	(ug/l)	1.2J	10U	2U	0.74J
Benzo(b)fluoranthene	(ug/l)	0.8J	10U	0.2UJ	0.66J

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-008B D01865 11/14/2001 Primary	MW-008B A18N9 12/18/2003 Primary	MW-009A D01866 11/16/2001 Primary	MW-009B D01867 11/14/2001 Primary
Benzo(k)fluoranthene	(ug/l)	0.62J	10U	0.2UJ	0.26J
Benzo(a)pyrene	(ug/l)	0.31J	10U	0.2UJ	1U
Indeno(1,2,3-cd)pyrene	(ug/l)	0.2UJ	10U	0.2UJ	1U
Dibenzo(a,h)anthracene	(ug/l)	0.2UJ	10U	0.2UJ	1U
Benzo(g,h,i)perylene	(ug/l)	2U	10U	2U	2U
2,3,5,6-Tetrachlorophenol	(ug/l)	0.25J		2UJ	6.2J
2,6-Dimethylphenol	(ug/l)	R		2UJ	2UJ
3,4-Dimethylphenol	(ug/l)	R		2UJ	2UJ

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-009B A18P0 12/17/2003 Primary	MW-009B A18R0 12/17/2003 Duplicate 1	MW-010 D01868 11/14/2001 Primary	MW-010 A18P1 12/16/2003 Primary
Benzaldehyde	(ug/l)	10U	10U	2UJ	10U
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	10U	10U	1U	10U
bis(2-Chloroethyl) ether	(ug/l)	10U	10U	2U	10U
2-Methylphenol	(ug/l)	10U	10U	2U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U	10U	2U	10U
Acetophenone	(ug/l)	10U	10U	0.36J	10U
4-Methylphenol	(ug/l)	10U	10U	2U	10U
N-Nitrosodi-n-propylamine	(ug/l)	10U	10U	2U	10U
Hexachloroethane	(ug/l)	10U	10U	1U	10U
Nitrobenzene	(ug/l)	10U	10U	2U	10U
Isophorone	(ug/l)	10U	10U	2U	10U
2-Nitrophenol	(ug/l)	10U	10U	2U	10U
2,4-Dimethylphenol	(ug/l)	10U	10U	2UJ	10U
Bis(2-chloroethoxy) methane	(ug/l)	10U	10U	2U	10U
2,4-Dichlorophenol	(ug/l)	10U	10U	2U	10U
Naphthalene	(ug/l)	10U	10U	2.4	10U
4-Chloroaniline	(ug/l)	10U	10U	10UJ	10U
Hexachlorobutadiene	(ug/l)	10U	10U	2U	10U
Caprolactam	(ug/l)	10U	10U	2U	10U
4-Chloro-3-methylphenol	(ug/l)	10U	10U	2U	10U
2-Methylnaphthalene	(ug/l)	10U	10U	2U	10U
Hexachlorocyclopentadiene	(ug/l)	10U	10U	R	10U
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25U	25U	0.57J	0.9J
1,1'-Biphenyl	(ug/l)	10U	10U	1.3J	10U
2-Chloronaphthalene	(ug/l)	10U	10U	2U	10U
2-Nitroaniline	(ug/l)	25U	25U	10U	25U
Dimethylphthalate	(ug/l)	10U	10U	R	10U
2,6-Dinitrotoluene	(ug/l)	10U	10U	1U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-009B A18P0 12/17/2003 Primary	MW-009B A18R0 12/17/2003 Duplicate 1	MW-010 D01868 11/14/2001 Primary	MW-010 A18P1 12/16/2003 Primary
Acenaphthylene	(ug/l)	10U	10U	2U	10U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	10U	10U	0.72J	10U
2,4-Dinitrophenol	(ug/l)	25U	25U	10U	25U
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	10U	10U	1	10U
2,4-Dinitrotoluene	(ug/l)	10U	10U	2U	10U
Diethylphthalate	(ug/l)	4JB	10U	2U	0.9J
Fluorene	(ug/l)	10U	10U	2.2	10U
4-chlorophenyl-phenylether	(ug/l)	10U	10U	2U	10U
4-Nitroaniline	(ug/l)	25U	25U	10U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	25U	25U	10U	25U
N-Nitrosodiphenylamine	(ug/l)	10U	10U	2U	10U
4-Bromophenyl phenylether	(ug/l)	10U	10U	2U	10U
Hexachlorobenzene	(ug/l)	10U	10U	2U	10U
Atrazine	(ug/l)	10U	10U	2U	10U
Pentachlorophenol	(ug/l)	860	800	2700J	1800
Phenanthrene	(ug/l)	10U	10U	0.61J	10U
Anthracene	(ug/l)	10U	10U	1U	10U
Carbazole	(ug/l)	10U	10U	1U	10U
Di-n-butylphthalate	(ug/l)	0.7JB	0.7J	2U	2JB
Fluoranthene	(ug/l)	10U	10U	2U	10U
Pyrene	(ug/l)	10U	10U	2U	10U
Butylbenzylphthalate	(ug/l)	10U	10U	2U	10U
3,3'-Dichlorobenzidine	(ug/l)	10U	10U	R	10U
Benzo(a)anthracene	(ug/l)	10U	10U	1U	10U
Chrysene	(ug/l)	10U	10U	1U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	1JB	10U	10U	2JB
Di-n-octylphthalate	(ug/l)	10U	10U	2U	10U
Benzo(b)fluoranthene	(ug/l)	10U	10U	1U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-009B	MW-009B	MW-010	MW-010
	SAMPLE ID	A18P0	A18R0	D01868	A18P1
	DATE	12/17/2003	12/17/2003	11/14/2001	12/16/2003
	RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Benzo(k)fluoranthene	(ug/l)	10U	10U	10U	10U
Benzo(a)pyrene	(ug/l)	10U	10U	1U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	10U	1U	10U
Dibenzo(a,h)anthracene	(ug/l)	10U	10U	1U	10U
Benzo(g,h,i)perylene	(ug/l)	10U	10U	2U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)			23J	
2,6-Dimethylphenol	(ug/l)			2UJ	
3,4-Dimethylphenol	(ug/l)			2UJ	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-011 D01869 11/16/2001 Primary	MW-012 D01870 11/19/2001 Primary	MW-101R A18P2 12/15/2003 Primary	MW-101R A18R8 10/14/2004 Primary
Benzaldehyde	(ug/l)	2UJ	2UJ	10U	10U
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	1U	1U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)	2U	2U	10U	10U
2-Methylphenol	(ug/l)	2U	2U	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	2U	2U	10U	10U
Acetophenone	(ug/l)	2U	2U	10U	10U
4-Methylphenol	(ug/l)	2U	2U	10U	10U
N-Nitrosodi-n-propylamine	(ug/l)	2U	2U	10U	10U
Hexachloroethane	(ug/l)	1U	1U	10U	10U
Nitrobenzene	(ug/l)	2U	2U	10U	10U
Isophorone	(ug/l)	2U	2U	10U	10U
2-Nitrophenol	(ug/l)	2U	2U	10U	10U
2,4-Dimethylphenol	(ug/l)	2UJ	2UJ	10U	10U
Bis(2-chloroethoxy) methane	(ug/l)	2U	2U	10U	10U
2,4-Dichlorophenol	(ug/l)	2U	2U	10U	10U
Naphthalene	(ug/l)	0.016UJ	13	10U	2J
4-Chloroaniline	(ug/l)	10UJ	10UJ	10U	10U
Hexachlorobutadiene	(ug/l)	2U	2U	10U	10U
Caprolactam	(ug/l)	2U	2U	10U	10U
4-Chloro-3-methylphenol	(ug/l)	2U	2U	10U	10U
2-Methylnaphthalene	(ug/l)	2U	77J	10U	4J
Hexachlorocyclopentadiene	(ug/l)	R	R	10U	10U
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25U	25U	1J	25U
1,1'-Biphenyl	(ug/l)	2U	5.3	0.6J	2J
2-Chloronaphthalene	(ug/l)	2U	2U	10U	10U
2-Nitroaniline	(ug/l)	10U	10U	25U	25U
Dimethylphthalate	(ug/l)	R	R	10U	10U
2,6-Dinitrotoluene	(ug/l)	1U	1U	10U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-011	MW-012	MW-101R	MW-101R
	SAMPLE ID	D01869	D01870	A18P2	A18R8
	DATE	11/16/2001	11/19/2001	12/15/2003	10/14/2004
	RESULT TYPE	Primary	Primary	Primary	Primary
Acenaphthylene	(ug/l)	2U	2U	10U	10U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	2U	3.9	10U	10U
2,4-Dinitrophenol	(ug/l)	10U	10U	25U	25U
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	1U	2.9	10U	10U
2,4-Dinitrotoluene	(ug/l)	2U	2U	10U	10U
Diethylphthalate	(ug/l)	2U	2U	0.9J	10U
Fluorene	(ug/l)	1U	5.1	10U	10U
4-chlorophenyl-phenylether	(ug/l)	2U	2U	10U	10U
4-Nitroaniline	(ug/l)	10U	10U	25U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	10U	25U	25U
N-Nitrosodiphenylamine	(ug/l)	2U	2U	10U	10U
4-Bromophenyl phenylether	(ug/l)	2U	2U	10U	10U
Hexachlorobenzene	(ug/l)	2U	2U	10U	10U
Atrazine	(ug/l)	2U	2U	10U	10U
Pentachlorophenol	(ug/l)	10UJ	3100J	3000	2600
Phenanthrene	(ug/l)	2U	7.2	10U	10U
Anthracene	(ug/l)	1U	1U	10U	10U
Carbazole	(ug/l)	1U	1U	10U	10U
Di-n-butylphthalate	(ug/l)	2U	2U	3JB	10U
Fluoranthene	(ug/l)	2U	2U	10U	10U
Pyrene	(ug/l)	2U	2U	10U	10U
Butylbenzylphthalate	(ug/l)	2U	2U	10U	10U
3,3'-Dichlorobenzidine	(ug/l)	R	R	10U	10U
Benzo(a)anthracene	(ug/l)	1U	1U	10U	10U
Chrysene	(ug/l)	1U	1U	10U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	2JB	10U
Di-n-octylphthalate	(ug/l)	2U	2UJ	10U	10U
Benzo(b)fluoranthene	(ug/l)	1U	1UJ	10U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-011 D01869 11/16/2001 Primary	MW-012 D01870 11/19/2001 Primary	MW-101R A18P2 12/15/2003 Primary	MW-101R A18R8 10/14/2004 Primary
Benzo(k)fluoranthene	(ug/l)	10U	10UJ	10U	10U
Benzo(a)pyrene	(ug/l)	1U	1UJ	10U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	1U	1UJ	10U	10U
Dibenzo(a,h)anthracene	(ug/l)	1U	1UJ	10U	10U
Benzo(g,h,i)perylene	(ug/l)	2U	2UJ	10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	2UJ	27J		
2,6-Dimethylphenol	(ug/l)	2UJ	2UJ		
3,4-Dimethylphenol	(ug/l)	2UJ	2UJ		

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-101R	MW-103R	MW-103R	MW-105R
	SAMPLE ID	A18S0	A18P3	A18R9	A18P4
	DATE	10/14/2004	12/18/2003	10/14/2004	12/12/2003
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Benzaldehyde	(ug/l)	10U	10U	10U	10U
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	10U	10U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)	10U	10U	10U	10U
2-Methylphenol	(ug/l)	10U	10U	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U	10U	10U	10U
Acetophenone	(ug/l)	10U	10U	10U	10U
4-Methylphenol	(ug/l)	10U	10U	10U	10U
N-Nitrosodi-n-propylamine	(ug/l)	10U	10U	10U	10U
Hexachloroethane	(ug/l)	10U	10U	10U	10U
Nitrobenzene	(ug/l)	10U	10U	10U	10U
Isophorone	(ug/l)	10U	10U	10U	10U
2-Nitrophenol	(ug/l)	10U	10U	10U	10U
2,4-Dimethylphenol	(ug/l)	10U	10U	10U	10U
Bis(2-chloroethoxy) methane	(ug/l)	10U	10U	10U	10U
2,4-Dichlorophenol	(ug/l)	10U	10U	10U	10U
Naphthalene	(ug/l)	3J	10U	10U	10U
4-Chloroaniline	(ug/l)	10U	10U	10U	10U
Hexachlorobutadiene	(ug/l)	10U	10U	10U	10U
Caprolactam	(ug/l)	10U	10U	10U	10U
4-Chloro-3-methylphenol	(ug/l)	10U	10U	10U	10U
2-Methylnaphthalene	(ug/l)	4J	10U	10U	10U
Hexachlorocyclopentadiene	(ug/l)	10U	10U	10U	10U
2,4,6-Trichlorophenol	(ug/l)	10U	4J	4J	10U
2,4,5-Trichlorophenol	(ug/l)	25U	25U	25U	25U
1,1'-Biphenyl	(ug/l)	2J	10U	10U	10U
2-Chloronaphthalene	(ug/l)	10U	10U	10U	10U
2-Nitroaniline	(ug/l)	25U	25U	25U	25U
Dimethylphthalate	(ug/l)	10U	10U	10U	10U
2,6-Dinitrotoluene	(ug/l)	10U	10U	10U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-101R A18S0 10/14/2004 Duplicate 1	MW-103R A18P3 12/18/2003 Primary	MW-103R A18R9 10/14/2004 Primary	MW-105R A18P4 12/12/2003 Primary
Acenaphthylene	(ug/l)	10U	10U	10U	10U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	10U	10U	10U	10U
2,4-Dinitrophenol	(ug/l)	25U	25U	25U	25UJ
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	10U	10U	10U	10U
2,4-Dinitrotoluene	(ug/l)	10U	10U	10U	10U
Diethylphthalate	(ug/l)	10U	5JB	10U	10U
Fluorene	(ug/l)	1J	10U	10U	10U
4-chlorophenyl-phenylether	(ug/l)	10U	10U	10U	10U
4-Nitroaniline	(ug/l)	25U	25U	25U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	25U	25U	25U	25U
N-Nitrosodiphenylamine	(ug/l)	10U	10U	10U	10U
4-Bromophenyl phenylether	(ug/l)	10U	10U	10U	10U
Hexachlorobenzene	(ug/l)	10U	10U	10U	10U
Atrazine	(ug/l)	10U	10U	10U	R
Pentachlorophenol	(ug/l)	2700	200	180	350
Phenanthrene	(ug/l)	10U	10U	10U	10U
Anthracene	(ug/l)	10U	10U	10U	10U
Carbazole	(ug/l)	10U	10U	10U	10U
Di-n-butylphthalate	(ug/l)	10U	1JB	10U	10U
Fluoranthene	(ug/l)	10U	10U	10U	10U
Pyrene	(ug/l)	10U	10U	10U	10U
Butylbenzylphthalate	(ug/l)	10U	10U	10U	10U
3,3'-Dichlorobenzidine	(ug/l)	10U	10U	10U	10U
Benzo(a)anthracene	(ug/l)	10U	10U	10U	10U
Chrysene	(ug/l)	10U	10U	10U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	1JB	10U	39U
Di-n-octylphthalate	(ug/l)	10U	10U	10U	10U
Benzo(b)fluoranthene	(ug/l)	10U	10U	10U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-101R	MW-103R	MW-103R	MW-105R
	SAMPLE ID	A18S0	A18P3	A18R9	A18P4
	DATE	10/14/2004	12/18/2003	10/14/2004	12/12/2003
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Benzo(k)fluoranthene	(ug/l)	10U	10U	10U	10U
Benzo(a)pyrene	(ug/l)	10U	10U	10U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	10U	10U	10U
Dibenzo(a,h)anthracene	(ug/l)	10U	10U	10U	10U
Benzo(g,h,i)perylene	(ug/l)	10U	10U	10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)				
2,6-Dimethylphenol	(ug/l)				
3,4-Dimethylphenol	(ug/l)				

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-105R A18S1 10/14/2004 Primary	MW-107R A18S2 10/14/2004 Primary	MW-109R A18S3 10/14/2004 Primary	MW-111R A18S4 10/14/2004 Primary
Benzaldehyde	(ug/l)	10U	10U	10U	10U
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	10U	10U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)	10U	10U	10U	10U
2-Methylphenol	(ug/l)	10U	10U	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U	10U	10U	10U
Acetophenone	(ug/l)	10U	10U	10U	10U
4-Methylphenol	(ug/l)	10U	10U	10U	10U
N-Nitrosodi-n-propylamine	(ug/l)	10U	10U	10U	10U
Hexachloroethane	(ug/l)	10U	10U	10U	10U
Nitrobenzene	(ug/l)	10U	10U	10U	10U
Isophorone	(ug/l)	10U	10U	10U	10U
2-Nitrophenol	(ug/l)	10U	10U	10U	10U
2,4-Dimethylphenol	(ug/l)	10U	10U	10U	10U
Bis(2-chloroethoxy) methane	(ug/l)	10U	10U	10U	10U
2,4-Dichlorophenol	(ug/l)	10U	10U	10U	10U
Naphthalene	(ug/l)	10U	10U	10U	10U
4-Chloroaniline	(ug/l)	10U	10U	10U	10U
Hexachlorobutadiene	(ug/l)	10U	10U	10U	10U
Caprolactam	(ug/l)	10U	10U	10U	10U
4-Chloro-3-methylphenol	(ug/l)	10U	10U	10U	10U
2-Methylnaphthalene	(ug/l)	10U	10U	10U	10U
Hexachlorocyclopentadiene	(ug/l)	10U	10U	10U	10U
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25U	25U	25U	25U
1,1'-Biphenyl	(ug/l)	10U	10U	10U	10U
2-Chloronaphthalene	(ug/l)	10U	10U	10U	10U
2-Nitroaniline	(ug/l)	25U	25U	25U	25U
Dimethylphthalate	(ug/l)	10U	10U	10U	10U
2,6-Dinitrotoluene	(ug/l)	10U	10U	10U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-105R A18S1 10/14/2004 Primary	MW-107R A18S2 10/14/2004 Primary	MW-109R A18S3 10/14/2004 Primary	MW-111R A18S4 10/14/2004 Primary
Acenaphthylene	(ug/l)	10U	10U	10U	10U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	10U	10U	10U	10U
2,4-Dinitrophenol	(ug/l)	25U	25U	25U	25U
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	10U	10U	10U	10U
2,4-Dinitrotoluene	(ug/l)	10U	10U	10U	10U
Diethylphthalate	(ug/l)	10U	10U	10U	10U
Fluorene	(ug/l)	10U	10U	10U	10U
4-chlorophenyl-phenylether	(ug/l)	10U	10U	10U	10U
4-Nitroaniline	(ug/l)	25U	25U	25U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	25U	25U	25U	25U
N-Nitrosodiphenylamine	(ug/l)	10U	10U	10U	10U
4-Bromophenyl phenylether	(ug/l)	10U	10U	10U	10U
Hexachlorobenzene	(ug/l)	10U	10U	10U	10U
Atrazine	(ug/l)	10U	10U	10U	10U
Pentachlorophenol	(ug/l)	560	25U	25U	6J
Phenanthrene	(ug/l)	10U	10U	10U	10U
Anthracene	(ug/l)	10U	10U	10U	10U
Carbazole	(ug/l)	10U	10U	10U	10U
Di-n-butylphthalate	(ug/l)	10U	10U	10U	10U
Fluoranthene	(ug/l)	10U	10U	10U	10U
Pyrene	(ug/l)	10U	10U	10U	10U
Butylbenzylphthalate	(ug/l)	10U	10U	10U	10U
3,3'-Dichlorobenzidine	(ug/l)	10U	10U	10U	10U
Benzo(a)anthracene	(ug/l)	10U	10U	10U	10U
Chrysene	(ug/l)	10U	10U	10U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	10U	10U
Di-n-octylphthalate	(ug/l)	10U	10U	10U	10U
Benzo(b)fluoranthene	(ug/l)	10U	10U	10U	10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-105R	MW-107R	MW-109R	MW-111R
	SAMPLE ID	A18S1	A18S2	A18S3	A18S4
	DATE	10/14/2004	10/14/2004	10/14/2004	10/14/2004
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(k)fluoranthene	(ug/l)	10U	10U	10U	10U
Benzo(a)pyrene	(ug/l)	10U	10U	10U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	10U	10U	10U
Dibenzo(a,h)anthracene	(ug/l)	10U	10U	10U	10U
Benzo(g,h,i)perylene	(ug/l)	10U	10U	10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)				
2,6-Dimethylphenol	(ug/l)				
3,4-Dimethylphenol	(ug/l)				

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-A	MW-G	PZ-001	PZ-002
	SAMPLE ID	A18P5	A18P6	D03559	D03560
	DATE	12/15/2003	12/12/2003	12/11/2002	12/11/2002
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzaldehyde	(ug/l)	10U	10U	5U	5U
Phenol	(ug/l)	10U	10U	5U	5U
2-Chlorophenol	(ug/l)	10U	10U	0.2UJ	0.2UJ
bis(2-Chloroethyl) ether	(ug/l)	10U	10U	5U	5U
2-Methylphenol	(ug/l)	0.7J	10U	5UJ	5UJ
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U	10U	5U	5U
Acetophenone	(ug/l)	10U	10U	5U	5U
4-Methylphenol	(ug/l)	2J	10U	5UJ	5UJ
N-Nitrosodi-n-propylamine	(ug/l)	10U	10U	5U	5U
Hexachloroethane	(ug/l)	10U	10U	5UJ	5UJ
Nitrobenzene	(ug/l)	10U	10U	5U	5U
Isophorone	(ug/l)	10U	10U	5U	5U
2-Nitrophenol	(ug/l)	10U	10U	5U	5U
2,4-Dimethylphenol	(ug/l)	10U	10U	R	R
Bis(2-chloroethoxy) methane	(ug/l)	10U	10U	5U	5U
2,4-Dichlorophenol	(ug/l)	10U	10U	5U	5U
Naphthalene	(ug/l)	10U	8J	0.1U	0.2UJ
4-Chloroaniline	(ug/l)	10U	10U	R	R
Hexachlorobutadiene	(ug/l)	10U	10U	5UJ	5UJ
Caprolactam	(ug/l)	10U	10U	5U	5U
4-Chloro-3-methylphenol	(ug/l)	10U	10U	5UJ	5UJ
2-Methylnaphthalene	(ug/l)	10U	13	5U	5U
Hexachlorocyclopentadiene	(ug/l)	10U	10U	5UJ	5UJ
2,4,6-Trichlorophenol	(ug/l)	10U	10U	0.2U	0.2U
2,4,5-Trichlorophenol	(ug/l)	23J	17J	13U	13U
1,1'-Biphenyl	(ug/l)	6J	5J	5U	5U
2-Chloronaphthalene	(ug/l)	10U	10U	5U	5U
2-Nitroaniline	(ug/l)	25U	25U	5U	5U
Dimethylphthalate	(ug/l)	10U	10U	5U	5U
2,6-Dinitrotoluene	(ug/l)	10U	10U	5U	5U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-A A18P5 12/15/2003 Primary	MW-G A18P6 12/12/2003 Primary	PZ-001 D03559 12/11/2002 Primary	PZ-002 D03560 12/11/2002 Primary
Acenaphthylene	(ug/l)	10U	10U	5U	5U
3-Nitroaniline	(ug/l)	25U	25U	13U	13U
Acenaphthene	(ug/l)	5J	4J	5U	5U
2,4-Dinitrophenol	(ug/l)	25U	25UJ	1U	1U
4-Nitrophenol	(ug/l)	25U	25U	13U	13U
Dibenzofuran	(ug/l)	2J	3J	5U	5U
2,4-Dinitrotoluene	(ug/l)	10U	10U	5U	5U
Diethylphthalate	(ug/l)	10U	10U	5U	5U
Fluorene	(ug/l)	5J	4J	5U	5U
4-chlorophenyl-phenylether	(ug/l)	10U	10U	5U	5U
4-Nitroaniline	(ug/l)	25U	25U	13UJ	13UJ
4,6-Dinitro-2-methylphenol	(ug/l)	25U	25UJ	13U	13U
N-Nitrosodiphenylamine	(ug/l)	10U	10U	5UJ	5UJ
4-Bromophenyl phenylether	(ug/l)	10U	10U	5U	5U
Hexachlorobenzene	(ug/l)	10U	10U	0.5U	0.5U
Atrazine	(ug/l)	10U	R	1U	1U
Pentachlorophenol	(ug/l)	5400	2600	0.2U	4.8J
Phenanthrene	(ug/l)	4J	3J	5U	5U
Anthracene	(ug/l)	10U	10U	5U	5U
Carbazole	(ug/l)	10U	10U	5U	5U
Di-n-butylphthalate	(ug/l)	4JB	10U	5U	5U
Fluoranthene	(ug/l)	10U	10U	5U	5U
Pyrene	(ug/l)	10U	10U	5U	5U
Butylbenzylphthalate	(ug/l)	10U	10U	5U	5U
3,3'-Dichlorobenzidine	(ug/l)	10U	10U	R	R
Benzo(a)anthracene	(ug/l)	10U	10U	0.01UJ	0.01UJ
Chrysene	(ug/l)	10U	10U	5U	5U
bis(2-Ethylhexyl) phthalate	(ug/l)	1JB	10U	5U	5U
Di-n-octylphthalate	(ug/l)	10U	10UJ	5U	5U
Benzo(b)fluoranthene	(ug/l)	10U	10U	0.01UJ	0.01UJ

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-A	MW-G	PZ-001	PZ-002
	SAMPLE ID	A18P5	A18P6	D03559	D03560
	DATE	12/15/2003	12/12/2003	12/11/2002	12/11/2002
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(k)fluoranthene	(ug/l)	10U	10U	0.1UJ	0.1UJ
Benzo(a)pyrene	(ug/l)	10U	10U	5U	5U
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	10U	0.01UJ	0.01UJ
Dibenzo(a,h)anthracene	(ug/l)	10U	10U	0.01UJ	0.01UJ
Benzo(g,h,i)perylene	(ug/l)	10U	10U	5U	5U
2,3,5,6-Tetrachlorophenol	(ug/l)			5UJ	5UJ
2,6-Dimethylphenol	(ug/l)			R	R
3,4-Dimethylphenol	(ug/l)			R	R

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-002 A18P7 12/13/2003 Primary	PZ-004 D03563 12/12/2002 Primary	PZ-005 D03564 12/12/2002 Primary	PZ-006 D03565 12/12/2002 Primary
Benzaldehyde	(ug/l)	10U	5U	5U	5U
Phenol	(ug/l)	10U	5U	5U	5U
2-Chlorophenol	(ug/l)	10U	0.2UJ	0.2UJ	0.2UJ
bis(2-Chloroethyl) ether	(ug/l)	10U	5U	5U	5U
2-Methylphenol	(ug/l)	10U	5UJ	5UJ	5UJ
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U	5U	5U	5U
Acetophenone	(ug/l)	10U	5U	5U	5U
4-Methylphenol	(ug/l)	14U	5UJ	5UJ	5UJ
N-Nitrosodi-n-propylamine	(ug/l)	10U	5U	5U	5U
Hexachloroethane	(ug/l)	10U	5UJ	5UJ	5UJ
Nitrobenzene	(ug/l)	10U	5U	5U	5U
Isophorone	(ug/l)	10U	5U	5U	5U
2-Nitrophenol	(ug/l)	10U	5U	5U	5U
2,4-Dimethylphenol	(ug/l)	10U	R	R	R
Bis(2-chloroethoxy) methane	(ug/l)	10U	5U	5U	5U
2,4-Dichlorophenol	(ug/l)	10U	5U	5U	5U
Naphthalene	(ug/l)	10U	0.1U	0.1UJ	0.1U
4-Chloroaniline	(ug/l)	10U	R	R	R
Hexachlorobutadiene	(ug/l)	10U	5UJ	5UJ	5UJ
Caprolactam	(ug/l)	10U	5U	5U	5U
4-Chloro-3-methylphenol	(ug/l)	10U	5UJ	5UJ	5UJ
2-Methylnaphthalene	(ug/l)	10U	5U	5U	5U
Hexachlorocyclopentadiene	(ug/l)	10U	5UJ	5UJ	5UJ
2,4,6-Trichlorophenol	(ug/l)	10U	0.2U	0.2U	0.2U
2,4,5-Trichlorophenol	(ug/l)	25U	13U	13U	13U
1,1'-Biphenyl	(ug/l)	10U	5U	5U	5U
2-Chloronaphthalene	(ug/l)	10U	5U	5U	5U
2-Nitroaniline	(ug/l)	25U	5U	5U	5U
Dimethylphthalate	(ug/l)	10U	5U	5U	5U
2,6-Dinitrotoluene	(ug/l)	10U	5U	5U	5U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-002 A18P7 12/13/2003 Primary	PZ-004 D03563 12/12/2002 Primary	PZ-005 D03564 12/12/2002 Primary	PZ-006 D03565 12/12/2002 Primary
Acenaphthylene	(ug/l)	10U	5U	5U	5U
3-Nitroaniline	(ug/l)	25U	13U	13U	13U
Acenaphthene	(ug/l)	10U	5U	5U	5U
2,4-Dinitrophenol	(ug/l)	25UJ	1U	1U	1U
4-Nitrophenol	(ug/l)	25U	13U	13U	13U
Dibenzofuran	(ug/l)	10U	5U	5U	5U
2,4-Dinitrotoluene	(ug/l)	10U	5U	5U	5U
Diethylphthalate	(ug/l)	10U	5U	5U	5U
Fluorene	(ug/l)	10U	5U	5U	5U
4-chlorophenyl-phenylether	(ug/l)	10U	5U	5U	5U
4-Nitroaniline	(ug/l)	25U	13UJ	13UJ	13UJ
4,6-Dinitro-2-methylphenol	(ug/l)	25UJ	13U	13U	13U
N-Nitrosodiphenylamine	(ug/l)	10U	5UJ	5UJ	5UJ
4-Bromophenyl phenylether	(ug/l)	10U	5U	5U	5U
Hexachlorobenzene	(ug/l)	10U	0.5U	0.5UJ	0.5U
Atrazine	(ug/l)	R	1U	1UJ	1U
Pentachlorophenol	(ug/l)	1J	0.2U	30J	3J
Phenanthrene	(ug/l)	10U	5U	5U	5U
Anthracene	(ug/l)	10U	5U	5U	5U
Carbazole	(ug/l)	10U	5U	5U	5U
Di-n-butylphthalate	(ug/l)	10U	5U	5U	5U
Fluoranthene	(ug/l)	10U	5U	5U	5U
Pyrene	(ug/l)	10U	5U	5U	5U
Butylbenzylphthalate	(ug/l)	10U	5U	5U	5U
3,3'-Dichlorobenzidine	(ug/l)	10U	R	R	R
Benzo(a)anthracene	(ug/l)	10U	0.01UJ	0.01UJ	0.01UJ
Chrysene	(ug/l)	10U	5U	5U	5U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	5U	5U	5U
Di-n-octylphthalate	(ug/l)	10UJ	5U	5U	5U
Benzo(b)fluoranthene	(ug/l)	10U	0.01UJ	5U	0.01UJ

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-002 A18P7 12/13/2003 Primary	PZ-004 D03563 12/12/2002 Primary	PZ-005 D03564 12/12/2002 Primary	PZ-006 D03565 12/12/2002 Primary
Benzo(k)fluoranthene	(ug/l)	10U	0.1UJ	5U	0.1UJ
Benzo(a)pyrene	(ug/l)	10U	5U	5U	5U
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	0.01UJ	5U	0.01UJ
Dibenzo(a,h)anthracene	(ug/l)	10U	0.01UJ	5U	0.01UJ
Benzo(g,h,i)perylene	(ug/l)	10U	5U	5U	5U
2,3,5,6-Tetrachlorophenol	(ug/l)		5UJ	5UJ	5UJ
2,6-Dimethylphenol	(ug/l)		R	R	R
3,4-Dimethylphenol	(ug/l)		R	R	R

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-007 D03566 12/11/2002 Primary	PZ-007 A18P8 12/15/2003 Primary	PZ-008 D03562 12/10/2002 Primary	PZ-008 D03561 12/10/2002 Duplicate 1
Benzaldehyde	(ug/l)	5U	10U	5U	5U
Phenol	(ug/l)	5U	10U	5U	0.7J
2-Chlorophenol	(ug/l)	0.2UJ	10U	0.2UJ	0.2UJ
bis(2-Chloroethyl) ether	(ug/l)	5U	10U	5U	5U
2-Methylphenol	(ug/l)	5UJ	10U	5UJ	5UJ
2,2'-Oxybis(1-Chloropropane)	(ug/l)	5U	10U	5U	5U
Acetophenone	(ug/l)	5U	3J	5U	5U
4-Methylphenol	(ug/l)	5J	2J	3J	2J
N-Nitrosodi-n-propylamine	(ug/l)	5U	10U	5U	5U
Hexachloroethane	(ug/l)	5UJ	10U	5UJ	5UJ
Nitrobenzene	(ug/l)	5U	10U	5U	5U
Isophorone	(ug/l)	5U	10U	5U	5U
2-Nitrophenol	(ug/l)	5U	10U	5U	5U
2,4-Dimethylphenol	(ug/l)	R	10U	R	R
Bis(2-chloroethoxy) methane	(ug/l)	5U	10U	5U	5U
2,4-Dichlorophenol	(ug/l)	5U	10U	5U	5U
Naphthalene	(ug/l)	20	10U	12	10
4-Chloroaniline	(ug/l)	R	10U	R	R
Hexachlorobutadiene	(ug/l)	5UJ	10U	5UJ	5UJ
Caprolactam	(ug/l)	5U	10U	5U	5U
4-Chloro-3-methylphenol	(ug/l)	5UJ	10U	5UJ	5UJ
2-Methylnaphthalene	(ug/l)	74J	10U	57J	47J
Hexachlorocyclopentadiene	(ug/l)	5UJ	10U	5UJ	5UJ
2,4,6-Trichlorophenol	(ug/l)	0.2UJ	10U	0.2UJ	0.2UJ
2,4,5-Trichlorophenol	(ug/l)	13U	25U	0.7J	13U
1,1'-Biphenyl	(ug/l)	5	0.7J	5	4J
2-Chloronaphthalene	(ug/l)	5U	10U	5U	5U
2-Nitroaniline	(ug/l)	5U	25U	5U	5U
Dimethylphthalate	(ug/l)	5U	10U	5U	5U
2,6-Dinitrotoluene	(ug/l)	5U	10U	5U	5U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-007 D03566 12/11/2002 Primary	PZ-007 A18P8 12/15/2003 Primary	PZ-008 D03562 12/10/2002 Primary	PZ-008 D03561 12/10/2002 Duplicate 1
Acenaphthylene	(ug/l)	5U	10U	5U	5U
3-Nitroaniline	(ug/l)	13U	25U	13U	13U
Acenaphthene	(ug/l)	5U	2J	5U	5U
2,4-Dinitrophenol	(ug/l)	1UJ	25U	1UJ	1UJ
4-Nitrophenol	(ug/l)	13U	25U	13U	13U
Dibenzofuran	(ug/l)	2J	10U	1J	0.8J
2,4-Dinitrotoluene	(ug/l)	5U	10U	5U	5U
Diethylphthalate	(ug/l)	5U	10U	5U	5U
Fluorene	(ug/l)	4J	1J	4J	4J
4-chlorophenyl-phenylether	(ug/l)	5U	10U	5U	5U
4-Nitroaniline	(ug/l)	13UJ	25U	13UJ	13UJ
4,6-Dinitro-2-methylphenol	(ug/l)	13UJ	25U	13U	13U
N-Nitrosodiphenylamine	(ug/l)	5UJ	10U	5UJ	5UJ
4-Bromophenyl phenylether	(ug/l)	5UJ	10U	5U	5U
Hexachlorobenzene	(ug/l)	5UJ	10U	5U	5U
Atrazine	(ug/l)	5UJ	10U	5U	5U
Pentachlorophenol	(ug/l)	17000J	6800	4700J	4600J
Phenanthrene	(ug/l)	7J	10U	6	6
Anthracene	(ug/l)	5UJ	10U	5U	5U
Carbazole	(ug/l)	5UJ	10U	5U	5U
Di-n-butylphthalate	(ug/l)	5UJ	5JB	5U	5U
Fluoranthene	(ug/l)	5UJ	10U	5U	5U
Pyrene	(ug/l)	5U	10U	5U	5U
Butylbenzylphthalate	(ug/l)	5U	10U	5U	5U
3,3'-Dichlorobenzidine	(ug/l)	R	10U	R	R
Benzo(a)anthracene	(ug/l)	1U	10U	0.01UJ	0.01UJ
Chrysene	(ug/l)	5U	10U	5U	5U
bis(2-Ethylhexyl) phthalate	(ug/l)	1J	2JB	5U	5U
Di-n-octylphthalate	(ug/l)	5UJ	10U	5UJ	5UJ
Benzo(b)fluoranthene	(ug/l)	1U	10U	0.01UJ	0.01U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-007 D03566 12/11/2002 Primary	PZ-007 A18P8 12/15/2003 Primary	PZ-008 D03562 12/10/2002 Primary	PZ-008 D03561 12/10/2002 Duplicate 1
Benzo(k)fluoranthene	(ug/l)	5UJ	10U	0.1UJ	0.1U
Benzo(a)pyrene	(ug/l)	5UJ	10U	5UJ	5UJ
Indeno(1,2,3-cd)pyrene	(ug/l)	1U	10U	0.01UJ	0.01U
Dibenzo(a,h)anthracene	(ug/l)	1U	10U	0.01UJ	0.01U
Benzo(g,h,i)perylene	(ug/l)	5UJ	10U	5UJ	5UJ
2,3,5,6-Tetrachlorophenol	(ug/l)	580J		350J	340J
2,6-Dimethylphenol	(ug/l)	R		R	R
3,4-Dimethylphenol	(ug/l)	R		R	R

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	PZ-008	RCA-1	RCA-1	RCA-2
	SAMPLE ID	A18P9	RCA - 1	A18Q0	RCA - 2
	DATE	12/16/2003	02/19/1999	12/11/2003	02/18/1999
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzaldehyde	(ug/l)	10U		10U	
Phenol	(ug/l)	10U	10U	10U	11U
2-Chlorophenol	(ug/l)	10U	10U	10U	11U
bis(2-Chloroethyl) ether	(ug/l)	10U		10U	
2-Methylphenol	(ug/l)	0.8J	10U	10U	11U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U		10U	
Acetophenone	(ug/l)	10U		10U	
4-Methylphenol	(ug/l)	2J	10U	10U	11U
N-Nitrosodi-n-propylamine	(ug/l)	10U		10U	
Hexachloroethane	(ug/l)	10U		10U	
Nitrobenzene	(ug/l)	10U		10U	
Isophorone	(ug/l)	10U		10U	
2-Nitrophenol	(ug/l)	10U	10U	10U	11U
2,4-Dimethylphenol	(ug/l)	10U	10U	10U	11U
Bis(2-chloroethoxy) methane	(ug/l)	10U		10U	
2,4-Dichlorophenol	(ug/l)	10U	10U	10U	11U
Naphthalene	(ug/l)	9J		10U	
4-Chloroaniline	(ug/l)	10U		10U	
Hexachlorobutadiene	(ug/l)	10U		10U	
Caprolactam	(ug/l)	10U		10U	
4-Chloro-3-methylphenol	(ug/l)	10U	10U	10U	11U
2-Methylnaphthalene	(ug/l)	42		10U	
Hexachlorocyclopentadiene	(ug/l)	10U		10U	
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	11U
2,4,5-Trichlorophenol	(ug/l)	1J	10U	25U	11U
1,1'-Biphenyl	(ug/l)	3J		10U	
2-Chloronaphthalene	(ug/l)	10U		10U	
2-Nitroaniline	(ug/l)	25U		25U	
Dimethylphthalate	(ug/l)	10U		10U	
2,6-Dinitrotoluene	(ug/l)	10U		10U	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-008 A18P9 12/16/2003 Primary	RCA-1 RCA - 1 02/19/1999 Primary	RCA-1 A18Q0 12/11/2003 Primary	RCA-2 RCA - 2 02/18/1999 Primary
Acenaphthylene	(ug/l)	10U		10U	
3-Nitroaniline	(ug/l)	25U		25U	
Acenaphthene	(ug/l)	4J		10U	
2,4-Dinitrophenol	(ug/l)	25U	10U	25UJ	11U
4-Nitrophenol	(ug/l)	25U	10U	25U	11U
Dibenzofuran	(ug/l)	2J		10U	
2,4-Dinitrotoluene	(ug/l)	10U		10U	
Diethylphthalate	(ug/l)	10		10U	
Fluorene	(ug/l)	3J		10U	
4-chlorophenyl-phenylether	(ug/l)	10U		10U	
4-Nitroaniline	(ug/l)	25U		25U	
4,6-Dinitro-2-methylphenol	(ug/l)	25U	10U	25UJ	11U
N-Nitrosodiphenylamine	(ug/l)	10U		10U	
4-Bromophenyl phenylether	(ug/l)	10U		10U	
Hexachlorobenzene	(ug/l)	10U		10U	
Atrazine	(ug/l)	10U		R	
Pentachlorophenol	(ug/l)	4200	10U	36	11U
Phenanthrene	(ug/l)	5J		10U	
Anthracene	(ug/l)	10U		10U	
Carbazole	(ug/l)	10U		10U	
Di-n-butylphthalate	(ug/l)	5JB		10U	
Fluoranthene	(ug/l)	10U		10U	
Pyrene	(ug/l)	10U		10U	
Butylbenzylphthalate	(ug/l)	10U		10U	
3,3'-Dichlorobenzidine	(ug/l)	10U		10U	
Benzo(a)anthracene	(ug/l)	10U		10U	
Chrysene	(ug/l)	10U		10U	
bis(2-Ethylhexyl) phthalate	(ug/l)	2JB		10U	
Di-n-octylphthalate	(ug/l)	10U		10UJ	
Benzo(b)fluoranthene	(ug/l)	10U		10U	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	PZ-008	RCA-1	RCA-1	RCA-2
	SAMPLE ID	A18P9	RCA - 1	A18Q0	RCA - 2
	DATE	12/16/2003	02/19/1999	12/11/2003	02/18/1999
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(k)fluoranthene	(ug/l)	10U		10U	
Benzo(a)pyrene	(ug/l)	10U		10U	
Indeno(1,2,3-cd)pyrene	(ug/l)	10U		10U	
Dibenzo(a,h)anthracene	(ug/l)	10U		10U	
Benzo(g,h,i)perylene	(ug/l)	10U		10U	
2,3,5,6-Tetrachlorophenol	(ug/l)				
2,6-Dimethylphenol	(ug/l)				
3,4-Dimethylphenol	(ug/l)				

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-2 A18Q1 12/11/2003 Primary	RCA-3 RCA - 3 02/19/1999 Primary	RCA-3 A18Q2 12/12/2003 Primary	RCA-4 RCA - 4 02/19/1999 Primary
Benzaldehyde	(ug/l)	10UJ		10U	
Phenol	(ug/l)	10U	10U	10U	11U
2-Chlorophenol	(ug/l)	10U	10U	10U	11U
bis(2-Chloroethyl) ether	(ug/l)	10U		10U	
2-Methylphenol	(ug/l)	10U	10U	10U	11U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10UJ		10U	
Acetophenone	(ug/l)	10U		10U	
4-Methylphenol	(ug/l)	10U	10U	10U	11U
N-Nitrosodi-n-propylamine	(ug/l)	10U		10U	
Hexachloroethane	(ug/l)	10U		10U	
Nitrobenzene	(ug/l)	10U		10U	
Isophorone	(ug/l)	10U		10U	
2-Nitrophenol	(ug/l)	10U	10U	10U	11U
2,4-Dimethylphenol	(ug/l)	10U	10U	10U	11U
Bis(2-chloroethoxy) methane	(ug/l)	10U		10U	
2,4-Dichlorophenol	(ug/l)	10U	10U	10U	11U
Naphthalene	(ug/l)	10U		10U	
4-Chloroaniline	(ug/l)	10U		10U	
Hexachlorobutadiene	(ug/l)	10U		10U	
Caprolactam	(ug/l)	10U		10U	
4-Chloro-3-methylphenol	(ug/l)	10U	10U	10U	11U
2-Methylnaphthalene	(ug/l)	10U		10U	
Hexachlorocyclopentadiene	(ug/l)	10UJ		10U	
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	11U
2,4,5-Trichlorophenol	(ug/l)	25U	10U	25U	11U
1,1'-Biphenyl	(ug/l)	10U		10U	
2-Chloronaphthalene	(ug/l)	10U		10U	
2-Nitroaniline	(ug/l)	25U		25U	
Dimethylphthalate	(ug/l)	10U		10U	
2,6-Dinitrotoluene	(ug/l)	10U		10U	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-2 A18Q1 12/11/2003 Primary	RCA-3 RCA - 3 02/19/1999 Primary	RCA-3 A18Q2 12/12/2003 Primary	RCA-4 RCA - 4 02/19/1999 Primary
Acenaphthylene	(ug/l)	10U		10U	
3-Nitroaniline	(ug/l)	25U		25U	
Acenaphthene	(ug/l)	10U		10U	
2,4-Dinitrophenol	(ug/l)	25UJ	10U	25UJ	11U
4-Nitrophenol	(ug/l)	25U	10U	25U	11U
Dibenzofuran	(ug/l)	10U		10U	
2,4-Dinitrotoluene	(ug/l)	10U		10U	
Diethylphthalate	(ug/l)	10U		10U	
Fluorene	(ug/l)	10U		10U	
4-chlorophenyl-phenylether	(ug/l)	10U		10U	
4-Nitroaniline	(ug/l)	25U		25U	
4,6-Dinitro-2-methylphenol	(ug/l)	25U	10U	25UJ	11U
N-Nitrosodiphenylamine	(ug/l)	10U		10U	
4-Bromophenyl phenylether	(ug/l)	10U		10U	
Hexachlorobenzene	(ug/l)	10U		10U	
Atrazine	(ug/l)	R		R	
Pentachlorophenol	(ug/l)	25U	10U	25U	11U
Phenanthrene	(ug/l)	10U		10U	
Anthracene	(ug/l)	10U		10U	
Carbazole	(ug/l)	10U		10U	
Di-n-butylphthalate	(ug/l)	10U		10U	
Fluoranthene	(ug/l)	10U		10U	
Pyrene	(ug/l)	10U		10U	
Butylbenzylphthalate	(ug/l)	10U		10U	
3,3'-Dichlorobenzidine	(ug/l)	10U		10U	
Benzo(a)anthracene	(ug/l)	10U		10U	
Chrysene	(ug/l)	10U		10U	
bis(2-Ethylhexyl) phthalate	(ug/l)	10U		10U	
Di-n-octylphthalate	(ug/l)	10UJ		10UJ	
Benzo(b)fluoranthene	(ug/l)	10U		10U	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-2 A18Q1 12/11/2003 Primary	RCA-3 RCA - 3 02/19/1999 Primary	RCA-3 A18Q2 12/12/2003 Primary	RCA-4 RCA - 4 02/19/1999 Primary
Benzo(k)fluoranthene	(ug/l)	10U		10U	
Benzo(a)pyrene	(ug/l)	10U		10U	
Indeno(1,2,3-cd)pyrene	(ug/l)	10U		10U	
Dibenzo(a,h)anthracene	(ug/l)	10U		10U	
Benzo(g,h,i)perylene	(ug/l)	10U		10U	
2,3,5,6-Tetrachlorophenol	(ug/l)				
2,6-Dimethylphenol	(ug/l)				
3,4-Dimethylphenol	(ug/l)				

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-4 A18Q3 12/12/2003 Primary	RCA-5 RCA - 5 02/18/1999 Primary	RCA-5 A18Q4 12/10/2003 Primary	RCA-6 RCA - 6 02/18/1999 Primary
Benzaldehyde	(ug/l)	10U		10UJ	
Phenol	(ug/l)	10U	11U	10U	11U
2-Chlorophenol	(ug/l)	10U	11U	10U	11U
bis(2-Chloroethyl) ether	(ug/l)	10U		10U	
2-Methylphenol	(ug/l)	10U	11U	10U	11U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U		10U	
Acetophenone	(ug/l)	10U		10U	
4-Methylphenol	(ug/l)	10U	11U	10U	11U
N-Nitrosodi-n-propylamine	(ug/l)	10U		10U	
Hexachloroethane	(ug/l)	10U		10U	
Nitrobenzene	(ug/l)	10U		10U	
Isophorone	(ug/l)	10U		10U	
2-Nitrophenol	(ug/l)	10U	11U	10U	11U
2,4-Dimethylphenol	(ug/l)	10U	11U	10U	11U
Bis(2-chloroethoxy) methane	(ug/l)	10U		10U	
2,4-Dichlorophenol	(ug/l)	10U	11U	10U	11U
Naphthalene	(ug/l)	10U		10U	
4-Chloroaniline	(ug/l)	10U		10U	
Hexachlorobutadiene	(ug/l)	10U		10U	
Caprolactam	(ug/l)	10U		10U	
4-Chloro-3-methylphenol	(ug/l)	10U	11U	10U	11U
2-Methylnaphthalene	(ug/l)	10U		10U	
Hexachlorocyclopentadiene	(ug/l)	10U		10UJ	
2,4,6-Trichlorophenol	(ug/l)	10U	11U	10U	11U
2,4,5-Trichlorophenol	(ug/l)	25U	11U	25U	11U
1,1'-Biphenyl	(ug/l)	10U		10U	
2-Chloronaphthalene	(ug/l)	10U		10U	
2-Nitroaniline	(ug/l)	25U		25U	
Dimethylphthalate	(ug/l)	10U		10U	
2,6-Dinitrotoluene	(ug/l)	10U		10U	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-4 A18Q3 12/12/2003 Primary	RCA-5 RCA - 5 02/18/1999 Primary	RCA-5 A18Q4 12/10/2003 Primary	RCA-6 RCA - 6 02/18/1999 Primary
Acenaphthylene	(ug/l)	10U		10U	
3-Nitroaniline	(ug/l)	25U		25U	
Acenaphthene	(ug/l)	10U		10U	
2,4-Dinitrophenol	(ug/l)	25UJ	11U	25UJ	11U
4-Nitrophenol	(ug/l)	25U	11U	25U	11U
Dibenzofuran	(ug/l)	10U		10U	
2,4-Dinitrotoluene	(ug/l)	10U		10U	
Diethylphthalate	(ug/l)	10U		10U	
Fluorene	(ug/l)	10U		10U	
4-chlorophenyl-phenylether	(ug/l)	10U		10U	
4-Nitroaniline	(ug/l)	25U		25U	
4,6-Dinitro-2-methylphenol	(ug/l)	25UJ	11U	25UJ	11U
N-Nitrosodiphenylamine	(ug/l)	10U		10U	
4-Bromophenyl phenylether	(ug/l)	10U		10U	
Hexachlorobenzene	(ug/l)	10U		10U	
Atrazine	(ug/l)	R		R	
Pentachlorophenol	(ug/l)	2J	11U	25U	11U
Phenanthrene	(ug/l)	10U		10U	
Anthracene	(ug/l)	10U		10U	
Carbazole	(ug/l)	10U		10U	
Di-n-butylphthalate	(ug/l)	10U		10U	
Fluoranthene	(ug/l)	10U		10U	
Pyrene	(ug/l)	10U		10U	
Butylbenzylphthalate	(ug/l)	10U		10U	
3,3'-Dichlorobenzidine	(ug/l)	10U		10U	
Benzo(a)anthracene	(ug/l)	10U		10U	
Chrysene	(ug/l)	10U		10U	
bis(2-Ethylhexyl) phthalate	(ug/l)	10U		10U	
Di-n-octylphthalate	(ug/l)	10UJ		10U	
Benzo(b)fluoranthene	(ug/l)	10U		10U	

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-4 A18Q3 12/12/2003 Primary	RCA-5 RCA - 5 02/18/1999 Primary	RCA-5 A18Q4 12/10/2003 Primary	RCA-6 RCA - 6 02/18/1999 Primary
Benzo(k)fluoranthene	(ug/l)	10U		10U	
Benzo(a)pyrene	(ug/l)	10U		10U	
Indeno(1,2,3-cd)pyrene	(ug/l)	10U		10U	
Dibenzo(a,h)anthracene	(ug/l)	10U		10U	
Benzo(g,h,i)perylene	(ug/l)	10U		10U	
2,3,5,6-Tetrachlorophenol	(ug/l)				
2,6-Dimethylphenol	(ug/l)				
3,4-Dimethylphenol	(ug/l)				

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-6 A18Q5 12/10/2003 Primary	RCA-7 RCA - 7 02/19/1999 Primary	RCA-8 RCA - 8 02/19/1999 Primary	RCA-8 A18Q7 12/18/2003 Primary
Benzaldehyde	(ug/l)	10UJ			10U
Phenol	(ug/l)	10U	11U	10U	10U
2-Chlorophenol	(ug/l)	10U	11U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)	10U			10U
2-Methylphenol	(ug/l)	10U	11U	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U			10U
Acetophenone	(ug/l)	10U			10U
4-Methylphenol	(ug/l)	10U	11U	10U	10U
N-Nitrosodi-n-propylamine	(ug/l)	10U			10U
Hexachloroethane	(ug/l)	10U			10U
Nitrobenzene	(ug/l)	10U			10U
Isophorone	(ug/l)	10U			10U
2-Nitrophenol	(ug/l)	10U	11U	10U	10U
2,4-Dimethylphenol	(ug/l)	10U	11U	10U	10U
Bis(2-chloroethoxy) methane	(ug/l)	10U			10U
2,4-Dichlorophenol	(ug/l)	10U	11U	10U	10U
Naphthalene	(ug/l)	10U			10U
4-Chloroaniline	(ug/l)	10U			10U
Hexachlorobutadiene	(ug/l)	10U			10U
Caprolactam	(ug/l)	10U			10U
4-Chloro-3-methylphenol	(ug/l)	10U	11U	10U	10U
2-Methylnaphthalene	(ug/l)	2J			10U
Hexachlorocyclopentadiene	(ug/l)	10UJ			10U
2,4,6-Trichlorophenol	(ug/l)	10U	11U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25U	11U	10U	25U
1,1'-Biphenyl	(ug/l)	10U			10U
2-Chloronaphthalene	(ug/l)	10U			10U
2-Nitroaniline	(ug/l)	25U			25U
Dimethylphthalate	(ug/l)	10U			10U
2,6-Dinitrotoluene	(ug/l)	10U			10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-6 A18Q5 12/10/2003 Primary	RCA-7 RCA - 7 02/19/1999 Primary	RCA-8 RCA - 8 02/19/1999 Primary	RCA-8 A18Q7 12/18/2003 Primary
Acenaphthylene	(ug/l)	10U			10U
3-Nitroaniline	(ug/l)	25U			25U
Acenaphthene	(ug/l)	10U			10U
2,4-Dinitrophenol	(ug/l)	25UJ	11U	10U	25U
4-Nitrophenol	(ug/l)	25U	11U	10U	25U
Dibenzofuran	(ug/l)	10U			10U
2,4-Dinitrotoluene	(ug/l)	10U			10U
Diethylphthalate	(ug/l)	10U			4JB
Fluorene	(ug/l)	10U			0.6J
4-chlorophenyl-phenylether	(ug/l)	10U			10U
4-Nitroaniline	(ug/l)	25U			25U
4,6-Dinitro-2-methylphenol	(ug/l)	25UJ	11U	10U	25U
N-Nitrosodiphenylamine	(ug/l)	10U			10U
4-Bromophenyl phenylether	(ug/l)	10U			10U
Hexachlorobenzene	(ug/l)	10U			10U
Atrazine	(ug/l)	R			10U
Pentachlorophenol	(ug/l)	8J	11	60	21J
Phenanthrene	(ug/l)	10U			10U
Anthracene	(ug/l)	10U			10U
Carbazole	(ug/l)	10U			10U
Di-n-butylphthalate	(ug/l)	10U			1JB
Fluoranthene	(ug/l)	10U			10U
Pyrene	(ug/l)	10U			10U
Butylbenzylphthalate	(ug/l)	10U			10U
3,3'-Dichlorobenzidine	(ug/l)	10U			10U
Benzo(a)anthracene	(ug/l)	10U			10U
Chrysene	(ug/l)	10U			10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U			3JB
Di-n-octylphthalate	(ug/l)	10U			10U
Benzo(b)fluoranthene	(ug/l)	10U			10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-6 A18Q5 12/10/2003 Primary	RCA-7 RCA - 7 02/19/1999 Primary	RCA-8 RCA - 8 02/19/1999 Primary	RCA-8 A18Q7 12/18/2003 Primary
Benzo(k)fluoranthene	(ug/l)	10U			10U
Benzo(a)pyrene	(ug/l)	10U			10U
Indeno(1,2,3-cd)pyrene	(ug/l)	10U			10U
Dibenzo(a,h)anthracene	(ug/l)	10U			10U
Benzo(g,h,i)perylene	(ug/l)	10U			10U
2,3,5,6-Tetrachlorophenol	(ug/l)				
2,6-Dimethylphenol	(ug/l)				
3,4-Dimethylphenol	(ug/l)				

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-9 RCA - 9 02/19/1999 Primary	RCA-9 A18Q8 12/18/2003 Primary
Benzaldehyde	(ug/l)		10U
Phenol	(ug/l)	10U	10U
2-Chlorophenol	(ug/l)	10U	10U
bis(2-Chloroethyl) ether	(ug/l)		10U
2-Methylphenol	(ug/l)	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)		10U
Acetophenone	(ug/l)		10U
4-Methylphenol	(ug/l)	10U	10U
N-Nitrosodi-n-propylamine	(ug/l)		10U
Hexachloroethane	(ug/l)		10U
Nitrobenzene	(ug/l)		10U
Isophorone	(ug/l)		10U
2-Nitrophenol	(ug/l)	10U	10U
2,4-Dimethylphenol	(ug/l)	10U	10U
Bis(2-chloroethoxy) methane	(ug/l)		10U
2,4-Dichlorophenol	(ug/l)	10U	10U
Naphthalene	(ug/l)		10U
4-Chloroaniline	(ug/l)		10U
Hexachlorobutadiene	(ug/l)		10U
Caprolactam	(ug/l)		10U
4-Chloro-3-methylphenol	(ug/l)	10U	10U
2-Methylnaphthalene	(ug/l)		10U
Hexachlorocyclopentadiene	(ug/l)		10U
2,4,6-Trichlorophenol	(ug/l)	10U	10U
2,4,5-Trichlorophenol	(ug/l)	10U	25U
1,1'-Biphenyl	(ug/l)		10U
2-Chloronaphthalene	(ug/l)		10U
2-Nitroaniline	(ug/l)		25U
Dimethylphthalate	(ug/l)		10U
2,6-Dinitrotoluene	(ug/l)		10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-9 RCA - 9 02/19/1999 Primary	RCA-9 A18Q8 12/18/2003 Primary
Acenaphthylene	(ug/l)		10U
3-Nitroaniline	(ug/l)		25U
Acenaphthene	(ug/l)		10U
2,4-Dinitrophenol	(ug/l)	10U	25U
4-Nitrophenol	(ug/l)	10U	25U
Dibenzofuran	(ug/l)		10U
2,4-Dinitrotoluene	(ug/l)		10U
Diethylphthalate	(ug/l)		6JB
Fluorene	(ug/l)		10U
4-chlorophenyl-phenylether	(ug/l)		10U
4-Nitroaniline	(ug/l)		25U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	25U
N-Nitrosodiphenylamine	(ug/l)		10U
4-Bromophenyl phenylether	(ug/l)		10U
Hexachlorobenzene	(ug/l)		10U
Atrazine	(ug/l)		10U
Pentachlorophenol	(ug/l)	10U	25U
Phenanthrene	(ug/l)		10U
Anthracene	(ug/l)		10U
Carbazole	(ug/l)		10U
Di-n-butylphthalate	(ug/l)		0.8JB
Fluoranthene	(ug/l)		10U
Pyrene	(ug/l)		10U
Butylbenzylphthalate	(ug/l)		10U
3,3'-Dichlorobenzidine	(ug/l)		10U
Benzo(a)anthracene	(ug/l)		10U
Chrysene	(ug/l)		10U
bis(2-Ethylhexyl) phthalate	(ug/l)		3JB
Di-n-octylphthalate	(ug/l)		10U
Benzo(b)fluoranthene	(ug/l)		10U

Ground Water SVOC Results

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	RCA-9	RCA-9
	SAMPLE ID	RCA - 9	A18Q8
	DATE	02/19/1999	12/18/2003
	RESULT TYPE	Primary	Primary
Benzo(k)fluoranthene	(ug/l)		10U
Benzo(a)pyrene	(ug/l)		10U
Indeno(1,2,3-cd)pyrene	(ug/l)		10U
Dibenzo(a,h)anthracene	(ug/l)		10U
Benzo(g,h,i)perylene	(ug/l)		10U
2,3,5,6-Tetrachlorophenol	(ug/l)		
2,6-Dimethylphenol	(ug/l)		
3,4-Dimethylphenol	(ug/l)		

Appendix L
Ground Water PAH Results
(low detection limit)

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	BR-1 D04387 12/11/2003 Primary	BR-2 D04388 12/17/2003 Primary	MW-002 D04390 12/10/2003 Primary	MW-002 D04419 12/10/2003 Duplicate 1
Benzo(a)anthracene	(ng/l)	14	9J	160	140
Benzo(a)pyrene	(ng/l)	10U	11U	78	75
Benzo(b)fluoranthene	(ng/l)	10U	11U	83	78
Benzo(k)fluoranthene	(ng/l)	10U	11U	28	22
Chrysene	(ng/l)	8.2J	7.6J	160	140
Dibenz(a,h) anthracene	(ng/l)	10U	11U	10J	10J
Indeno(1,2,3-cd)pyrene	(ng/l)	10U	11U	25	22
Naphthalene	(ng/l)	10U	300	41000	35000

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-003 D04391 12/11/2003 Primary	MW-004 D04392 12/12/2003 Primary	MW-005A D04393 12/15/2003 Primary	MW-005B D04394 12/11/2003 Primary
Benzo(a)anthracene	(ng/l)	17	10U	10U	10U
Benzo(a)pyrene	(ng/l)	20	10U	10U	10U
Benzo(b)fluoranthene	(ng/l)	37	10U	10U	10U
Benzo(k)fluoranthene	(ng/l)	15	10U	10U	10U
Chrysene	(ng/l)	47	10U	10U	10U
Dibenz(a,h) anthracene	(ng/l)	10U	10U	10U	10U
Indeno(1,2,3-cd)pyrene	(ng/l)	10U	10U	10U	10U
Naphthalene	(ng/l)	10U	10U	6700	12U

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-006 D04395 12/16/2003 Primary	MW-007A D04396 12/16/2003 Primary	MW-007B D04397 12/16/2003 Primary	MW-008A D04398 12/18/2003 Primary
Benzo(a)anthracene	(ng/l)	33	11U	11U	16
Benzo(a)pyrene	(ng/l)	21	13	9.9J	9.7J
Benzo(b)fluoranthene	(ng/l)	39	32	12	14
Benzo(k)fluoranthene	(ng/l)	13	23	13	7.8J
Chrysene	(ng/l)	30	11U	11U	18
Dibenz(a,h) anthracene	(ng/l)	10U	11U	11U	10U
Indeno(1,2,3-cd)pyrene	(ng/l)	11	11U	11U	10U
Naphthalene	(ng/l)	10U	3900	9500	160

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-008B D04399 12/18/2003 Primary	MW-009B D04400 12/17/2003 Primary	MW-009B D04420 12/17/2003 Duplicate 1	MW-010 D04401 12/16/2003 Primary
Benzo(a)anthracene	(ng/l)	15	10U	10U	10U
Benzo(a)pyrene	(ng/l)	10U	10U	10U	10U
Benzo(b)fluoranthene	(ng/l)	11	10U	10U	10U
Benzo(k)fluoranthene	(ng/l)	10U	10U	10U	10U
Chrysene	(ng/l)	12	10U	10U	10U
Dibenz(a,h) anthracene	(ng/l)	10U	10U	10U	10U
Indeno(1,2,3-cd)pyrene	(ng/l)	10U	10U	10U	10U
Naphthalene	(ng/l)	10U	10U	16	410

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-101R D04402 12/15/2003 Primary	MW-101R D05184 10/14/2004 Primary	MW-101R D05186 10/14/2004 Duplicate 1	MW-103R D04403 12/18/2003 Primary
Benzo(a)anthracene	(ng/l)	10U	10U	6.1J	10J
Benzo(a)pyrene	(ng/l)	10U	10U	7J	10U
Benzo(b)fluoranthene	(ng/l)	10U	10U	6.6J	8.3J
Benzo(k)fluoranthene	(ng/l)	10U	10U	8.4J	10U
Chrysene	(ng/l)	10U	10U	6.5J	9.2J
Dibenz(a,h) anthracene	(ng/l)	10U	10U	15	10U
Indeno(1,2,3-cd)pyrene	(ng/l)	10U	10U	13	10U
Naphthalene	(ng/l)	790	2100	2100	10J

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-103R D05185 10/15/2004 Primary	MW-105R D04404 12/12/2003 Primary	MW-105R D05187 10/13/2004 Primary	MW-107R D05188 10/13/2004 Primary
Benzo(a)anthracene	(ng/l)	11U	10J	11U	10U
Benzo(a)pyrene	(ng/l)	16	11	11U	10U
Benzo(b)fluoranthene	(ng/l)	10J	12	11U	10U
Benzo(k)fluoranthene	(ng/l)	11U	9J	11U	10U
Chrysene	(ng/l)	7.6J	23	11U	10U
Dibenz(a,h) anthracene	(ng/l)	11U	11U	11U	10U
Indeno(1,2,3-cd)pyrene	(ng/l)	11U	11U	11U	10U
Naphthalene	(ng/l)	120	39U	130	7.1J

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-109R D05189 10/15/2004 Primary	MW-111R D05190 10/14/2004 Primary	MW-A D04405 12/15/2003 Primary	MW-G D04406 12/12/2003 Primary
Benzo(a)anthracene	(ng/l)	10U	10U	12U	15
Benzo(a)pyrene	(ng/l)	10U	10U	12U	10U
Benzo(b)fluoranthene	(ng/l)	10U	10U	8.7J	10U
Benzo(k)fluoranthene	(ng/l)	10U	10U	12U	10U
Chrysene	(ng/l)	10U	10U	12U	10U
Dibenz(a,h) anthracene	(ng/l)	10U	10U	12U	10U
Indeno(1,2,3-cd)pyrene	(ng/l)	10U	10U	12U	10U
Naphthalene	(ng/l)	10U	8J	30000	6200

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-002 D04407 12/13/2003 Primary	PZ-007 D04408 12/15/2003 Primary	PZ-008 D04409 12/16/2003 Primary	RCA-1 D04410 12/11/2003 Primary
Benzo(a)anthracene	(ng/l)	10U	11U	10U	8.8J
Benzo(a)pyrene	(ng/l)	7.4J	13	12	11U
Benzo(b)fluoranthene	(ng/l)	9.6J	39	10J	11U
Benzo(k)fluoranthene	(ng/l)	10U	22	10J	11U
Chrysene	(ng/l)	12	11U	10U	11U
Dibenz(a,h) anthracene	(ng/l)	10U	11U	10U	11U
Indeno(1,2,3-cd)pyrene	(ng/l)	10U	11U	10U	11U
Naphthalene	(ng/l)	10U	180	8600	11U

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-2 D04411 12/11/2003 Primary	RCA-3 D04412 12/12/2003 Primary	RCA-4 D04413 12/12/2003 Primary	RCA-5 D04414 12/10/2003 Primary
Benzo(a)anthracene	(ng/l)	10U	10U	10U	10U
Benzo(a)pyrene	(ng/l)	10U	10U	10U	10U
Benzo(b)fluoranthene	(ng/l)	10U	10U	10U	10U
Benzo(k)fluoranthene	(ng/l)	10U	10U	10U	10U
Chrysene	(ng/l)	10U	10U	10U	10U
Dibenz(a,h) anthracene	(ng/l)	10U	10U	10U	10U
Indeno(1,2,3-cd)pyrene	(ng/l)	10U	10U	10U	10U
Naphthalene	(ng/l)	10U	10U	10U	10U

Ground Water PAH Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-6 D04415 12/10/2003 Primary	RCA-8 D04417 12/18/2003 Primary	RCA-9 D04418 12/18/2003 Primary
Benzo(a)anthracene	(ng/l)	10U	10J	11U
Benzo(a)pyrene	(ng/l)	10U	10U	11U
Benzo(b)fluoranthene	(ng/l)	10U	10U	7.5J
Benzo(k)fluoranthene	(ng/l)	10U	10U	11U
Chrysene	(ng/l)	10U	7.4J	11U
Dibenz(a,h) anthracene	(ng/l)	10U	10U	11U
Indeno(1,2,3-cd)pyrene	(ng/l)	10U	10U	11U
Naphthalene	(ng/l)	10U	33	11U

Appendix M
Ground Water Phenol Results
(low detection limit)

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	BR-1 D04387 12/11/2003 Primary	BR-2 D04388 12/17/2003 Primary	MW-002 D04390 12/10/2003 Primary	MW-002 D04419 12/10/2003 Duplicate 1
2,4,6-Trichlorophenol	(ug/l)	0.2U	0.2U	0.28	0.29
2-Chlorophenol	(ug/l)	1U	1U	1U	1U
Pentachlorophenol	(ug/l)	0.2U	660	980	1100
2,6-Dimethylphenol	(ug/l)	1U	1U	1U	1U
3,4-Dimethylphenol	(ug/l)	1U	1U	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	0.2U	24E	27J	24J
2,4-Dinitrophenol	(ug/l)				

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-003 D04391 12/11/2003 Primary	MW-004 D04392 12/12/2003 Primary	MW-005A D04393 12/15/2003 Primary	MW-005B D04394 12/11/2003 Primary
2,4,6-Trichlorophenol	(ug/l)	0.042J	0.2U	0.34	0.16J
2-Chlorophenol	(ug/l)	1U	1U	1U	1U
Pentachlorophenol	(ug/l)	1400	0.2U	1400	8.5
2,6-Dimethylphenol	(ug/l)	1U	1U	1U	1U
3,4-Dimethylphenol	(ug/l)	1U	1U	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	40J	0.2U	39J	1.3
2,4-Dinitrophenol	(ug/l)				

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-006 D04395 12/16/2003 Primary	MW-007A D04396 12/16/2003 Primary	MW-007B D04397 12/16/2003 Primary	MW-008A D04398 12/18/2003 Primary
2,4,6-Trichlorophenol	(ug/l)	0.096J	0.21	0.059J	0.2U
2-Chlorophenol	(ug/l)	1U	1U	1U	1U
Pentachlorophenol	(ug/l)	8100	3500	1900	460
2,6-Dimethylphenol	(ug/l)	1U	1U	1U	1U
3,4-Dimethylphenol	(ug/l)	1	1U	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	180J	53J	55J	23
2,4-Dinitrophenol	(ug/l)				

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-008B D04399 12/18/2003 Primary	MW-009B D04400 12/17/2003 Primary	MW-009B D04420 12/17/2003 Duplicate 1	MW-010 D04401 12/16/2003 Primary
2,4,6-Trichlorophenol	(ug/l)	0.2U	0.032J	0.2U	0.045J
2-Chlorophenol	(ug/l)	1U	1U	1U	1U
Pentachlorophenol	(ug/l)	82	990	580	1700
2,6-Dimethylphenol	(ug/l)	1U	1U	1U	1U
3,4-Dimethylphenol	(ug/l)	1U	1U	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	3.4	37E	23E	79J
2,4-Dinitrophenol	(ug/l)				

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-101R D04402 12/15/2003 Primary	MW-101R D04787 04/16/2004 Primary	MW-101R D05184 10/14/2004 Primary	MW-101R D05186 10/14/2004 Duplicate 1
2,4,6-Trichlorophenol	(ug/l)	0.1J		0.2U	0.2U
2-Chlorophenol	(ug/l)	1U		1U	1U
Pentachlorophenol	(ug/l)	3100	2200	3000	3000
2,6-Dimethylphenol	(ug/l)	1U		1U	1U
3,4-Dimethylphenol	(ug/l)	1U		1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	110J		450E	460E
2,4-Dinitrophenol	(ug/l)				

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-103R	MW-103R	MW-105R	MW-105R
	SAMPLE ID	D04403	D05185	D04404	D05187
	DATE	12/18/2003	10/15/2004	12/12/2003	10/13/2004
	RESULT TYPE	Primary	Primary	Primary	Primary
2,4,6-Trichlorophenol	(ug/l)	5.2E	5.1E	0.034J	0.2U
2-Chlorophenol	(ug/l)	1U	1U	1U	1U
Pentachlorophenol	(ug/l)	210	190	340	650
2,6-Dimethylphenol	(ug/l)	1U	1U	1U	1U
3,4-Dimethylphenol	(ug/l)	1U	1U	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	10	16E	13J	33E
2,4-Dinitrophenol	(ug/l)				

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-107R D05188 10/13/2004 Primary	MW-109R D05189 10/15/2004 Primary	MW-111R D05190 10/14/2004 Primary	MW-A D04405 12/15/2003 Primary
2,4,6-Trichlorophenol	(ug/l)	0.2U	0.2U	0.2U	0.1J
2-Chlorophenol	(ug/l)	1U	1U	1U	1U
Pentachlorophenol	(ug/l)	0.2U	0.2U	4	5300
2,6-Dimethylphenol	(ug/l)	1U	1U	1U	1U
3,4-Dimethylphenol	(ug/l)	1U	1U	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	0.2U	0.2U	0.4	250J
2,4-Dinitrophenol	(ug/l)				

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-G	PW-001	PW-001	PZ-001
	SAMPLE ID	D04406	D04788	D04789	D03559
	DATE	12/12/2003	04/15/2004	04/15/2004	12/11/2002
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
2,4,6-Trichlorophenol	(ug/l)	0.071J			0.2U
2-Chlorophenol	(ug/l)	1U			0.2UJ
Pentachlorophenol	(ug/l)	2200	110	120D	0.2U
2,6-Dimethylphenol	(ug/l)	1U			
3,4-Dimethylphenol	(ug/l)	1U			
2,3,5,6-Tetrachlorophenol	(ug/l)	92J			
2,4-Dinitrophenol	(ug/l)				1UJ

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-002 D03560 12/11/2002 Primary	PZ-002 D04407 12/13/2003 Primary	PZ-004 D03563 12/12/2002 Primary	PZ-005 D03564 12/12/2002 Primary
2,4,6-Trichlorophenol	(ug/l)	0.2U	0.2U	0.2U	0.2U
2-Chlorophenol	(ug/l)	0.2UJ	1U	0.2UJ	0.2UJ
Pentachlorophenol	(ug/l)	4.8J	0.54U	0.2U	28J
2,6-Dimethylphenol	(ug/l)		1U		
3,4-Dimethylphenol	(ug/l)		1U		
2,3,5,6-Tetrachlorophenol	(ug/l)		0.045J		
2,4-Dinitrophenol	(ug/l)	1UJ		1UJ	1UJ

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-006 D03565 12/12/2002 Primary	PZ-007 D03566 12/11/2002 Primary	PZ-007 D04408 12/15/2003 Primary	PZ-008 D03562 12/10/2002 Primary
2,4,6-Trichlorophenol	(ug/l)	0.2U	0.2UJ	0.026J	0.2UJ
2-Chlorophenol	(ug/l)	0.2UJ	0.2UJ	1U	0.2UJ
Pentachlorophenol	(ug/l)	3J	10000J	7200	3700J
2,6-Dimethylphenol	(ug/l)			1U	
3,4-Dimethylphenol	(ug/l)			0.51J	
2,3,5,6-Tetrachlorophenol	(ug/l)			200J	
2,4-Dinitrophenol	(ug/l)	1U	1UJ		1UJ

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-008 D03561 12/10/2002 Duplicate 1	PZ-008 D04409 12/16/2003 Primary	RCA-1 D04410 12/11/2003 Primary	RCA-2 D04411 12/11/2003 Primary
2,4,6-Trichlorophenol	(ug/l)	0.2UJ	0.042J	0.2U	0.2U
2-Chlorophenol	(ug/l)	0.2UJ	1U	1U	1U
Pentachlorophenol	(ug/l)	3700J	4000	0.91U	0.44U
2,6-Dimethylphenol	(ug/l)		1U	1U	1U
3,4-Dimethylphenol	(ug/l)		0.88J	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)		190J	0.2U	0.2U
2,4-Dinitrophenol	(ug/l)	1UJ			

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-3 D04412 12/12/2003 Primary	RCA-4 D04413 12/12/2003 Primary	RCA-5 D04414 12/10/2003 Primary	RCA-6 D04415 12/10/2003 Primary
2,4,6-Trichlorophenol	(ug/l)	0.2U	0.2U	0.2U	0.2U
2-Chlorophenol	(ug/l)	1U	1U	1U	1U
Pentachlorophenol	(ug/l)	0.2U	0.73U	0.2U	0.35U
2,6-Dimethylphenol	(ug/l)	1U	1U	1U	1U
3,4-Dimethylphenol	(ug/l)	1U	1U	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	0.2U	0.2U	0.2U	0.2U
2,4-Dinitrophenol	(ug/l)				

Ground Water Phenol Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-8 D04417 12/18/2003 Primary	RCA-9 D04418 12/18/2003 Primary
2,4,6-Trichlorophenol	(ug/l)	0.2U	0.2U
2-Chlorophenol	(ug/l)	1U	1U
Pentachlorophenol	(ug/l)	18	2.1
2,6-Dimethylphenol	(ug/l)	1U	1U
3,4-Dimethylphenol	(ug/l)	1U	1U
2,3,5,6-Tetrachlorophenol	(ug/l)	1.9	0.054J
2,4-Dinitrophenol	(ug/l)		

Appendix N
Ground Water Metals/Cyanide Results

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	BR-1 D04387 12/11/2003 Primary	BR-2 D04388 12/17/2003 Primary	MW-002 D01856 11/19/2001 Primary	MW-002 D04390 12/10/2003 Primary
Aluminum	(ug/l)	120	15U	32.6J	44.9
Antimony	(ug/l)	0.25U	0.25U	0.91	0.39B
Arsenic	(ug/l)	0.57	2	263	161
Barium	(ug/l)	16.5	43.2	71.5	31.5
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.05U	0.05U	0.05U	0.05U
Calcium	(ug/l)	8080	48100	16800	8000
Chromium(total)	(ug/l)	2.5U	2.5U	14.8	7.7B
Chromium (Hexavalent)	(ug/l)			100UJ	
Cobalt	(ug/l)	1U	1U	10	4.6
Copper	(ug/l)	1.2B	1U	2.3	2.1
Iron	(ug/l)	259	3310	26700	10100
Lead	(ug/l)	0.13B	0.1U	0.47	0.54
Magnesium	(ug/l)	1230	4080	823	399
Manganese	(ug/l)	52.3	406	2490	1060
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	1880	1120	3680	1960
Selenium	(ug/l)	0.75U	0.75U	0.5U	0.75U
Silver	(ug/l)	0.25U	0.25U	0.1U	0.25U
Sodium	(ug/l)	40500	6460	6240	7520
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	7B	5U	5.1J	5.5B
Cyanide	(ug/l)			5.0U	

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D04419 12/10/2003 Duplicate 1	MW-003 D01857 11/16/2001 Primary	MW-003 D04391 12/11/2003 Primary	MW-004 D01858 11/13/2001 Primary
Aluminum	(ug/l)	43.5	129	152	13.5J
Antimony	(ug/l)	0.39B	3	2.7	0.25U
Arsenic	(ug/l)	162	401	940	2.3
Barium	(ug/l)	31.4	38.1	38.5	31.8
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.05U	0.47	0.37	0.05U
Calcium	(ug/l)	7970	20600	19800	16100
Chromium(total)	(ug/l)	7.6B	4.6J	7.3B	2.5U
Chromium (Hexavalent)	(ug/l)		10U		100U
Cobalt	(ug/l)	5.4	26.1	28.2	1U
Copper	(ug/l)	2.2	1.8J	1.2B	1U
Iron	(ug/l)	10100	749	1110	9940
Lead	(ug/l)	0.52	0.46	0.32	0.1J
Magnesium	(ug/l)	399	2880	2790	2670
Manganese	(ug/l)	1050	3600	3760	631
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	9.2	17.6B	2.5U
Potassium	(ug/l)	1980	3580	3470	2760
Selenium	(ug/l)	0.75U	0.5J	0.75U	0.5U
Silver	(ug/l)	0.25U	0.1U	0.25U	0.1U
Sodium	(ug/l)	7480	27800	38600	34300
Thallium	(ug/l)	0.1U	0.27	0.18B	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	6.1B	19	24.2	5U
Cyanide	(ug/l)		5.0U		5.0U

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-004 D04392 12/12/2003 Primary	MW-005A D01859 11/15/2001 Primary	MW-005A D01860 11/15/2001 Duplicate 1	MW-005A D04393 12/15/2003 Primary
Aluminum	(ug/l)	15U	80.4	84.2	85.4
Antimony	(ug/l)	0.25U	0.25U	0.25U	0.25U
Arsenic	(ug/l)	1.8	33	32.9	37.3
Barium	(ug/l)	36.3	35.9	35.7	36.9
Beryllium	(ug/l)	0.1U	0.14J	0.14J	0.16B
Cadmium	(ug/l)	0.05U	0.09J	0.08J	0.11B
Calcium	(ug/l)	19400	10400	10500	11000
Chromium(total)	(ug/l)	2.5U	11	10.8	9B
Chromium (Hexavalent)	(ug/l)		10UJ	100UJ	
Cobalt	(ug/l)	1U	3.4	3.5	3.4
Copper	(ug/l)	1U	1U	1U	1U
Iron	(ug/l)	12500	2500	2510	3120
Lead	(ug/l)	0.1U	0.14J	0.11J	0.15B
Magnesium	(ug/l)	3310	1680	1690	1830
Manganese	(ug/l)	746	500	503	529
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	2510	1940	2040	2070
Selenium	(ug/l)	0.75U	0.5U	0.53J	0.75U
Silver	(ug/l)	0.25U	0.1U	0.1U	0.25U
Sodium	(ug/l)	44600	27500	27600	25000
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	5U	19.2	19.2	18.4B
Cyanide	(ug/l)		5.0U	5.0U	

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-005B D01861 11/14/2001 Primary	MW-005B D04394 12/11/2003 Primary	MW-006 D01862 11/15/2001 Primary	MW-006 D04395 12/16/2003 Primary
Aluminum	(ug/l)	138	15U	789	666
Antimony	(ug/l)	0.25U	0.42B	1.3	0.96
Arsenic	(ug/l)	79.8	98.6	519	419
Barium	(ug/l)	39.7	54.5	79.9	69.6
Beryllium	(ug/l)	0.1U	0.1U	0.17J	0.14B
Cadmium	(ug/l)	0.07J	0.05U	0.51	1.1
Calcium	(ug/l)	17700	15500	11900	9930
Chromium(total)	(ug/l)	10.4	9.4B	15.9	14.1
Chromium (Hexavalent)	(ug/l)	10UJ		50U	
Cobalt	(ug/l)	3	3.5	11.7	11.8
Copper	(ug/l)	1.4J	1.5B	1J	3.2
Iron	(ug/l)	4140	3360	3310	3410
Lead	(ug/l)	2.3	2.3	0.1U	0.21
Magnesium	(ug/l)	2620	2380	1740	1410
Manganese	(ug/l)	804	756	6000	4680
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	2610	3580	2380	2000
Selenium	(ug/l)	0.5U	0.75U	0.5U	0.75U
Silver	(ug/l)	0.1U	0.25U	0.1U	0.25U
Sodium	(ug/l)	25500	27000	23000	18600
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	8.7J	10.9B	13.5	16.7B
Cyanide	(ug/l)	5.0U		5.0U	

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-007A	MW-007A	MW-007B	MW-007B
	SAMPLE ID	D01863	D04396	D02002	D04397
	DATE	11/15/2001	12/16/2003	11/15/2001	12/16/2003
	RESULT TYPE	Primary	Primary	Primary	Primary
Aluminum	(ug/l)	147	183	700	214
Antimony	(ug/l)	0.47J	0.67	1.2J	1.3
Arsenic	(ug/l)	14.3	10.8	547	573
Barium	(ug/l)	117	63.2	28.6	27.7
Beryllium	(ug/l)	0.1U	0.1U	0.61J	0.41
Cadmium	(ug/l)	0.24	0.12B	0.05J	0.05U
Calcium	(ug/l)	16700	11600	14800	13300
Chromium(total)	(ug/l)	3.6J	2.5B	15.9	10.6
Chromium (Hexavalent)	(ug/l)	100UJ		50U	
Cobalt	(ug/l)	15.2	9.7	6	5.3
Copper	(ug/l)	3	4.4	5	1.1B
Iron	(ug/l)	20500	15800	5450	4270
Lead	(ug/l)	0.58	0.72	1.4J	0.36
Magnesium	(ug/l)	2190	2470	2370	2050
Manganese	(ug/l)	1460	1130	4710	3570
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	4.1J	3.6B	2.5U	2.5U
Potassium	(ug/l)	3180	2290	1560	1570
Selenium	(ug/l)	1.1	1.2B	0.5U	0.75U
Silver	(ug/l)	0.1U	0.25U	0.1U	0.25U
Sodium	(ug/l)	17400	11000	24400	30000
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	3.4J	2.5U
Zinc	(ug/l)	34.8	29.8	9.5J	6.3B
Cyanide	(ug/l)	5.0U		5.0U	

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-008A D01864 11/13/2001 Primary	MW-008A D04398 12/18/2003 Primary	MW-008B D01865 11/14/2001 Primary	MW-008B D04399 12/18/2003 Primary
Aluminum	(ug/l)	21.8J	31	66.6	26.3
Antimony	(ug/l)	0.25U	0.25U	0.25U	0.25U
Arsenic	(ug/l)	3.8	3	7.1	10.6
Barium	(ug/l)	29.6	19.5	41	43.9
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.14	0.23	0.05J	0.05U
Calcium	(ug/l)	11200	9770	33300	32000
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)	100UJ		10U	
Cobalt	(ug/l)	4	5	5.1	5.2
Copper	(ug/l)	1.4J	1.2B	1U	1U
Iron	(ug/l)	14000	13800	1090	1560
Lead	(ug/l)	0.23	0.1U	0.41	0.12B
Magnesium	(ug/l)	1900	1700	3820	3710
Manganese	(ug/l)	3180	1510	682	757
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.7B	2.5U	2.5U
Potassium	(ug/l)	4820	4110	1370	1370
Selenium	(ug/l)	0.5U	0.75U	0.5U	0.75U
Silver	(ug/l)	0.1U	0.25U	0.1U	0.25U
Sodium	(ug/l)	43400	24700	15700	16200
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	5.9J	8.8B	5.2J	5U
Cyanide	(ug/l)	5.0U		5.0U	

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-009A	MW-009B	MW-009B	MW-009B
	SAMPLE ID	D01866	D01867	D04400	D04420
	DATE	11/16/2001	11/14/2001	12/17/2003	12/17/2003
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Aluminum	(ug/l)	345	105	16.6	15U
Antimony	(ug/l)	0.25U	0.25U	0.25U	0.25U
Arsenic	(ug/l)	0.12J	6.1	9.2	9.1
Barium	(ug/l)	54.7	40.9	40.2	40.1
Beryllium	(ug/l)	0.29	0.11J	0.1U	0.1U
Cadmium	(ug/l)	0.36	0.05U	0.05U	0.05U
Calcium	(ug/l)	7080	39900	38700	38700
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)	10U	10U		
Cobalt	(ug/l)	31.6	2	3	3.2
Copper	(ug/l)	4.3	1.1J	1U	1U
Iron	(ug/l)	27.3J	489	433	427
Lead	(ug/l)	0.21	0.63	0.13B	0.11B
Magnesium	(ug/l)	1570	3940	3870	3850
Manganese	(ug/l)	1610	622	680	679
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	9.2	2.5U	2.5U	2.5U
Potassium	(ug/l)	1210	925	875	830
Selenium	(ug/l)	0.61J	0.5U	0.75U	0.75U
Silver	(ug/l)	0.1U	0.1U	0.25U	0.25U
Sodium	(ug/l)	6550	10400	10500	10500
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	34	5U	5U	5U
Cyanide	(ug/l)	5.0U	5.0U		

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-010 D01868 11/14/2001 Primary	MW-010 D04401 12/16/2003 Primary	MW-011 D01869 11/16/2001 Primary	MW-012 D01870 11/19/2001 Primary
Aluminum	(ug/l)	37.8J	540	217	75.5
Antimony	(ug/l)	0.25U	0.25U	0.25U	0.25U
Arsenic	(ug/l)	6.4	10.2	0.55	1.1
Barium	(ug/l)	11.9	16.7	86	16.6
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.12J
Cadmium	(ug/l)	0.05U	0.05U	0.2	0.14
Calcium	(ug/l)	17500	20200	14500	11000
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)	100UJ		10U	10U
Cobalt	(ug/l)	8	5.5	2.4	12.1
Copper	(ug/l)	1U	5.9	1U	1U
Iron	(ug/l)	6250	6850	308	1330
Lead	(ug/l)	0.61	1.4	0.32	0.17J
Magnesium	(ug/l)	3310	3990	2410	1340
Manganese	(ug/l)	688	696	60.1	2410
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	11.3B	3.3J	3.6J
Potassium	(ug/l)	784	919	4100	760
Selenium	(ug/l)	0.5U	0.75U	0.5U	0.5U
Silver	(ug/l)	0.1U	0.25U	0.1U	0.1U
Sodium	(ug/l)	11900	11100	30800	5430
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	8J	7.9B	15	5.2J
Cyanide	(ug/l)	5.0U		5.0U	5.0U

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-101R D04402 12/15/2003 Primary	MW-101R D04787 04/16/2004 Primary	MW-101R D05184 10/14/2004 Primary	MW-101R D05186 10/14/2004 Duplicate 1
Aluminum	(ug/l)	5600	283	709	546
Antimony	(ug/l)	0.83	0.5	0.28B	0.3B
Arsenic	(ug/l)	37	20.1	23.5	23.8
Barium	(ug/l)	45.2	24.5	24.5	23.9
Beryllium	(ug/l)	0.51	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.14B	0.06B	0.05U	0.05U
Calcium	(ug/l)	35500	41800	39700	39500
Chromium(total)	(ug/l)	3.2B	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)				
Cobalt	(ug/l)	17.4	15.5	12.7	12.1
Copper	(ug/l)	4.8	1.9B	1U	1U
Iron	(ug/l)	2550	310	710	652
Lead	(ug/l)	7.5	0.33	0.9	0.81
Magnesium	(ug/l)	3210	3740	3830	3790
Manganese	(ug/l)	1100	2600	2870	2860
Mercury	(ug/l)	0.1	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	7330	4130	3110	3120
Selenium	(ug/l)	2B	0.75U	0.75U	0.76B
Silver	(ug/l)	0.25U	0.25UN	0.25U	0.25U
Sodium	(ug/l)	44400	33200	27600	27700
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	10.3	2.5U	2.5U	2.5U
Zinc	(ug/l)	15.8B	5U	5U	5U
Cyanide	(ug/l)				

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-103R D04403 12/18/2003 Primary	MW-103R D05185 10/15/2004 Primary	MW-105R D04404 12/12/2003 Primary	MW-105R D05187 10/13/2004 Primary
Aluminum	(ug/l)	724	79.8	795	51.2
Antimony	(ug/l)	0.26B	0.25U	0.43B	0.25U
Arsenic	(ug/l)	3.6	1.6	8.8	1.6
Barium	(ug/l)	25	13.3	10.6	25.8
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.05U	0.05U	0.05U	0.05U
Calcium	(ug/l)	42400	45300	32500	31100
Chromium(total)	(ug/l)	2.5U	2.5U	4.5B	2.5U
Chromium (Hexavalent)	(ug/l)				
Cobalt	(ug/l)	1.5B	1U	9	13.1
Copper	(ug/l)	3.9	4.2	2.1	1U
Iron	(ug/l)	1550	1020	68.8B	137
Lead	(ug/l)	1.2	0.22	0.15B	0.1U
Magnesium	(ug/l)	4430	4390	1010	2380
Manganese	(ug/l)	1070	1440	120	1690
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	4410	1640	5730	1380
Selenium	(ug/l)	0.75U	0.75U	0.75U	0.75U
Silver	(ug/l)	0.25U	0.25U	0.25U	0.25U
Sodium	(ug/l)	25900	24100	8570	7140
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	13.6	2.5U
Zinc	(ug/l)	5U	5U	5U	5U
Cyanide	(ug/l)				

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-107R D05188 10/13/2004 Primary	MW-109R D05189 10/15/2004 Primary	MW-111R D05190 10/14/2004 Primary	MW-A D04405 12/15/2003 Primary
Aluminum	(ug/l)	164	175	229	270
Antimony	(ug/l)	0.25U	0.25U	0.25U	0.25U
Arsenic	(ug/l)	4.2	2.5	3.6	39.3
Barium	(ug/l)	5.7	10.1	22.8	18.1
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.05U	0.05U	0.05U	0.05U
Calcium	(ug/l)	30900	18700	31800	10100
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)				
Cobalt	(ug/l)	1U	1U	1U	1U
Copper	(ug/l)	1U	1U	1U	1B
Iron	(ug/l)	78.8B	145	96.9B	19900
Lead	(ug/l)	0.1U	0.12B	0.1U	0.43
Magnesium	(ug/l)	1520	2620	1210	2210
Manganese	(ug/l)	49	184	16.6	585
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	2380	3190	3060	522
Selenium	(ug/l)	0.92B	2.1B	0.75U	0.75U
Silver	(ug/l)	0.25U	0.25U	0.25U	0.25U
Sodium	(ug/l)	7740	6690	13300	12300
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.6B	2.5U
Zinc	(ug/l)	5U	5U	5U	5U
Cyanide	(ug/l)				

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-G D04406 12/12/2003 Primary	PW-001 D04788 04/15/2004 Primary	PW-001 D04789 04/15/2004 Duplicate 1	PZ-001 D03559 12/11/2002 Primary
Aluminum	(ug/l)	28.2	63.9	60	7.5U
Antimony	(ug/l)	0.25U	5.4	0.5B	0.25U
Arsenic	(ug/l)	0.75	5.7	2.7	0.65
Barium	(ug/l)	13.3	17.8	13.2	18.6
Beryllium	(ug/l)	0.1U	1.8	0.1U	0.1U
Cadmium	(ug/l)	0.05U	2	0.06B	0.05U
Calcium	(ug/l)	12200	44600	44100	14600
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)				
Cobalt	(ug/l)	1.1B	2.2	1U	1U
Copper	(ug/l)	1U	1U	1U	1U
Iron	(ug/l)	6840	181	151	3920
Lead	(ug/l)	0.14B	2.5	0.54	0.1U
Magnesium	(ug/l)	2750	5290	5230	2710
Manganese	(ug/l)	1180	68.8	66.2	568
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.8B	2.5U	2.5U
Potassium	(ug/l)	694	1460	1440	1110
Selenium	(ug/l)	0.75U	30.8	0.9B	0.75U
Silver	(ug/l)	0.25U	8.3N	0.25UN	0.2U
Sodium	(ug/l)	11900	21400	21000	15000
Thallium	(ug/l)	0.1U	4.6	0.1U	0.1U
Vanadium	(ug/l)	2.5U	3B	2.5U	2.5U
Zinc	(ug/l)	5U	5U	5U	5U
Cyanide	(ug/l)				

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-002 D03560 12/11/2002 Primary	PZ-002 D04407 12/13/2003 Primary	PZ-004 D03563 12/12/2002 Primary	PZ-005 D03564 12/12/2002 Primary
Aluminum	(ug/l)	855	549	179	76
Antimony	(ug/l)	0.25U	0.31B	0.73J	0.25U
Arsenic	(ug/l)	3.3	1.8	0.72J	2.2J
Barium	(ug/l)	33.3	16.2	30.5	12
Beryllium	(ug/l)	0.25	0.26	0.1U	0.1U
Cadmium	(ug/l)	0.29J	0.08B	0.086J	0.05U
Calcium	(ug/l)	11800	6360	13600	12600
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)				
Cobalt	(ug/l)	5.7	2.4	1.3J	1U
Copper	(ug/l)	1.6J	1.2B	1.8J	1U
Iron	(ug/l)	7350	5800	2080	13800
Lead	(ug/l)	0.69	0.46	0.72	0.22U
Magnesium	(ug/l)	2140	1140	2470	2580
Manganese	(ug/l)	429	219	218	453
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	4.3J	2.6B	2.5U	2.5U
Potassium	(ug/l)	613	354	2600	800
Selenium	(ug/l)	0.75U	0.75U	0.79J	0.75U
Silver	(ug/l)	0.2U	0.25U	0.2U	0.2U
Sodium	(ug/l)	6030	3850	53400	12000
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.7J	3.9B	2.5U	2.5U
Zinc	(ug/l)	41.4	21.1	22.3	5U
Cyanide	(ug/l)				

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-006 D03565 12/12/2002 Primary	PZ-007 D03566 12/11/2002 Primary	PZ-007 D04408 12/15/2003 Primary	PZ-008 D03562 12/10/2002 Primary
Aluminum	(ug/l)	48.2U	81.6	80.6	402
Antimony	(ug/l)	0.25U	0.25U	0.25U	0.25U
Arsenic	(ug/l)	0.28J	28	0.38	1.1J
Barium	(ug/l)	15.7	30.9	16.2	51.8
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.27
Cadmium	(ug/l)	0.05U	0.73J	0.44	0.25J
Calcium	(ug/l)	14500	23500	9060	8130
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)				
Cobalt	(ug/l)	1U	3.2	3	7
Copper	(ug/l)	1U	1U	1.3B	1U
Iron	(ug/l)	3390	83.7J	50U	2540
Lead	(ug/l)	0.15UJ	0.17UJ	0.16B	0.26U
Magnesium	(ug/l)	3410	823	258	1460
Manganese	(ug/l)	822	14600	5320	1360
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	991	836	646	1280
Selenium	(ug/l)	0.75U	0.75U	0.75U	0.75U
Silver	(ug/l)	0.2U	0.2U	0.25U	0.2U
Sodium	(ug/l)	12000	6570	1560	3810
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	5U	5U	5U	12.9
Cyanide	(ug/l)				

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	PZ-008 D03561 12/10/2002 Duplicate 1	PZ-008 D04409 12/16/2003 Primary	RCA-1 D04410 12/11/2003 Primary	RCA-2 D04411 12/11/2003 Primary
Aluminum	(ug/l)	399	445	65.1	40.6
Antimony	(ug/l)	0.25U	0.27B	0.25U	0.26B
Arsenic	(ug/l)	1J	1	0.73	0.91
Barium	(ug/l)	52.5	52	56.8	37.4
Beryllium	(ug/l)	0.24	0.21	0.1U	0.1U
Cadmium	(ug/l)	0.26J	0.3	0.14B	0.05U
Calcium	(ug/l)	8260	8150	41600	28100
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)				
Cobalt	(ug/l)	7.1	7.2	1U	1U
Copper	(ug/l)	1U	1U	2.3	1U
Iron	(ug/l)	2590	2240	63B	474
Lead	(ug/l)	0.25U	0.29	0.28	0.16B
Magnesium	(ug/l)	1460	1330	1970	1710
Manganese	(ug/l)	1380	1160	9.1	180
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	3B	2.5U	2.5U
Potassium	(ug/l)	1220	1190	4600	2100
Selenium	(ug/l)	0.75U	0.75U	1.1B	0.75U
Silver	(ug/l)	0.2U	0.25U	0.25U	0.25U
Sodium	(ug/l)	3800	3320	8680	12000
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	13.2	27.7	13.5B	5U
Cyanide	(ug/l)				

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-3 D04412 12/12/2003 Primary	RCA-4 D04413 12/12/2003 Primary	RCA-5 D04414 12/10/2003 Primary	RCA-6 D04415 12/10/2003 Primary
Aluminum	(ug/l)	440	135	48.2	64.4
Antimony	(ug/l)	0.25U	0.25U	0.25U	1.9
Arsenic	(ug/l)	0.31	0.26	2.4	158
Barium	(ug/l)	17.1	15.2	19.6	25.3
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.07B	0.05U	0.05U	0.1B
Calcium	(ug/l)	6330	10800	4700	10100
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	241
Chromium (Hexavalent)	(ug/l)				
Cobalt	(ug/l)	1.7B	1U	1U	1U
Copper	(ug/l)	2.6	1U	1B	3.5
Iron	(ug/l)	702	193	64.5B	76B
Lead	(ug/l)	0.8	0.3	0.32	0.13B
Magnesium	(ug/l)	915	1890	727	1340
Manganese	(ug/l)	56.6	17	65.9	71.8
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	1180	1260	1740	2710
Selenium	(ug/l)	0.75U	0.75U	0.75U	0.75U
Silver	(ug/l)	0.25U	0.25U	0.25U	0.25U
Sodium	(ug/l)	6600	17400	39800	35600
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	8.5B	5.8B	5U	5U
Cyanide	(ug/l)				

Ground Water Metals/Cyanide Results
(low detection limit)

PERIOD: From 02/03/1997 thru 10/15/2004 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RCA-8 D04417 12/18/2003 Primary	RCA-9 D04418 12/18/2003 Primary
Aluminum	(ug/l)	44.1	169
Antimony	(ug/l)	0.25U	0.25U
Arsenic	(ug/l)	1.2	0.14B
Barium	(ug/l)	26.2	26.8
Beryllium	(ug/l)	0.1U	0.11B
Cadmium	(ug/l)	0.05U	0.13B
Calcium	(ug/l)	24900	5430
Chromium(total)	(ug/l)	2.5U	2.5U
Chromium (Hexavalent)	(ug/l)		
Cobalt	(ug/l)	1U	1.1B
Copper	(ug/l)	1U	2.3
Iron	(ug/l)	9140	122
Lead	(ug/l)	0.1U	0.29
Magnesium	(ug/l)	2280	926
Manganese	(ug/l)	223	68.7
Mercury	(ug/l)	0.1U	0.1U
Nickel	(ug/l)	2.5U	4.4B
Potassium	(ug/l)	3240	1340
Selenium	(ug/l)	0.81B	0.78B
Silver	(ug/l)	0.25U	0.25U
Sodium	(ug/l)	16100	10200
Thallium	(ug/l)	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U
Zinc	(ug/l)	5U	51.2
Cyanide	(ug/l)		

Appendix O
Ground Water Dioxin/Furan Results

Ground Water Dioxin/Furan Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01856 11/19/2001 Primary	MW-003 D01857 11/16/2001 Primary	MW-005A D01859 11/15/2001 Primary	MW-005A D01860 11/15/2001 Duplicate 1
2,3,7,8-TCDD	(ng/l)	0.0006UJ	0.0034UJ	0.0014*	0.0008UJ
1,2,3,7,8-PeCDD	(ng/l)	0.0013UJ	0.0098UJ*	0.0204J	0.0129J
1,2,3,4,7,8-HxCDD	(ng/l)	0.0073UJ	0.009UJ	0.236J	0.138J
1,2,3,6,7,8-HxCDD	(ng/l)	0.0246*	0.0329J	3.44J	3.34J
1,2,3,7,8,9-HxCDD	(ng/l)	0.0066UJ	0.0133UJ*	0.52J	0.315J
1,2,3,4,6,7,8-HpCDD	(ng/l)	0.605J	0.889J	109J	106J
OCDD	(ng/l)	6.28J	6.97J	737J	697J
2,3,7,8-TCDF	(ng/l)	0.0005UJ	0.0028UJ	0.0023UJ	0.0023UJ
1,2,3,7,8-PeCDF	(ng/l)	0.0007UJ*	0.0055UJ*	0.0159J	0.0163J
2,3,4,7,8-PeCDF	(ng/l)	0.0007UJ*	0.0048UJ	0.0515J	0.0532J
1,2,3,4,7,8-HxCDF	(ng/l)	0.0056UJ*	0.0085UJ	0.447J	0.438J
1,2,3,6,7,8-HxCDF	(ng/l)	0.0016UJ	0.007UJ	0.0839J	0.0967J
2,3,4,6,7,8-HxCDF	(ng/l)	0.0035UJ*	0.0137J	0.277J	0.207J
1,2,3,7,8,9-HxCDF	(ng/l)	0.002UJ	0.0057UJ	0.089J	0.0719J
1,2,3,4,6,7,8-HpCDF	(ng/l)	0.181J	0.151J	21.5J	20.2J
1,2,3,4,7,8,9-HpCDF	(ng/l)	0.0153J	0.0142*	1.06J	0.94J
OCDF	(ng/l)	1.42J	0.809J	115J	120J
TCDDs (total)	(ng/l)	0.0006UJ	0.0034UJ	0.0109*	0.0058*
PeCDDs (total)	(ng/l)	0.0051UJ*	0.0098UJ*	0.0824*	0.0533J
HxCDDs (Total)	(ng/l)	0.0615UJ*	0.115*	8.66J	7.87J
HpCDDs (total)	(ng/l)	0.944J	1.34J	159J	154J
TCDFs (total)	(ng/l)	0.0203J	0.0028U	0.0495*	0.0333*
PeCDFs (total)	(ng/l)	0.0013UJ*	0.0205UJ*	0.628*	0.424*
HxCDFs (total)	(ng/l)	0.145*	0.187J	16.9*	16.3J
HpCDFs (total)	(ng/l)	0.945J	0.686*	120J	119J
TEQ EMPC (ND=0) 1989	(ng/l)	0.018J	0.022J	2.7J	2.6J
TEQ EMPC (ND=0) 1998	(ng/l)	0.011J	0.015J	1.9J	1.8J

Ground Water Dioxin/Furan Results

PERIOD: From 02/03/1997 thru 12/18/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-006 D01862 11/15/2001 Primary	MW-007A D01863 11/15/2001 Primary	MW-008A D01864 11/13/2001 Primary	MW-012 D01870 11/19/2001 Primary
2,3,7,8-TCDD	(ng/l)	0.0012UJ	0.0011UJ	0.0013UJ	0.002*
1,2,3,7,8-PeCDD	(ng/l)	0.0034UJ	0.0019UJ	0.0025UJ	0.0028UJ
1,2,3,4,7,8-HxCDD	(ng/l)	0.0342J	0.0108UJ	0.0095UJ	0.0134J
1,2,3,6,7,8-HxCDD	(ng/l)	0.695J	0.147J	0.0435J	0.226J
1,2,3,7,8,9-HxCDD	(ng/l)	0.0778J	0.021J	0.0098UJ	0.0245J
1,2,3,4,6,7,8-HpCDD	(ng/l)	22.5J	4.15J	1.11J	7.47J
OCDD	(ng/l)	192J	38J	10.7J	63.9J
2,3,7,8-TCDF	(ng/l)	0.0008UJ	0.0006UJ	0.0033UJ	0.0009UJ
1,2,3,7,8-PeCDF	(ng/l)	0.0033UJ	0.0021UJ	0.0042UJ	0.0029UJ
2,3,4,7,8-PeCDF	(ng/l)	0.011J	0.0062UJ	0.0028UJ	0.0046UJ
1,2,3,4,7,8-HxCDF	(ng/l)	0.0996J	0.027J	0.0089UJ	0.0322J
1,2,3,6,7,8-HxCDF	(ng/l)	0.0142UJ	0.0048UJ	0.003UJ*	0.0083UJ
2,3,4,6,7,8-HxCDF	(ng/l)	0.0645J	0.0163J	0.0061UJ	0.0213J
1,2,3,7,8,9-HxCDF	(ng/l)	0.0222J	0.0078UJ	0.0038UJ	0.0084UJ
1,2,3,4,6,7,8-HpCDF	(ng/l)	3.69J	0.659J	0.219J	1.29J
1,2,3,4,7,8,9-HpCDF	(ng/l)	0.279J	0.0573J	0.0239J	0.0879J
OCDF	(ng/l)	23.7J	5.06J	1.77J	8.14J
TCDDs (total)	(ng/l)	0.0012UJ	0.0011UJ	0.0066*	0.002*
PeCDDs (total)	(ng/l)	0.0034UJ	0.0019UJ	0.0081UJ	0.0028UJ
HxCDDs (Total)	(ng/l)	1.69J	0.383*	0.115J	0.541*
HpCDDs (total)	(ng/l)	34.1J	6.24J	1.68J	11.3J
TCDFs (total)	(ng/l)	0.0015UJ	0.0013UJ	0.0052UJ*	0.0021UJ
PeCDFs (total)	(ng/l)	0.0681*	0.0293UJ*	0.0123UJ*	0.0222*
HxCDFs (total)	(ng/l)	3.34*	0.618J	0.182*	1.04J
HpCDFs (total)	(ng/l)	19.4J	3.45J	1.13J	6.58J
TEQ EMPC (ND=0) 1989	(ng/l)	0.58J	0.11J	0.03J	0.19J
TEQ EMPC (ND=0) 1998	(ng/l)	0.38J	0.072J	0.019J	0.13J

Appendix P
Subsurface Water VOC Results

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	ABOVE - PLANT 03/21/1988 Primary	FP 10/16/1998 Primary	RRHP03-W 10/16/1998 Primary	RRUS-W 10/16/1998 Primary
Dichlorodifluoromethane	(ug/l)				
Chloromethane	(ug/l)		10U	10U	10U
Vinyl chloride	(ug/l)		10U	10U	10U
Bromomethane	(ug/l)		10U	10U	10U
Chloroethane	(ug/l)		10U	10U	10U
Trichlorofluoromethane	(ug/l)				
1,1-Dichloroethene	(ug/l)		10U	10U	10U
Freon 113	(ug/l)				
Acetone	(ug/l)		10U	10U	10U
Carbon disulfide	(ug/l)		10U	10U	10U
Methyl Acetate	(ug/l)				
Methylene chloride	(ug/l)		10U	10U	10U
trans-1,2-Dichloroethene	(ug/l)				
Methyl tert-butyl ether	(ug/l)				
1,1-Dichloroethane	(ug/l)		10U	10U	10U
cis-1,2-Dichloroethene	(ug/l)				
2-Butanone (MEK)	(ug/l)		10U	10U	10U
Chloroform	(ug/l)		10U	10U	10U
1,1,1-trichloroethane	(ug/l)		10U	10U	10U
Cyclohexane	(ug/l)				
Carbon tetrachloride	(ug/l)		10U	10U	10U
Trichloroethene	(ug/l)		10U	10U	10U
1,2-Dichloroethane	(ug/l)		10U	10U	10U
Benzene	(ug/l)		10U	10U	10U
Methylcyclohexane	(ug/l)				
1,2-Dichloropropane	(ug/l)		10U	10U	10U
Bromodichloromethane	(ug/l)		10U	10U	10U
cis-1,3-Dichloropropene	(ug/l)		10U	10U	10U
4-Methyl-2-pentanone	(ug/l)		10U	10U	10U
Toluene	(ug/l)		10U	10U	10U

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	ABOVE - PLANT	FP	RRHP03-W	RRUS-W
	SAMPLE ID				
	DATE	03/21/1988	10/16/1998	10/16/1998	10/16/1998
	RESULT TYPE	Primary	Primary	Primary	Primary
Trans-1,3-Dichloropropene	(ug/l)		10U	10U	10U
1,1,2-Trichloroethane	(ug/l)		10U	10U	10U
Tetrachloroethene	(ug/l)		10U	10U	10U
2-Hexanone	(ug/l)		10U	10U	10U
Dibromochloromethane	(ug/l)		10U	10U	10U
1,2-Dibromoethane (EDB)	(ug/l)				
Chlorobenzene	(ug/l)		10U	10U	10U
Ethylbenzene	(ug/l)		10U	10U	10U
Xylenes (total)	(ug/l)	0.3U	10U	10U	10U
Styrene	(ug/l)		10U	10U	10U
Bromoform	(ug/l)		10U	10U	10U
Isopropylbenzene	(ug/l)				
1,1,2,2-Tetrachloroethane	(ug/l)		10U	10U	10U
1,3-Dichlorobenzene	(ug/l)		10U	10U	10U
1,4-Dichlorobenzene	(ug/l)		10U	10U	10U
1,2-Dichlorobenzene	(ug/l)		10U	10U	10U
1,2-Dibromo-3-chloropropane	(ug/l)				
1,2,4-Trichlorobenzene	(ug/l)		10U	10U	10U

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	RRUS-W	SW-001	SW-004	SW-005
	SAMPLE ID	RRUS-2W	D01893	D01894	D01895
	DATE	10/16/1998	11/06/2001	11/06/2001	11/06/2001
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Dichlorodifluoromethane	(ug/l)		1UJ	1UJ	1UJ
Chloromethane	(ug/l)	10U	1UJ	1UJ	1UJ
Vinyl chloride	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
Bromomethane	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
Chloroethane	(ug/l)	10U	1U	1U	1U
Trichlorofluoromethane	(ug/l)		1U	1U	1U
1,1-Dichloroethene	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
Freon 113	(ug/l)		0.1UJ	0.1UJ	0.1UJ
Acetone	(ug/l)	10U	1.7UJ	1.8UJ	1.3UJ
Carbon disulfide	(ug/l)	10U	1U	1U	1U
Methyl Acetate	(ug/l)		1U	1U	1U
Methylene chloride	(ug/l)	10U	1U	1U	1U
trans-1,2-Dichloroethene	(ug/l)		1U	1U	1U
Methyl tert-butyl ether	(ug/l)		0.1UJ	0.1UJ	0.1UJ
1,1-Dichloroethane	(ug/l)	10U	1U	1U	1U
cis-1,2-Dichloroethene	(ug/l)		1U	1U	1U
2-Butanone (MEK)	(ug/l)	10U	1U	1U	1U
Chloroform	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
1,1,1-trichloroethane	(ug/l)	10U	1U	1U	1U
Cyclohexane	(ug/l)		1U	1U	1U
Carbon tetrachloride	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
Trichloroethene	(ug/l)	10U	1U	1U	1U
1,2-Dichloroethane	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
Benzene	(ug/l)	10U	0.91UJ	0.74UJ	1.6UJ
Methylcyclohexane	(ug/l)		1U	1U	1U
1,2-Dichloropropane	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
Bromodichloromethane	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
cis-1,3-Dichloropropene	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
4-Methyl-2-pentanone	(ug/l)	10U	1UJ	1UJ	1UJ
Toluene	(ug/l)	10U	1U	1U	1U

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	RRUS-W	SW-001	SW-004	SW-005
	SAMPLE ID	RRUS-2W	D01893	D01894	D01895
	DATE	10/16/1998	11/06/2001	11/06/2001	11/06/2001
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Trans-1,3-Dichloropropene	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
1,1,2-Trichloroethane	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
Tetrachloroethene	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
2-Hexanone	(ug/l)	10U	1UJ	1UJ	1UJ
Dibromochloromethane	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
1,2-Dibromoethane (EDB)	(ug/l)		0.1UJ	0.1UJ	0.1UJ
Chlorobenzene	(ug/l)	10U	1U	1U	1U
Ethylbenzene	(ug/l)	10U	1U	1U	1U
Xylenes (total)	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
Styrene	(ug/l)	10U	1U	1U	1U
Bromoform	(ug/l)	10U	1U	1U	1U
Isopropylbenzene	(ug/l)		1UJ	1UJ	1UJ
1,1,2,2-Tetrachloroethane	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
1,3-Dichlorobenzene	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
1,4-Dichlorobenzene	(ug/l)	10U	0.1UJ	0.1UJ	0.1UJ
1,2-Dichlorobenzene	(ug/l)	10U	1U	1U	1U
1,2-Dibromo-3-chloropropane	(ug/l)		0.1UJ	0.1UJ	0.1UJ
1,2,4-Trichlorobenzene	(ug/l)	10U	1UJ	1UJ	1UJ

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-006 D01896 11/07/2001 Primary	SW-007 D01897 11/07/2001 Primary	SW-008 D01898 11/07/2001 Primary	SW-009 D01899 11/08/2001 Primary
Dichlorodifluoromethane	(ug/l)	0.41U	0.36U	0.42U	0.1U
Chloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vinyl chloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromomethane	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1U
Chloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Trichlorofluoromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Freon 113	(ug/l)	0.1U	0.1U	0.1U	0.1U
Acetone	(ug/l)	10UJ	10UJ	10UJ	10UJ
Carbon disulfide	(ug/l)	0.1U	0.1U	0.1U	0.18U
Methyl Acetate	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methylene chloride	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.11UJ
trans-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methyl tert-butyl ether	(ug/l)	0.31U	0.1U	0.1U	0.1U
1,1-Dichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
cis-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Butanone (MEK)	(ug/l)	0.32UJ	0.1UJ	1.6UJ	0.34UJ
Chloroform	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1,1-trichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cyclohexane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Carbon tetrachloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Trichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Benzene	(ug/l)	1.2UJ	0.2UJ	0.27UJ	0.4UJ
Methylcyclohexane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichloropropane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromodichloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
cis-1,3-Dichloropropene	(ug/l)	0.1U	0.1U	0.1U	0.1U
4-Methyl-2-pentanone	(ug/l)	0.1U	0.1U	0.1U	0.1U
Toluene	(ug/l)	0.69U	0.13U	0.22U	0.26UJ

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	SW-006	SW-007	SW-008	SW-009
	SAMPLE ID	D01896	D01897	D01898	D01899
	DATE	11/07/2001	11/07/2001	11/07/2001	11/08/2001
	RESULT TYPE	Primary	Primary	Primary	Primary
Trans-1,3-Dichloropropene	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,1,2-Trichloroethane	(ug/l)	0.1U	0.62	0.1U	0.1U
Tetrachloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Hexanone	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
Dibromochloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromoethane (EDB)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Ethylbenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Xylenes (total)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Styrene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromoform	(ug/l)	0.1U	0.1U	0.1U	0.1U
Isopropylbenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1,2,2-Tetrachloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,3-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,4-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromo-3-chloropropane	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,2,4-Trichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-010 D01900 11/08/2001 Primary	SW-010 D01901 11/08/2001 Duplicate 1	SW-013 D01902 11/09/2001 Primary	SW-014 D01903 11/09/2001 Primary
Dichlorodifluoromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chloromethane	(ug/l)	0.1U	0.1U	0.16U	0.2U
Vinyl chloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromomethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Trichlorofluoromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Freon 113	(ug/l)	0.1U	0.1U	0.1U	0.1U
Acetone	(ug/l)	10UJ	10UJ	10UJ	10UJ
Carbon disulfide	(ug/l)	0.16U	0.13U	0.12U	0.11U
Methyl Acetate	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methylene chloride	(ug/l)	0.12UJ	0.11UJ	0.1UJ	0.1UJ
trans-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Methyl tert-butyl ether	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1-Dichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
cis-1,2-Dichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Butanone (MEK)	(ug/l)	0.1UJ	0.1UJ	0.89UJ	0.5UJ
Chloroform	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1,1-trichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cyclohexane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Carbon tetrachloride	(ug/l)	0.1U	0.1U	0.1U	0.1U
Trichloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Benzene	(ug/l)	0.56UJ	0.47UJ	0.65UJ	0.62UJ
Methylcyclohexane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichloropropane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromodichloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
cis-1,3-Dichloropropene	(ug/l)	0.1U	0.1U	0.1U	0.1U
4-Methyl-2-pentanone	(ug/l)	0.1U	0.1U	0.1U	0.1U
Toluene	(ug/l)	0.36UJ	0.24UJ	0.35UJ	0.38UJ

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	SW-010	SW-010	SW-013	SW-014
	SAMPLE ID	D01900	D01901	D01902	D01903
	DATE	11/08/2001	11/08/2001	11/09/2001	11/09/2001
	RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Trans-1,3-Dichloropropene	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,1,2-Trichloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
Tetrachloroethene	(ug/l)	0.1U	0.1U	0.1U	0.1U
2-Hexanone	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
Dibromochloromethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromoethane (EDB)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Chlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Ethylbenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Xylenes (total)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Styrene	(ug/l)	0.1U	0.1U	0.1U	0.1U
Bromoform	(ug/l)	0.1U	0.1U	0.1U	0.1U
Isopropylbenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,1,2,2-Tetrachloroethane	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,3-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,4-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U
1,2-Dibromo-3-chloropropane	(ug/l)	0.1UJ	0.1UJ	0.1UJ	0.1UJ
1,2,4-Trichlorobenzene	(ug/l)	0.1U	0.1U	0.1U	0.1U

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	SW-1	SW-2	SW-3
	SAMPLE ID	SW-1	SW-2	SW-3
	DATE	04/04/1989	04/04/1989	04/04/1989
	RESULT TYPE	Primary	Primary	Primary
Dichlorodifluoromethane	(ug/l)			
Chloromethane	(ug/l)			
Vinyl chloride	(ug/l)			
Bromomethane	(ug/l)			
Chloroethane	(ug/l)			
Trichlorofluoromethane	(ug/l)			
1,1-Dichloroethene	(ug/l)			
Freon 113	(ug/l)			
Acetone	(ug/l)			
Carbon disulfide	(ug/l)			
Methyl Acetate	(ug/l)			
Methylene chloride	(ug/l)			
trans-1,2-Dichloroethene	(ug/l)			
Methyl tert-butyl ether	(ug/l)			
1,1-Dichloroethane	(ug/l)			
cis-1,2-Dichloroethene	(ug/l)			
2-Butanone (MEK)	(ug/l)			
Chloroform	(ug/l)			
1,1,1-trichloroethane	(ug/l)			
Cyclohexane	(ug/l)			
Carbon tetrachloride	(ug/l)			
Trichloroethene	(ug/l)			
1,2-Dichloroethane	(ug/l)			
Benzene	(ug/l)	0.2U	0.2U	0.2U
Methylcyclohexane	(ug/l)			
1,2-Dichloropropane	(ug/l)			
Bromodichloromethane	(ug/l)			
cis-1,3-Dichloropropene	(ug/l)			
4-Methyl-2-pentanone	(ug/l)			
Toluene	(ug/l)	0.2U	0.2U	0.2U

Surface Water VOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-1 SW-1 04/04/1989 Primary	SW-2 SW-2 04/04/1989 Primary	SW-3 SW-3 04/04/1989 Primary
Trans-1,3-Dichloropropene	(ug/l)			
1,1,2-Trichloroethane	(ug/l)			
Tetrachloroethene	(ug/l)			
2-Hexanone	(ug/l)			
Dibromochloromethane	(ug/l)			
1,2-Dibromoethane (EDB)	(ug/l)			
Chlorobenzene	(ug/l)			
Ethylbenzene	(ug/l)			
Xylenes (total)	(ug/l)	0.3U	0.3U	0.3U
Styrene	(ug/l)			
Bromoform	(ug/l)			
Isopropylbenzene	(ug/l)			
1,1,2,2-Tetrachloroethane	(ug/l)			
1,3-Dichlorobenzene	(ug/l)			
1,4-Dichlorobenzene	(ug/l)			
1,2-Dichlorobenzene	(ug/l)			
1,2-Dibromo-3-chloropropane	(ug/l)			
1,2,4-Trichlorobenzene	(ug/l)			

Appendix Q
Surface Water SVOC Results

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	BRIDGE	COUNTY BRIDGE	FP	RRHP03-W
	SAMPLE ID				
	DATE	06/30/1998	06/30/1998	10/16/1998	10/16/1998
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzaldehyde	(ug/l)				
Phenol	(ug/l)			10U	10U
2-Chlorophenol	(ug/l)			10U	10U
bis(2-Chloroethyl) ether	(ug/l)			10U	10U
2-Methylphenol	(ug/l)			10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)			10U	10U
Acetophenone	(ug/l)				
4-Methylphenol	(ug/l)			10U	10U
N-Nitrosodi-n-propylamine	(ug/l)			10U	10U
Hexachloroethane	(ug/l)			10U	10U
Nitrobenzene	(ug/l)			10U	10U
Isophorone	(ug/l)			10U	10U
2-Nitrophenol	(ug/l)			10U	10U
2,4-Dimethylphenol	(ug/l)			10U	10U
Bis(2-chloroethoxy) methane	(ug/l)			10U	10U
2,4-Dichlorophenol	(ug/l)			10U	10U
Naphthalene	(ug/l)	10U	10U	10U	10U
4-Chloroaniline	(ug/l)			10U	10U
Hexachlorobutadiene	(ug/l)			10U	10U
Caprolactam	(ug/l)				
4-Chloro-3-methylphenol	(ug/l)			10U	10U
2-Methylnaphthalene	(ug/l)	10U	10U	10U	10U
Hexachlorocyclopentadiene	(ug/l)			10U	10U
2,4,6-Trichlorophenol	(ug/l)			10U	10U
2,4,5-Trichlorophenol	(ug/l)			25U	25U
1,1'-Biphenyl	(ug/l)				
2-Chloronaphthalene	(ug/l)			10U	10U
2-Nitroaniline	(ug/l)			25U	25U
Dimethylphthalate	(ug/l)			10U	10U
2,6-Dinitrotoluene	(ug/l)			10U	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	BRIDGE	COUNTY BRIDGE	FP	RRHP03-W
	SAMPLE ID				
	DATE	06/30/1998	06/30/1998	10/16/1998	10/16/1998
	RESULT TYPE	Primary	Primary	Primary	Primary
Acenaphthylene	(ug/l)			10U	10U
3-Nitroaniline	(ug/l)			25U	25U
Acenaphthene	(ug/l)			10U	10U
2,4-Dinitrophenol	(ug/l)			25U	25U
4-Nitrophenol	(ug/l)			25U	25U
Dibenzofuran	(ug/l)			10U	10U
2,4-Dinitrotoluene	(ug/l)			10U	10U
Diethylphthalate	(ug/l)			10U	10U
Fluorene	(ug/l)			10U	10U
4-chlorophenyl-phenylether	(ug/l)			10U	10U
4-Nitroaniline	(ug/l)			25U	25U
4,6-Dinitro-2-methylphenol	(ug/l)			25U	25U
N-Nitrosodiphenylamine	(ug/l)			10U	10U
4-Bromophenyl phenylether	(ug/l)				
Hexachlorobenzene	(ug/l)			10U	10U
Atrazine	(ug/l)				
Pentachlorophenol	(ug/l)	26U	26U	25U	25U
Phenanthrene	(ug/l)	10U	10U	10U	10U
Anthracene	(ug/l)			10U	10U
Carbazole	(ug/l)			10U	10U
Di-n-butylphthalate	(ug/l)			10U	10U
Fluoranthene	(ug/l)			10U	10U
Pyrene	(ug/l)			10U	10U
Butylbenzylphthalate	(ug/l)			10U	10U
3,3'-Dichlorobenzidine	(ug/l)			10U	10U
Benzo(a)anthracene	(ug/l)			10U	10U
Chrysene	(ug/l)			10U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	10U	10U
Di-n-octylphthalate	(ug/l)			10U	10U
Benzo(b)fluoranthene	(ug/l)			10U	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	BRIDGE 06/30/1998 Primary	COUNTY BRIDGE 06/30/1998 Primary	FP 10/16/1998 Primary	RRHP03-W 10/16/1998 Primary
Benzo(k)fluoranthene	(ug/l)			10U	10U
Benzo(a)pyrene	(ug/l)			10U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)			10U	10U
Dibenzo(a,h)anthracene	(ug/l)			10U	10U
Benzo(g,h,i)perylene	(ug/l)			10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)				
2,6-Dimethylphenol	(ug/l)				
3,4-Dimethylphenol	(ug/l)				

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RRUS-W 10/16/1998 Primary	RRUS-W RRUS-2W 10/16/1998 Duplicate 1	RUMFORD RIVE 06/30/1998 Primary	SW-001 D01893 11/06/2001 Primary
Benzaldehyde	(ug/l)				2UJ
Phenol	(ug/l)	10U	10U		10U
2-Chlorophenol	(ug/l)	10U	10U		10U
bis(2-Chloroethyl) ether	(ug/l)	10U	10U		2UJ
2-Methylphenol	(ug/l)	10U	10U		2U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U	10U		2UJ
Acetophenone	(ug/l)				0.2U
4-Methylphenol	(ug/l)	10U	10U		2UJ
N-Nitrosodi-n-propylamine	(ug/l)	10U	10U		2U
Hexachloroethane	(ug/l)	10U	10U		1UJ
Nitrobenzene	(ug/l)	10U	10U		0.2UJ
Isophorone	(ug/l)	10U	10U		2U
2-Nitrophenol	(ug/l)	10U	10U		2U
2,4-Dimethylphenol	(ug/l)	10U	10U		2UJ
Bis(2-chloroethoxy) methane	(ug/l)	10U	10U		2U
2,4-Dichlorophenol	(ug/l)	10U	10U		2U
Naphthalene	(ug/l)	10U	10U	10U	0.2UJ
4-Chloroaniline	(ug/l)	10U	10U		10UJ
Hexachlorobutadiene	(ug/l)	10U	10U		2UJ
Caprolactam	(ug/l)				2U
4-Chloro-3-methylphenol	(ug/l)	10U	10U		2U
2-Methylnaphthalene	(ug/l)	10U	10U	10U	2UJ
Hexachlorocyclopentadiene	(ug/l)	10U	10U		R
2,4,6-Trichlorophenol	(ug/l)	10U	10U		10UJ
2,4,5-Trichlorophenol	(ug/l)	25U	25U		25UJ
1,1'-Biphenyl	(ug/l)				2UJ
2-Chloronaphthalene	(ug/l)	10U	10U		2UJ
2-Nitroaniline	(ug/l)	25U	25U		10.6U
Dimethylphthalate	(ug/l)	10U	10U		1UJ
2,6-Dinitrotoluene	(ug/l)	10U	10U		10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	RRUS-W	RRUS-W	RUMFORD RIVE	SW-001
	SAMPLE ID		RRUS-2W		D01893
	DATE	10/16/1998	10/16/1998	06/30/1998	11/06/2001
	RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Acenaphthylene	(ug/l)	10U	10U		2UJ
3-Nitroaniline	(ug/l)	25U	25U		25U
Acenaphthene	(ug/l)	10U	10U		2UJ
2,4-Dinitrophenol	(ug/l)	25U	25U		10UJ
4-Nitrophenol	(ug/l)	25U	25U		25U
Dibenzofuran	(ug/l)	10U	10U		10U
2,4-Dinitrotoluene	(ug/l)	10U	10U		0.2UJ
Diethylphthalate	(ug/l)	10U	10U		R
Fluorene	(ug/l)	10U	10U		10U
4-chlorophenyl-phenylether	(ug/l)	10U	10U		2U
4-Nitroaniline	(ug/l)	25U	25U		15.3U
4,6-Dinitro-2-methylphenol	(ug/l)	25U	25U		10U
N-Nitrosodiphenylamine	(ug/l)	10U	10U		10U
4-Bromophenyl phenylether	(ug/l)				2U
Hexachlorobenzene	(ug/l)	10U	10U		0.2UJ
Atrazine	(ug/l)				10U
Pentachlorophenol	(ug/l)	25U	25U	26U	1.2J
Phenanthrene	(ug/l)	10U	10U	10U	10U
Anthracene	(ug/l)	10U	10U		0.2UJ
Carbazole	(ug/l)	10U	10U		10U
Di-n-butylphthalate	(ug/l)	10U	10U		0.26J
Fluoranthene	(ug/l)	10U	10U		10U
Pyrene	(ug/l)	10U	10U		10U
Butylbenzylphthalate	(ug/l)	10U	10U		10U
3,3'-Dichlorobenzidine	(ug/l)	10U	10U		10U
Benzo(a)anthracene	(ug/l)	10U	10U		0.2UJ
Chrysene	(ug/l)	10U	10U		0.2UJ
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	10U	10U
Di-n-octylphthalate	(ug/l)	10U	10U		10U
Benzo(b)fluoranthene	(ug/l)	10U	10U		0.2UJ

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	RRUS-W	RRUS-W	RUMFORD RIVE	SW-001
	SAMPLE ID		RRUS-2W		D01893
	DATE	10/16/1998	10/16/1998	06/30/1998	11/06/2001
	RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Benzo(k)fluoranthene	(ug/l)	10U	10U		0.2UJ
Benzo(a)pyrene	(ug/l)	10U	10U		0.2UJ
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	10U		0.2UJ
Dibenzo(a,h)anthracene	(ug/l)	10U	10U		0.2UJ
Benzo(g,h,i)perylene	(ug/l)	10U	10U		10U
2,3,5,6-Tetrachlorophenol	(ug/l)				25UJ
2,6-Dimethylphenol	(ug/l)				2UJ
3,4-Dimethylphenol	(ug/l)				2UJ

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-004 D01894 11/06/2001 Primary	SW-005 D01895 11/06/2001 Primary	SW-006 D01896 11/07/2001 Primary	SW-007 D01897 11/07/2001 Primary
Benzaldehyde	(ug/l)	2UJ	2UJ	2UJ	2UJ
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	10U	10U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)	2UJ	2UJ	2U	2U
2-Methylphenol	(ug/l)	2U	2U	2U	2U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	2UJ	2UJ	2U	2U
Acetophenone	(ug/l)	0.2U	0.2U	0.2U	0.2U
4-Methylphenol	(ug/l)	2UJ	2UJ	2U	2U
N-Nitrosodi-n-propylamine	(ug/l)	2U	2U	2U	2U
Hexachloroethane	(ug/l)	1UJ	1UJ	1UJ	1UJ
Nitrobenzene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
Isophorone	(ug/l)	2U	2U	2U	2U
2-Nitrophenol	(ug/l)	2U	2U	2U	2U
2,4-Dimethylphenol	(ug/l)	2UJ	2UJ	2UJ	2UJ
Bis(2-chloroethoxy) methane	(ug/l)	2U	2U	2U	2U
2,4-Dichlorophenol	(ug/l)	2U	2U	2U	2U
Naphthalene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
4-Chloroaniline	(ug/l)	10UJ	10UJ	10U	10U
Hexachlorobutadiene	(ug/l)	2UJ	2UJ	2UJ	2UJ
Caprolactam	(ug/l)	2U	2U	2U	2U
4-Chloro-3-methylphenol	(ug/l)	2U	2U	2U	2U
2-Methylnaphthalene	(ug/l)	2UJ	2UJ	2U	2U
Hexachlorocyclopentadiene	(ug/l)	R	R	R	R
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25UJ	25UJ	25U	25U
1,1'-Biphenyl	(ug/l)	2UJ	2UJ	2U	2U
2-Chloronaphthalene	(ug/l)	2UJ	2UJ	2UJ	2UJ
2-Nitroaniline	(ug/l)	10.6U	10.6U	10.6U	10.6U
Dimethylphthalate	(ug/l)	1UJ	1UJ	1UJ	1UJ
2,6-Dinitrotoluene	(ug/l)	10U	10U	10U	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-004 D01894 11/06/2001 Primary	SW-005 D01895 11/06/2001 Primary	SW-006 D01896 11/07/2001 Primary	SW-007 D01897 11/07/2001 Primary
Acenaphthylene	(ug/l)	2UJ	2UJ	2U	2U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	2UJ	2UJ	2U	2U
2,4-Dinitrophenol	(ug/l)	10UJ	10UJ	10UJ	10UJ
4-Nitrophenol	(ug/l)	25U	25UJ	25U	25U
Dibenzofuran	(ug/l)	10U	10U	10U	10U
2,4-Dinitrotoluene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
Diethylphthalate	(ug/l)	R	R	R	R
Fluorene	(ug/l)	10U	10U	10U	10U
4-chlorophenyl-phenylether	(ug/l)	2U	2U	2U	2U
4-Nitroaniline	(ug/l)	15.3U	15.3U	15.3U	15.3U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	10U	10U	10U
N-Nitrosodiphenylamine	(ug/l)	10U	10U	10U	10U
4-Bromophenyl phenylether	(ug/l)	2U	2U	2U	2U
Hexachlorobenzene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
Atrazine	(ug/l)	10U	10U	10U	10U
Pentachlorophenol	(ug/l)	11	0.0053J	10U	28
Phenanthrene	(ug/l)	10U	10U	10U	10U
Anthracene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
Carbazole	(ug/l)	10U	10U	10U	10U
Di-n-butylphthalate	(ug/l)	10U	0.26J	10U	10U
Fluoranthene	(ug/l)	10U	10U	10U	10U
Pyrene	(ug/l)	10U	10U	10U	10U
Butylbenzylphthalate	(ug/l)	10U	0.28J	10U	10U
3,3'-Dichlorobenzidine	(ug/l)	10U	10U	10U	10U
Benzo(a)anthracene	(ug/l)	0.2UJ	0.011J	0.2UJ	10U
Chrysene	(ug/l)	0.2UJ	0.017J	0.2UJ	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	10U	10U
Di-n-octylphthalate	(ug/l)	10U	10U	10U	10U
Benzo(b)fluoranthene	(ug/l)	0.2UJ	0.017J	0.2UJ	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-004 D01894 11/06/2001 Primary	SW-005 D01895 11/06/2001 Primary	SW-006 D01896 11/07/2001 Primary	SW-007 D01897 11/07/2001 Primary
Benzo(k)fluoranthene	(ug/l)	0.2UJ	0.014J	0.2UJ	10U
Benzo(a)pyrene	(ug/l)	0.2UJ	0.011J	0.2UJ	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	0.2UJ	0.013J	0.2UJ	10U
Dibenzo(a,h)anthracene	(ug/l)	0.2UJ	0.2UJ	0.0075J	0.005J
Benzo(g,h,i)perylene	(ug/l)	10U	10U	10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	0.33J	25UJ	25UJ	25UJ
2,6-Dimethylphenol	(ug/l)	2UJ	2UJ	2UJ	2UJ
3,4-Dimethylphenol	(ug/l)	2UJ	2UJ	2UJ	2UJ

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-008 D01898 11/07/2001 Primary	SW-009 D01899 11/08/2001 Primary	SW-010 D01900 11/08/2001 Primary	SW-010 D01901 11/08/2001 Duplicate 1
Benzaldehyde	(ug/l)	2UJ	2UJ	2UJ	2UJ
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	10U	10U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)	2U	2U	2U	2U
2-Methylphenol	(ug/l)	2U	2U	2U	2U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	2U	2U	2U	2U
Acetophenone	(ug/l)	0.2U	0.2U	0.2UJ	0.2UJ
4-Methylphenol	(ug/l)	2U	2U	2U	2U
N-Nitrosodi-n-propylamine	(ug/l)	2U	2U	2U	2U
Hexachloroethane	(ug/l)	1UJ	1UJ	1UJ	1UJ
Nitrobenzene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
Isophorone	(ug/l)	0.27J	2U	2U	2U
2-Nitrophenol	(ug/l)	2U	2U	2U	2U
2,4-Dimethylphenol	(ug/l)	2UJ	2UJ	2UJ	2UJ
Bis(2-chloroethoxy) methane	(ug/l)	2U	2U	2U	2U
2,4-Dichlorophenol	(ug/l)	2U	2U	2U	2U
Naphthalene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
4-Chloroaniline	(ug/l)	10U	10U	10U	10U
Hexachlorobutadiene	(ug/l)	2UJ	2UJ	2UJ	2UJ
Caprolactam	(ug/l)	2U	2U	2U	2U
4-Chloro-3-methylphenol	(ug/l)	2U	2U	2U	2U
2-Methylnaphthalene	(ug/l)	2U	2U	2U	2U
Hexachlorocyclopentadiene	(ug/l)	R	R	R	R
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25U	25U	25U	25U
1,1'-Biphenyl	(ug/l)	2U	2U	2U	2U
2-Chloronaphthalene	(ug/l)	2UJ	2UJ	2UJ	2UJ
2-Nitroaniline	(ug/l)	10.6U	10.6U	10.6U	10.6U
Dimethylphthalate	(ug/l)	1UJ	1UJ	1UJ	1UJ
2,6-Dinitrotoluene	(ug/l)	10U	7J	10U	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-008 D01898 11/07/2001 Primary	SW-009 D01899 11/08/2001 Primary	SW-010 D01900 11/08/2001 Primary	SW-010 D01901 11/08/2001 Duplicate 1
Acenaphthylene	(ug/l)	2U	2U	2U	2U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	2U	2U	2U	2U
2,4-Dinitrophenol	(ug/l)	10UJ	10UJ	10UJ	10UJ
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	10U	10U	10U	10U
2,4-Dinitrotoluene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
Diethylphthalate	(ug/l)	R	R	R	R
Fluorene	(ug/l)	10U	10U	10U	10U
4-chlorophenyl-phenylether	(ug/l)	2U	2U	2U	2U
4-Nitroaniline	(ug/l)	15.3U	15.3U	15.3U	15.3U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	0.69J	10U	10U
N-Nitrosodiphenylamine	(ug/l)	10U	10U	10U	10U
4-Bromophenyl phenylether	(ug/l)	2U	2U	2U	2U
Hexachlorobenzene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
Atrazine	(ug/l)	0.33J	10U	10U	10U
Pentachlorophenol	(ug/l)	1.4J	19	0.012J	0.007J
Phenanthrene	(ug/l)	10U	10U	10U	10U
Anthracene	(ug/l)	0.2UJ	0.2UJ	0.2UJ	0.2UJ
Carbazole	(ug/l)	0.45J	10U	10U	10U
Di-n-butylphthalate	(ug/l)	0.44J	10U	10U	0.44J
Fluoranthene	(ug/l)	0.38J	10U	10U	10U
Pyrene	(ug/l)	0.61J	10U	10U	10U
Butylbenzylphthalate	(ug/l)	1.4J	10U	10U	0.61J
3,3'-Dichlorobenzidine	(ug/l)	10U	10U	10U	10U
Benzo(a)anthracene	(ug/l)	0.0094J	0.2UJ	0.2UJ	0.25J
Chrysene	(ug/l)	0.015J	0.2UJ	0.2UJ	0.28J
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	10U	10U
Di-n-octylphthalate	(ug/l)	2.2J	10U	10U	0.74J
Benzo(b)fluoranthene	(ug/l)	1.8J	0.2UJ	0.2UJ	0.2UJ

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	SW-008	SW-009	SW-010	SW-010
	SAMPLE ID	D01898	D01899	D01900	D01901
	DATE	11/07/2001	11/08/2001	11/08/2001	11/08/2001
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Benzo(k)fluoranthene	(ug/l)	1.4J	0.2UJ	0.2UJ	0.2UJ
Benzo(a)pyrene	(ug/l)	0.61J	0.2UJ	0.2UJ	0.2UJ
Indeno(1,2,3-cd)pyrene	(ug/l)	0.6J	0.2UJ	0.2UJ	0.2UJ
Dibenzo(a,h)anthracene	(ug/l)	0.44J	0.2UJ	0.2UJ	0.2UJ
Benzo(g,h,i)perylene	(ug/l)	0.54J	10U	10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	25UJ	25UJ	25UJ	25UJ
2,6-Dimethylphenol	(ug/l)	2UJ	2UJ	2UJ	2UJ
3,4-Dimethylphenol	(ug/l)	2UJ	2UJ	2UJ	2UJ

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	SW-013	SW-014	SW-015	SW-015
	SAMPLE ID	D01902	D01903	A10W1	A10W3
	DATE	11/09/2001	11/09/2001	10/21/2003	10/23/2003
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzaldehyde	(ug/l)	2UJ	2UJ	10U	10U
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	10U	10U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)	2U	2U	10U	10U
2-Methylphenol	(ug/l)	2U	2U	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	2U	2U	10U	10U
Acetophenone	(ug/l)	0.2U	0.2U	10U	10U
4-Methylphenol	(ug/l)	2U	2U	10U	10U
N-Nitrosodi-n-propylamine	(ug/l)	2U	2U	10U	10U
Hexachloroethane	(ug/l)	1UJ	1UJ	10U	10U
Nitrobenzene	(ug/l)	0.2UJ	0.2UJ	10U	10U
Isophorone	(ug/l)	2U	2U	10U	10U
2-Nitrophenol	(ug/l)	2U	2U	10U	10U
2,4-Dimethylphenol	(ug/l)	2UJ	2UJ	10U	10U
Bis(2-chloroethoxy) methane	(ug/l)	2U	2U	10U	10U
2,4-Dichlorophenol	(ug/l)	2U	2U	10U	10U
Naphthalene	(ug/l)	0.2UJ	0.2UJ	10U	10U
4-Chloroaniline	(ug/l)	10UJ	10UJ	10U	10U
Hexachlorobutadiene	(ug/l)	2UJ	2UJ	10U	10U
Caprolactam	(ug/l)	2U	2U	10U	10U
4-Chloro-3-methylphenol	(ug/l)	2U	2U	10U	10U
2-Methylnaphthalene	(ug/l)	2U	2U	10U	10U
Hexachlorocyclopentadiene	(ug/l)	R	R	10U	10U
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25UJ	25UJ	25U	25U
1,1'-Biphenyl	(ug/l)	2U	2U	10U	10U
2-Chloronaphthalene	(ug/l)	2UJ	2UJ	10U	10U
2-Nitroaniline	(ug/l)	10.6U	10.6U	25U	25U
Dimethylphthalate	(ug/l)	1UJ	1UJ	10U	10U
2,6-Dinitrotoluene	(ug/l)	10U	10U	10U	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-013 D01902 11/09/2001 Primary	SW-014 D01903 11/09/2001 Primary	SW-015 A10W1 10/21/2003 Primary	SW-015 A10W3 10/23/2003 Primary
Acenaphthylene	(ug/l)	2UJ	2UJ	10U	10U
3-Nitroaniline	(ug/l)	25U	25U	25U	25U
Acenaphthene	(ug/l)	2U	2U	10U	10U
2,4-Dinitrophenol	(ug/l)	10UJ	10UJ	25UJ	25UJ
4-Nitrophenol	(ug/l)	25U	25U	25U	25U
Dibenzofuran	(ug/l)	10U	10U	10U	10U
2,4-Dinitrotoluene	(ug/l)	0.2UJ	0.2UJ	10U	10U
Diethylphthalate	(ug/l)	R	R	10U	10U
Fluorene	(ug/l)	10U	10U	10U	10U
4-chlorophenyl-phenylether	(ug/l)	2U	2U	10U	10U
4-Nitroaniline	(ug/l)	15.3U	15.3U	25U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	10U	25U	25U
N-Nitrosodiphenylamine	(ug/l)	10U	10U	10U	10U
4-Bromophenyl phenylether	(ug/l)	2U	2U	10U	10U
Hexachlorobenzene	(ug/l)	0.2UJ	0.2UJ	10U	10U
Atrazine	(ug/l)	10U	10U	10U	10U
Pentachlorophenol	(ug/l)	0.005J	0.2UJ	9J	6J
Phenanthrene	(ug/l)	10U	10U	10U	10U
Anthracene	(ug/l)	0.2UJ	0.2UJ	10U	10U
Carbazole	(ug/l)	0.33J	10U	10U	10U
Di-n-butylphthalate	(ug/l)	0.46J	0.32J	10U	10U
Fluoranthene	(ug/l)	0.45J	10U	10U	10U
Pyrene	(ug/l)	0.72J	10U	10U	10U
Butylbenzylphthalate	(ug/l)	1.2J	0.36J	10U	10U
3,3'-Dichlorobenzidine	(ug/l)	R	R	10U	10U
Benzo(a)anthracene	(ug/l)	0.023J	0.2UJ	10U	10U
Chrysene	(ug/l)	0.036J	0.006J	10U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	3J	10U
Di-n-octylphthalate	(ug/l)	1J	0.26J	10U	10U
Benzo(b)fluoranthene	(ug/l)	0.029J	0.2UJ	10U	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	SW-013	SW-014	SW-015	SW-015
	SAMPLE ID	D01902	D01903	A10W1	A10W3
	DATE	11/09/2001	11/09/2001	10/21/2003	10/23/2003
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(k)fluoranthene	(ug/l)	0.031J	0.2UJ	10U	10U
Benzo(a)pyrene	(ug/l)	0.019J	0.2UJ	10U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	0.025J	0.0056J	10U	10U
Dibenzo(a,h)anthracene	(ug/l)	0.0067J	0.2UJ	10U	10U
Benzo(g,h,i)perylene	(ug/l)	0.27J	10U	10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	25UJ	25UJ	25U	25U
2,6-Dimethylphenol	(ug/l)	2UJ	2UJ	25U	25U
3,4-Dimethylphenol	(ug/l)	2UJ	2UJ	25U	25U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-015 A10X0 10/23/2003 Duplicate 1	SW-015 A10W5 10/27/2003 Primary	SW-016 A10W2 10/21/2003 Primary	SW-016 A10W4 10/23/2003 Primary
Benzaldehyde	(ug/l)	10U	10U	10U	10U
Phenol	(ug/l)	10U	10U	10U	10U
2-Chlorophenol	(ug/l)	10U	10U	10U	10U
bis(2-Chloroethyl) ether	(ug/l)	10U	10U	10U	10U
2-Methylphenol	(ug/l)	10U	10U	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U	10U	10U	10U
Acetophenone	(ug/l)	10U	10U	10U	10U
4-Methylphenol	(ug/l)	10U	10U	10U	10U
N-Nitrosodi-n-propylamine	(ug/l)	10U	10U	10U	10U
Hexachloroethane	(ug/l)	10U	10U	10U	10U
Nitrobenzene	(ug/l)	10U	10U	10U	10U
Isophorone	(ug/l)	10U	10U	10U	10U
2-Nitrophenol	(ug/l)	10U	10U	10U	10U
2,4-Dimethylphenol	(ug/l)	10U	10U	10U	10U
Bis(2-chloroethoxy) methane	(ug/l)	10U	10U	10U	10U
2,4-Dichlorophenol	(ug/l)	10U	10U	10U	10U
Naphthalene	(ug/l)	10U	10U	10U	10U
4-Chloroaniline	(ug/l)	10U	10U	10U	10U
Hexachlorobutadiene	(ug/l)	10U	10U	10U	10U
Caprolactam	(ug/l)	10U	10U	10U	10U
4-Chloro-3-methylphenol	(ug/l)	10U	10U	10U	10U
2-Methylnaphthalene	(ug/l)	10U	10U	10U	10U
Hexachlorocyclopentadiene	(ug/l)	10U	10U	10U	10U
2,4,6-Trichlorophenol	(ug/l)	10U	10U	10U	10U
2,4,5-Trichlorophenol	(ug/l)	25U	26U	25U	25U
1,1'-Biphenyl	(ug/l)	10U	10U	10U	10U
2-Chloronaphthalene	(ug/l)	10U	10U	10U	10U
2-Nitroaniline	(ug/l)	25U	26U	25U	25U
Dimethylphthalate	(ug/l)	10U	10U	10U	10U
2,6-Dinitrotoluene	(ug/l)	10U	10U	10U	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-015 A10X0 10/23/2003 Duplicate 1	SW-015 A10W5 10/27/2003 Primary	SW-016 A10W2 10/21/2003 Primary	SW-016 A10W4 10/23/2003 Primary
Acenaphthylene	(ug/l)	10U	10U	10U	10U
3-Nitroaniline	(ug/l)	25U	26U	25U	25U
Acenaphthene	(ug/l)	10U	10U	10U	10U
2,4-Dinitrophenol	(ug/l)	25UJ	26UJ	25UJ	25UJ
4-Nitrophenol	(ug/l)	25U	26U	25U	25U
Dibenzofuran	(ug/l)	10U	10U	10U	10U
2,4-Dinitrotoluene	(ug/l)	10U	10U	10U	10U
Diethylphthalate	(ug/l)	10U	10U	10U	10U
Fluorene	(ug/l)	10U	10U	10U	10U
4-chlorophenyl-phenylether	(ug/l)	10U	10U	10U	10U
4-Nitroaniline	(ug/l)	25U	26U	25U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	25U	26U	25U	25U
N-Nitrosodiphenylamine	(ug/l)	10U	10U	10U	10U
4-Bromophenyl phenylether	(ug/l)	10U	10U	10U	10U
Hexachlorobenzene	(ug/l)	10U	10U	10U	10U
Atrazine	(ug/l)	10U	10U	10U	10U
Pentachlorophenol	(ug/l)	11J	10UJ	10UJ	10UJ
Phenanthrene	(ug/l)	10U	10U	10U	10U
Anthracene	(ug/l)	10U	10U	10U	10U
Carbazole	(ug/l)	10U	10U	10U	10U
Di-n-butylphthalate	(ug/l)	10U	10U	10U	10U
Fluoranthene	(ug/l)	10U	10U	10U	10U
Pyrene	(ug/l)	10U	10U	10U	10U
Butylbenzylphthalate	(ug/l)	10U	10U	10U	10U
3,3'-Dichlorobenzidine	(ug/l)	10U	10U	10U	10U
Benzo(a)anthracene	(ug/l)	10U	10U	10U	10U
Chrysene	(ug/l)	10U	10U	10U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	10U	10U	10U	3J
Di-n-octylphthalate	(ug/l)	10U	10U	10U	10U
Benzo(b)fluoranthene	(ug/l)	10U	10U	10U	10U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-015 A10X0 10/23/2003 Duplicate 1	SW-015 A10W5 10/27/2003 Primary	SW-016 A10W2 10/21/2003 Primary	SW-016 A10W4 10/23/2003 Primary
Benzo(k)fluoranthene	(ug/l)	10U	10U	10U	10U
Benzo(a)pyrene	(ug/l)	10U	10U	10U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	10U	10U	10U
Dibenzo(a,h)anthracene	(ug/l)	10U	10U	10U	10U
Benzo(g,h,i)perylene	(ug/l)	10U	10U	10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	25U	26U	25U	25U
2,6-Dimethylphenol	(ug/l)	25U	26U	25U	25U
3,4-Dimethylphenol	(ug/l)	25U	26U	25U	25U

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-016 A10W6 10/27/2003 Primary	SW-1 SW-1 04/04/1989 Primary	SW-2 SW-2 04/04/1989 Primary	SW-3 SW-3 04/04/1989 Primary
Benzaldehyde	(ug/l)	10U			
Phenol	(ug/l)	10U			
2-Chlorophenol	(ug/l)	10U			
bis(2-Chloroethyl) ether	(ug/l)	10U			
2-Methylphenol	(ug/l)	10U			
2,2'-Oxybis(1-Chloropropane)	(ug/l)	10U			
Acetophenone	(ug/l)	10U			
4-Methylphenol	(ug/l)	10U			
N-Nitrosodi-n-propylamine	(ug/l)	10U			
Hexachloroethane	(ug/l)	10U			
Nitrobenzene	(ug/l)	10U			
Isophorone	(ug/l)	10U			
2-Nitrophenol	(ug/l)	10U			
2,4-Dimethylphenol	(ug/l)	10U	0.5U	0.5U	0.5U
Bis(2-chloroethoxy) methane	(ug/l)	10U			
2,4-Dichlorophenol	(ug/l)	10U	0.5U	0.5U	0.5U
Naphthalene	(ug/l)	10U			
4-Chloroaniline	(ug/l)	10U			
Hexachlorobutadiene	(ug/l)	10U			
Caprolactam	(ug/l)	10U			
4-Chloro-3-methylphenol	(ug/l)	10U			
2-Methylnaphthalene	(ug/l)	10U			
Hexachlorocyclopentadiene	(ug/l)	10U			
2,4,6-Trichlorophenol	(ug/l)	10U			
2,4,5-Trichlorophenol	(ug/l)	25U			
1,1'-Biphenyl	(ug/l)	10U			
2-Chloronaphthalene	(ug/l)	10U			
2-Nitroaniline	(ug/l)	25U			
Dimethylphthalate	(ug/l)	10U			
2,6-Dinitrotoluene	(ug/l)	10U			

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-016 A10W6 10/27/2003 Primary	SW-1 SW-1 04/04/1989 Primary	SW-2 SW-2 04/04/1989 Primary	SW-3 SW-3 04/04/1989 Primary
Acenaphthylene	(ug/l)	10U			
3-Nitroaniline	(ug/l)	25U			
Acenaphthene	(ug/l)	10U			
2,4-Dinitrophenol	(ug/l)	25UJ	1U	1U	1U
4-Nitrophenol	(ug/l)	25U			
Dibenzofuran	(ug/l)	10U			
2,4-Dinitrotoluene	(ug/l)	10U			
Diethylphthalate	(ug/l)	10U			
Fluorene	(ug/l)	10U			
4-chlorophenyl-phenylether	(ug/l)	10U			
4-Nitroaniline	(ug/l)	25U			
4,6-Dinitro-2-methylphenol	(ug/l)	25U			
N-Nitrosodiphenylamine	(ug/l)	10U			
4-Bromophenyl phenylether	(ug/l)	10U			
Hexachlorobenzene	(ug/l)	10U			
Atrazine	(ug/l)	10U			
Pentachlorophenol	(ug/l)	10UJ	34.7	39.3	6.82
Phenanthrene	(ug/l)	10U			
Anthracene	(ug/l)	10U			
Carbazole	(ug/l)	10U			
Di-n-butylphthalate	(ug/l)	10U			
Fluoranthene	(ug/l)	10U			
Pyrene	(ug/l)	10U			
Butylbenzylphthalate	(ug/l)	10U			
3,3'-Dichlorobenzidine	(ug/l)	10U			
Benzo(a)anthracene	(ug/l)	10U			
Chrysene	(ug/l)	10U			
bis(2-Ethylhexyl) phthalate	(ug/l)	10U			
Di-n-octylphthalate	(ug/l)	10U			
Benzo(b)fluoranthene	(ug/l)	10U			

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-016 A10W6 10/27/2003 Primary	SW-1 SW-1 04/04/1989 Primary	SW-2 SW-2 04/04/1989 Primary	SW-3 SW-3 04/04/1989 Primary
Benzo(k)fluoranthene	(ug/l)	10U			
Benzo(a)pyrene	(ug/l)	10U			
Indeno(1,2,3-cd)pyrene	(ug/l)	10U			
Dibenzo(a,h)anthracene	(ug/l)	10U			
Benzo(g,h,i)perylene	(ug/l)	10U			
2,3,5,6-Tetrachlorophenol	(ug/l)	25U	1U	1U	1U
2,6-Dimethylphenol	(ug/l)	25U			
3,4-Dimethylphenol	(ug/l)	25U			

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	VP-001 D02520 04/25/2002 Primary	VP-001 D02521 04/25/2002 Duplicate 1	VP-002 D02522 04/25/2002 Primary
Benzaldehyde	(ug/l)	0.74J	0.45J	0.44J
Phenol	(ug/l)	10U	10U	10U
2-Chlorophenol	(ug/l)	2U	2UJ	2UJ
bis(2-Chloroethyl) ether	(ug/l)	5U	5U	5U
2-Methylphenol	(ug/l)	10U	10U	10U
2,2'-Oxybis(1-Chloropropane)	(ug/l)	5U	5U	5U
Acetophenone	(ug/l)	0.5U	0.5UJ	0.5UJ
4-Methylphenol	(ug/l)	10U	10U	1.2J
N-Nitrosodi-n-propylamine	(ug/l)	5U	5U	5U
Hexachloroethane	(ug/l)	1UJ	1UJ	1UJ
Nitrobenzene	(ug/l)	0.1U	0.1UJ	0.1UJ
Isophorone	(ug/l)	10U	10U	10U
2-Nitrophenol	(ug/l)	10U	10U	10U
2,4-Dimethylphenol	(ug/l)	10UJ	10UJ	10UJ
Bis(2-chloroethoxy) methane	(ug/l)	10U	10U	10U
2,4-Dichlorophenol	(ug/l)	10U	10U	0.86J
Naphthalene	(ug/l)	0.1U	0.1UJ	6J
4-Chloroaniline	(ug/l)	10UJ	10UJ	10UJ
Hexachlorobutadiene	(ug/l)	5UJ	5UJ	5UJ
Caprolactam	(ug/l)	10U	10U	10U
4-Chloro-3-methylphenol	(ug/l)	10U	10U	10U
2-Methylnaphthalene	(ug/l)	10U	10U	10U
Hexachlorocyclopentadiene	(ug/l)	R	R	R
2,4,6-Trichlorophenol	(ug/l)	1U	1UJ	0.42J
2,4,5-Trichlorophenol	(ug/l)	25U	25U	9.4J
1,1'-Biphenyl	(ug/l)	10U	10U	10U
2-Chloronaphthalene	(ug/l)	10U	10U	10U
2-Nitroaniline	(ug/l)	15U	15U	15U
Dimethylphthalate	(ug/l)	1U	1UJ	1UJ
2,6-Dinitrotoluene	(ug/l)	1UJ	1UJ	1UJ

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	VP-001 D02520 04/25/2002 Primary	VP-001 D02521 04/25/2002 Duplicate 1	VP-002 D02522 04/25/2002 Primary
Acenaphthylene	(ug/l)	10UJ	10UJ	10UJ
3-Nitroaniline	(ug/l)	25U	25U	25U
Acenaphthene	(ug/l)	10U	10U	10U
2,4-Dinitrophenol	(ug/l)	5UJ	5UJ	5UJ
4-Nitrophenol	(ug/l)	25U	25U	25U
Dibenzofuran	(ug/l)	1U	1UJ	1UJ
2,4-Dinitrotoluene	(ug/l)	0.5UJ	0.5UJ	0.5UJ
Diethylphthalate	(ug/l)	10U	10U	10U
Fluorene	(ug/l)	1U	1UJ	1UJ
4-chlorophenyl-phenylether	(ug/l)	10U	10U	10U
4-Nitroaniline	(ug/l)	25U	25U	25U
4,6-Dinitro-2-methylphenol	(ug/l)	10U	10U	10U
N-Nitrosodiphenylamine	(ug/l)	5U	5U	5U
4-Bromophenyl phenylether	(ug/l)	10U	10U	10U
Hexachlorobenzene	(ug/l)	0.5U	0.5UJ	0.5UJ
Atrazine	(ug/l)	5U	5U	5U
Pentachlorophenol	(ug/l)	0.2U	0.2UJ	680
Phenanthrene	(ug/l)	5U	5U	5U
Anthracene	(ug/l)	0.5U	0.5UJ	0.5UJ
Carbazole	(ug/l)	1U	1UJ	1UJ
Di-n-butylphthalate	(ug/l)	10U	10U	10U
Fluoranthene	(ug/l)	5U	5U	5U
Pyrene	(ug/l)	10U	10U	0.28J
Butylbenzylphthalate	(ug/l)	10U	0.26J	10U
3,3'-Dichlorobenzidine	(ug/l)	15U	15U	15U
Benzo(a)anthracene	(ug/l)	0.1UJ	10U	10U
Chrysene	(ug/l)	0.1UJ	10U	10U
bis(2-Ethylhexyl) phthalate	(ug/l)	0.64J	0.91J	10U
Di-n-octylphthalate	(ug/l)	10U	10U	10U
Benzo(b)fluoranthene	(ug/l)	10U	10U	0.25J

Surface Water SVOC Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	VP-001 D02520 04/25/2002 Primary	VP-001 D02521 04/25/2002 Duplicate 1	VP-002 D02522 04/25/2002 Primary
Benzo(k)fluoranthene	(ug/l)	10U	10U	10U
Benzo(a)pyrene	(ug/l)	10U	10U	10U
Indeno(1,2,3-cd)pyrene	(ug/l)	10U	10U	10U
Dibenzo(a,h)anthracene	(ug/l)	10U	10U	10U
Benzo(g,h,i)perylene	(ug/l)	10U	10U	10U
2,3,5,6-Tetrachlorophenol	(ug/l)	25U	25U	12J
2,6-Dimethylphenol	(ug/l)	25UJ	25UJ	25UJ
3,4-Dimethylphenol	(ug/l)	25UJ	25UJ	0.77J

Appendix R
Surface Water PAH Results
(low detection limit)

Surface Water PAH Results
(low detection limit)

PERIOD: From 04/04/1989 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-015 D04236 10/21/2003 Primary	SW-015 D04238 10/23/2003 Primary	SW-015 D04245 10/23/2003 Duplicate 1	SW-015 D04240 10/27/2003 Primary
Anthracene	(ug/l)	0.010U	0.036	0.034	0.10
Fluoranthene	(ug/l)	0.010U	0.13	0.14	0.0070J
Benzo(a)pyrene	(ug/l)	0.010U	0.0066J	0.0076J	0.12
Benzo(a)anthracene	(ug/l)	0.010U	0.019	0.020	0.010U
Phenanthrene	(ug/l)	0.0096J	0.25	0.27	0.20
Fluorene	(ug/l)	0.0098J	0.062	0.068	0.0084J

Surface Water PAH Results
(low detection limit)

PERIOD: From 04/04/1989 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-016 D04237 10/21/2003 Primary	SW-016 D04239 10/23/2003 Primary	SW-016 D04241 10/27/2003 Primary
Anthracene	(ug/l)	0.010U	0.010U	0.010U
Fluoranthene	(ug/l)	0.010U	0.010U	0.0074J
Benzo(a)pyrene	(ug/l)	0.010U	0.010U	0.010U
Benzo(a)anthracene	(ug/l)	0.010U	0.010U	0.010U
Phenanthrene	(ug/l)	0.010U	0.010U	0.0062J
Fluorene	(ug/l)	0.010U	0.010U	0.010U

Appendix S
Surface Water Metals/Cyanide Results (Total)

Surface Water Metals/Cyanide Results
(Total)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	BRIDGE 06/30/1998 Primary	COUNTY BRIDGE 06/30/1998 Primary	RUMFORD RIVE 06/30/1998 Primary	SW-001 D01893 11/06/2001 Primary
Aluminum	(ug/l)				12.6J
Antimony	(ug/l)				0.35J
Arsenic	(ug/l)	5.0U	5.0U	5.0U	1.1
Barium	(ug/l)	20.0	17.0	18.0	34.8
Beryllium	(ug/l)				0.1U
Cadmium	(ug/l)	5.0U	5.0U	5.0U	0.05U
Calcium	(ug/l)				17400
Chromium(total)	(ug/l)	5.0U	5.0U	5.0U	2.5U
Cobalt	(ug/l)				1U
Copper	(ug/l)				1.4J
Iron	(ug/l)				234
Lead	(ug/l)	5.0U	5.0U	5.0U	0.27
Magnesium	(ug/l)				3270
Manganese	(ug/l)				35.1
Mercury	(ug/l)	0.50U	0.50U	0.50U	0.00238J
Nickel	(ug/l)				2.5U
Potassium	(ug/l)				3100
Selenium	(ug/l)	5.0U	5.0U	5.0U	0.5U
Silver	(ug/l)	5.0U	5.0U	5.0U	0.1U
Sodium	(ug/l)				62300
Thallium	(ug/l)				0.1U
Vanadium	(ug/l)				2.5U
Zinc	(ug/l)				5.9UJ
Cyanide	(ug/l)				5.0U

Surface Water Metals/Cyanide Results
(Total)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-004 D01894 11/06/2001 Primary	SW-005 D01895 11/06/2001 Primary	SW-006 D01896 11/07/2001 Primary	SW-007 D01897 11/07/2001 Primary
Aluminum	(ug/l)	20.4	12.8J	16	23.7
Antimony	(ug/l)	0.33J	0.43J	0.25U	0.35J
Arsenic	(ug/l)	1.4	0.1	1.4	1.4
Barium	(ug/l)	28.3	57.2	70.1	16.5
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.05U	0.07J	0.05U	0.05U
Calcium	(ug/l)	15700	23900	33600	11300
Chromium(total)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Cobalt	(ug/l)	1U	1U	1U	1U
Copper	(ug/l)	1.5J	1.6J	1U	1.3J
Iron	(ug/l)	424	83.5	25U	482
Lead	(ug/l)	0.23	0.13J	0.2J	0.23
Magnesium	(ug/l)	3010	4630	5760	2280
Manganese	(ug/l)	119	64.3	4.7	114
Mercury	(ug/l)	0.0022U	0.0022U	0.0022UJ	0.0022UJ
Nickel	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium	(ug/l)	2630	4800	5350	1850
Selenium	(ug/l)	0.5U	0.67J	0.66J	0.5U
Silver	(ug/l)	0.1U	0.1U	0.1U	0.1U
Sodium	(ug/l)	51300	108000	145000	29800
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc	(ug/l)	5.1UJ	10.1U	6.3UJ	5U
Cyanide	(ug/l)	5.0U	5.0U	5.0U	5.0U

Surface Water Metals/Cyanide Results
(Total)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-008 D01898 11/07/2001 Primary	SW-009 D01899 11/08/2001 Primary	SW-010 D01900 11/08/2001 Primary	SW-010 D01901 11/08/2001 Duplicate 1
Aluminum	(ug/l)	631	12.5J	14.5J	16.9
Antimony	(ug/l)	0.97	0.29J	0.28J	0.28J
Arsenic	(ug/l)	4.1	1.5J	0.38	0.37
Barium	(ug/l)	29.8	15.7	15.3	15.7
Beryllium	(ug/l)	0.15J	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.18	0.05U	0.05U	0.05U
Calcium	(ug/l)	10000	11300	11200	11200
Chromium(total)	(ug/l)	4.2J	2.5U	2.5U	2.5U
Cobalt	(ug/l)	2.5	1U	1U	1U
Copper	(ug/l)	6.9	1J	1J	1U
Iron	(ug/l)	7510	161J	292	288
Lead	(ug/l)	5.9	0.12J	0.2J	0.21
Magnesium	(ug/l)	2250	2270	2250	2250
Manganese	(ug/l)	453	86.5J	79	82
Mercury	(ug/l)	0.0185	0.0022UJ	0.0022UJ	
Nickel	(ug/l)	2.7J	2.5U	2.5U	2.5U
Potassium	(ug/l)	2000	1800	1750	1800
Selenium	(ug/l)	0.58J	0.5U	0.5U	0.5U
Silver	(ug/l)	0.1U	0.1U	0.1U	0.1U
Sodium	(ug/l)	25000	30400	29400	29800
Thallium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium	(ug/l)	5.3	2.5U	2.5U	2.5U
Zinc	(ug/l)	26.5U	5U	5U	5U
Cyanide	(ug/l)	5.0U	5.0U		

Surface Water Metals/Cyanide Results
(Total)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-010 D01900 11/13/2001 Primary	SW-010 D01901 11/13/2001 Duplicate 1	SW-013 D01902 11/09/2001 Primary	SW-013 D01994 11/09/2001 Duplicate 1
Aluminum	(ug/l)			155	
Antimony	(ug/l)			0.67	
Arsenic	(ug/l)			0.64	
Barium	(ug/l)			20.2	
Beryllium	(ug/l)			0.1U	
Cadmium	(ug/l)			0.06J	
Calcium	(ug/l)			11500	
Chromium(total)	(ug/l)			2.5U	
Cobalt	(ug/l)			1U	
Copper	(ug/l)			2.6	
Iron	(ug/l)			1070	
Lead	(ug/l)			2.3	
Magnesium	(ug/l)			2280	
Manganese	(ug/l)			246	
Mercury	(ug/l)			0.0142	0.0188
Nickel	(ug/l)			2.5U	
Potassium	(ug/l)			1830	
Selenium	(ug/l)			0.5U	
Silver	(ug/l)			0.16J	
Sodium	(ug/l)			31900	
Thallium	(ug/l)			0.1U	
Vanadium	(ug/l)			2.5U	
Zinc	(ug/l)			7.1UJ	
Cyanide	(ug/l)	5.0U	5.0U	5.0U	

Surface Water Metals/Cyanide Results
(Total)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-014 D01903 11/09/2001 Primary	SW-015 MA10W1 10/21/2003 Primary	SW-015 MA10W3 10/23/2003 Primary	SW-015 MA10X0 10/23/2003 Duplicate 1
Aluminum	(ug/l)	36	183UJ	131UJ	151UJ
Antimony	(ug/l)	0.25U	6.2U	6.2U	6.2U
Arsenic	(ug/l)	0.31	4.1U	4.1U	4.1U
Barium	(ug/l)	19.8	24.5	24.4	24.7
Beryllium	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium	(ug/l)	0.05U	0.6U	0.6U	0.6U
Calcium	(ug/l)	10400	11700	12200	12400
Chromium(total)	(ug/l)	2.5U	0.8U	0.8U	0.8U
Cobalt	(ug/l)	1U	0.9U	0.9U	0.9U
Copper	(ug/l)	1U	1.3U	1.3U	1.3U
Iron	(ug/l)	288	374	414	416
Lead	(ug/l)	0.65	2.8U	2.8U	2.8U
Magnesium	(ug/l)	2140	2370	2470	2510
Manganese	(ug/l)	175	166	183	186
Mercury	(ug/l)	0.0043J	0.1U	0.1U	0.1U
Nickel	(ug/l)	2.5U	1.6U	1.6U	1.6U
Potassium	(ug/l)	1830	2340	2400	2450
Selenium	(ug/l)	0.5U	4.2U	4.2U	4.2U
Silver	(ug/l)	0.1U	1.1U	1.1U	1.1U
Sodium	(ug/l)	22400	39600	40700	41200
Thallium	(ug/l)	0.1U	5.3U	5.3U	5.3U
Vanadium	(ug/l)	2.5U	1U	1U	1U
Zinc	(ug/l)	5U	4.7	3.8	4.4
Cyanide	(ug/l)	9.2J			

Surface Water Metals/Cyanide Results
(Total)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-015 MA10W5 10/27/2003 Primary	SW-016 MA10W2 10/21/2003 Primary	SW-016 MA10W4 10/23/2003 Primary	SW-016 MA10W6 10/27/2003 Primary
Aluminum	(ug/l)	168UJ	158UJ	148UJ	179UJ
Antimony	(ug/l)	6.2U	6.2U	6.2U	6.2U
Arsenic	(ug/l)	4.1U	4.1U	4.1U	4.1U
Barium	(ug/l)	27.2	28.3	27.4	27.7
Beryllium	(ug/l)	0.12UJ	0.1U	0.1U	0.14UJ
Cadmium	(ug/l)	0.6U	0.6U	0.6U	0.6U
Calcium	(ug/l)	11700	12100	12200	11200
Chromium(total)	(ug/l)	0.8U	0.8U	0.8U	0.8U
Cobalt	(ug/l)	0.9U	0.9U	0.9U	0.9U
Copper	(ug/l)	1.9J	1.3U	1.3U	1.4J
Iron	(ug/l)	547	419	477	481
Lead	(ug/l)	2.8U	3.4J	2.8U	2.8U
Magnesium	(ug/l)	2350	2440	2480	2200
Manganese	(ug/l)	285	258	320	327
Mercury	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel	(ug/l)	1.6U	1.6U	1.6U	1.6U
Potassium	(ug/l)	2860	2360	2370	2590
Selenium	(ug/l)	4.2U	4.2U	4.2U	4.2U
Silver	(ug/l)	1.1U	1.1U	1.1U	1.1U
Sodium	(ug/l)	38400	42700	43000	37600
Thallium	(ug/l)	5.3U	5.3U	5.3U	5.3U
Vanadium	(ug/l)	1U	1U	1U	1U
Zinc	(ug/l)	7.7	9.9	3.5	6.7
Cyanide	(ug/l)				

Surface Water Metals/Cyanide Results
(Total)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	VP-001 D02520 04/25/2002 Primary	VP-001 D02521 04/25/2002 Duplicate 1	VP-002 D02522 04/25/2002 Primary
Aluminum	(ug/l)	1270J	510J	807J
Antimony	(ug/l)	0.57	0.37J	0.32J
Arsenic	(ug/l)	1.2J	0.76J	0.55J
Barium	(ug/l)	26.6J	12.6J	18.8J
Beryllium	(ug/l)	0.73J	0.29J	0.32J
Cadmium	(ug/l)	0.34	0.07J	0.72
Calcium	(ug/l)	8700	6670	12500
Chromium(total)	(ug/l)	2.5U	2.5U	3.8J
Cobalt	(ug/l)	2.5	1.6J	4.3
Copper	(ug/l)	6.7	2.7	8.3
Iron	(ug/l)	1520	2010	21200
Lead	(ug/l)	11.3J	1.9J	8.6J
Magnesium	(ug/l)	1330	1200	2360
Manganese	(ug/l)	15.6J	10.7J	882J
Mercury	(ug/l)	0.017J	0.074J	0.018J
Nickel	(ug/l)	5J	3.4J	2.8J
Potassium	(ug/l)	339J	188J	840J
Selenium	(ug/l)	0.86J	0.62J	0.78J
Silver	(ug/l)	R	R	R
Sodium	(ug/l)	5220	5150	11000
Thallium	(ug/l)	0.1U	0.1U	0.1U
Vanadium	(ug/l)	9.3	3.3J	4J
Zinc	(ug/l)	44.5	14.6	18.7
Cyanide	(ug/l)			

Appendix T
Laboratory Data:
Surface Water Metals Results (dissolved)

Surface Water Metals/Cyanide Results
(Dissolved)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	ABOVE - PLANT	SW-001	SW-004	SW-005
	SAMPLE ID		D01893	D01894	D01895
	DATE	03/21/1988	11/06/2001	11/06/2001	11/06/2001
	RESULT TYPE	Primary	Primary	Primary	Primary
Aluminum (Dissolved)	(ug/l)		15.7	17.9	23.6
Antimony (Dissolved)	(ug/l)		0.35J	0.35J	0.43J
Arsenic (Dissolved)	(ug/l)	10U	1	1.3	1
Barium (Dissolved)	(ug/l)		35.5	29.3	59
Beryllium (Dissolved)	(ug/l)		0.1U	0.1U	0.1U
Cadmium (Dissolved)	(ug/l)		0.05U	0.05U	0.08J
Calcium (Dissolved)	(ug/l)		17900	16000	25000
Chromium (Dissolved)	(ug/l)	10U	2.5U	2.5U	2.5U
Cobalt (Dissolved)	(ug/l)		1U	1U	1U
Copper (Dissolved)	(ug/l)		1U	1U	1.7J
Iron (Dissolved)	(ug/l)		122	232	45.3J
Lead (Dissolved)	(ug/l)		0.16J	0.18J	0.1U
Magnesium (Dissolved)	(ug/l)		3270	3000	4860
Manganese (Dissolved)	(ug/l)		30.6	118	65.7
Mercury (Dissolved)	(ug/l)		0.0022U	0.0022U	0.0022U
Nickel (Dissolved)	(ug/l)		2.5U	2.5U	2.5U
Potassium (Dissolved)	(ug/l)		3220	2820	5130
Selenium (Dissolved)	(ug/l)		0.5U	0.5U	0.68J
Silver (Dissolved)	(ug/l)		0.1U	0.1U	0.1U
Sodium (Dissolved)	(ug/l)		65400	54600	115000
Thallium (Dissolved)	(ug/l)		0.1U	0.1U	0.1U
Vanadium (Dissolved)	(ug/l)		2.5U	2.5U	2.5U
Zinc (Dissolved)	(ug/l)		5U	5U	8.4J

Surface Water Metals/Cyanide Results
(Dissolved)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-006 D01896 11/07/2001 Primary	SW-007 D01897 11/07/2001 Primary	SW-008 D01898 11/07/2001 Primary	SW-009 D01899 11/08/2001 Primary
Aluminum (Dissolved)	(ug/l)	20.1	20.8	135	19
Antimony (Dissolved)	(ug/l)	0.25U	0.38J	0.66	0.36J
Arsenic (Dissolved)	(ug/l)	1.3	1.2	2.3	2J
Barium (Dissolved)	(ug/l)	71.8	16.6	23.6	16.4
Beryllium (Dissolved)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium (Dissolved)	(ug/l)	0.05U	0.05U	0.14	0.05U
Calcium (Dissolved)	(ug/l)	34500	11400	10100	11700
Chromium (Dissolved)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Cobalt (Dissolved)	(ug/l)	1U	1U	2.1	1U
Copper (Dissolved)	(ug/l)	1U	1U	1.6J	1.2J
Iron (Dissolved)	(ug/l)	25U	267	1630	323J
Lead (Dissolved)	(ug/l)	0.2J	0.14J	0.33	0.25
Magnesium (Dissolved)	(ug/l)	5740	2250	2260	2270
Manganese (Dissolved)	(ug/l)	4.7	119	457	96.8J
Mercury (Dissolved)	(ug/l)	0.00501J	0.011J	0.0117	0.00708J
Nickel (Dissolved)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Potassium (Dissolved)	(ug/l)	5670	1890	2120	1860
Selenium (Dissolved)	(ug/l)	0.69J	0.5U	0.5U	0.51J
Silver (Dissolved)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Sodium (Dissolved)	(ug/l)	153000	30800	27200	32000
Thallium (Dissolved)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Vanadium (Dissolved)	(ug/l)	2.5U	2.5U	2.5U	2.5U
Zinc (Dissolved)	(ug/l)	5U	5U	14.2	5U

Surface Water Metals/Cyanide Results
(Dissolved)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	SW-010	SW-010	SW-013	SW-013
	SAMPLE ID	D01900	D01901	D01902	D01994
	DATE	11/08/2001	11/08/2001	11/09/2001	11/09/2001
	RESULT TYPE	Primary	Duplicate 1	Primary	Duplicate 1
Aluminum (Dissolved)	(ug/l)	15.3	13.4J	18.4	
Antimony (Dissolved)	(ug/l)	0.27J	0.28J	0.52	
Arsenic (Dissolved)	(ug/l)	0.37	0.36	0.43	
Barium (Dissolved)	(ug/l)	15.8	15.7	18	
Beryllium (Dissolved)	(ug/l)	0.1U	0.1U	0.1U	
Cadmium (Dissolved)	(ug/l)	0.05U	0.05U	0.05U	
Calcium (Dissolved)	(ug/l)	11400	11400	11500	
Chromium (Dissolved)	(ug/l)	2.5U	2.5U	2.5U	
Cobalt (Dissolved)	(ug/l)	1U	1U	1U	
Copper (Dissolved)	(ug/l)	1U	1U	1U	
Iron (Dissolved)	(ug/l)	136	141	236	
Lead (Dissolved)	(ug/l)	0.14J	0.13J	0.23	
Magnesium (Dissolved)	(ug/l)	2280	2250	2210	
Manganese (Dissolved)	(ug/l)	66.6	67.9	208	
Mercury (Dissolved)	(ug/l)	0.00641J		0.0022U	0.0022U
Nickel (Dissolved)	(ug/l)	2.5U	2.5U	2.5U	
Potassium (Dissolved)	(ug/l)	1860	1900	1850	
Selenium (Dissolved)	(ug/l)	0.5U	0.5U	0.5U	
Silver (Dissolved)	(ug/l)	0.1U	0.1U	0.1U	
Sodium (Dissolved)	(ug/l)	31300	31300	32800	
Thallium (Dissolved)	(ug/l)	0.1U	0.1U	0.1U	
Vanadium (Dissolved)	(ug/l)	2.5U	2.5U	2.5U	
Zinc (Dissolved)	(ug/l)	23	5U	5U	

Surface Water Metals/Cyanide Results
(Dissolved)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-014 D01903 11/09/2001 Primary	SW-015 MA1848 10/21/2003 Primary	SW-015 MA1850 10/23/2003 Primary	SW-015 MA18A2 10/23/2003 Duplicate 1
Aluminum (Dissolved)	(ug/l)	24.4	111J	107J	111J
Antimony (Dissolved)	(ug/l)	0.25U	6.2U	6.2U	6.2U
Arsenic (Dissolved)	(ug/l)	0.29	4.1U	4.1U	4.1U
Barium (Dissolved)	(ug/l)	19.6	24.3	24	23.9
Beryllium (Dissolved)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Cadmium (Dissolved)	(ug/l)	0.05U	0.6U	0.6U	0.6U
Calcium (Dissolved)	(ug/l)	10700	11800	12200	12200
Chromium (Dissolved)	(ug/l)	2.5U	0.8U	0.8U	0.8U
Cobalt (Dissolved)	(ug/l)	1U	0.9U	0.9U	0.9U
Copper (Dissolved)	(ug/l)	1U	1.3U	1.3U	1.3U
Iron (Dissolved)	(ug/l)	151	218	195	188
Lead (Dissolved)	(ug/l)	0.29	2.8U	2.8U	2.8U
Magnesium (Dissolved)	(ug/l)	2120	2380	2440	2440
Manganese (Dissolved)	(ug/l)	123	159	172	173
Mercury (Dissolved)	(ug/l)	0.0022U	0.1U	0.1U	0.1U
Nickel (Dissolved)	(ug/l)	2.5U	1.6U	1.6U	1.6U
Potassium (Dissolved)	(ug/l)	1960	2370	2420	2430
Selenium (Dissolved)	(ug/l)	0.5U	4.2U	4.2U	4.2U
Silver (Dissolved)	(ug/l)	0.1U	1.1U	1.1U	1.1U
Sodium (Dissolved)	(ug/l)	23600	39600	40700	41100
Thallium (Dissolved)	(ug/l)	0.1U	5.3U	5.3U	5.3U
Vanadium (Dissolved)	(ug/l)	2.5U	1U	1U	1U
Zinc (Dissolved)	(ug/l)	5U	4.3	7.1	6.3

Surface Water Metals/Cyanide Results
(Dissolved)

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-015 MA1852 10/27/2003 Primary	SW-016 MA1849 10/21/2003 Primary	SW-016 MA1851 10/23/2003 Primary	SW-016 MA1853 10/27/2003 Primary
Aluminum (Dissolved)	(ug/l)	158J	108J	125J	106J
Antimony (Dissolved)	(ug/l)	6.2U	6.2U	6.2U	6.2U
Arsenic (Dissolved)	(ug/l)	4.1U	4.1U	4.1U	4.1U
Barium (Dissolved)	(ug/l)	25.3	26.8	26.8	26.7
Beryllium (Dissolved)	(ug/l)	0.1U	0.1U	0.11J	0.1U
Cadmium (Dissolved)	(ug/l)	0.6U	0.6U	0.6U	0.6U
Calcium (Dissolved)	(ug/l)	11300	11600	12100	11100
Chromium (Dissolved)	(ug/l)	0.8U	0.8U	0.8U	0.8U
Cobalt (Dissolved)	(ug/l)	0.9U	0.9U	0.9U	0.9U
Copper (Dissolved)	(ug/l)	1.3U	1.3U	1.3U	1.3U
Iron (Dissolved)	(ug/l)	242	226	274	213
Lead (Dissolved)	(ug/l)	2.8U	2.8U	2.8U	2.8U
Magnesium (Dissolved)	(ug/l)	2260	2330	2420	2150
Manganese (Dissolved)	(ug/l)	232	247	311	314
Mercury (Dissolved)	(ug/l)	0.1U	0.1U	0.1U	0.1U
Nickel (Dissolved)	(ug/l)	1.6U	1.6U	1.6U	1.6U
Potassium (Dissolved)	(ug/l)	2810	2220	2350	2540
Selenium (Dissolved)	(ug/l)	4.2U	4.2U	4.2U	4.2U
Silver (Dissolved)	(ug/l)	1.1U	1.1U	1.1U	1.1U
Sodium (Dissolved)	(ug/l)	37500	41000	43000	37300
Thallium (Dissolved)	(ug/l)	5.3U	5.3U	5.3U	5.3U
Vanadium (Dissolved)	(ug/l)	1U	1U	1U	1U
Zinc (Dissolved)	(ug/l)	10	3.9	7.4	8.8

Appendix U
Surface Water Dioxin/Furan Results

Surface Water Dioxin/Furan Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	FP 10/16/1998 Primary	RRHP03-W 10/16/1998 Primary	RRKP-W 10/16/1998 Primary	RRUS-W 10/16/1998 Primary
2,3,7,8-TCDD	(ng/l)				
1,2,3,7,8-PeCDD	(ng/l)				
1,2,3,4,7,8-HxCDD	(ng/l)				
1,2,3,6,7,8-HxCDD	(ng/l)				
1,2,3,7,8,9-HxCDD	(ng/l)				
1,2,3,4,6,7,8-HpCDD	(ng/l)				
OCDD	(ng/l)				
2,3,7,8-TCDF	(ng/l)				
1,2,3,7,8-PeCDF	(ng/l)				
2,3,4,7,8-PeCDF	(ng/l)				
1,2,3,4,7,8-HxCDF	(ng/l)				
1,2,3,6,7,8-HxCDF	(ng/l)				
2,3,4,6,7,8-HxCDF	(ng/l)				
1,2,3,7,8,9-HxCDF	(ng/l)				
1,2,3,4,6,7,8-HpCDF	(ng/l)				
1,2,3,4,7,8,9-HpCDF	(ng/l)				
OCDF	(ng/l)				
TCDDs (total)	(ng/l)				
PeCDDs (total)	(ng/l)	0.00026U	0.00067U	0.00036	0.00020U
HxCDDs (Total)	(ng/l)				
HpCDDs (total)	(ng/l)	0.045	0.16	0.046	0.0022U
TCDFs (total)	(ng/l)				
PeCDFs (total)	(ng/l)	0.00066U	0.0044U	0.0029U	0.00027U
HxCDFs (total)	(ng/l)	0.0049	0.045	0.0099	0.000071U
HpCDFs (total)	(ng/l)	0.032	0.12	0.036	0.00059U
TEQ EMPC (ND=0) 1989	(ng/l)				
TEQ EMPC (ND=0) 1998	(ng/l)				

Surface Water Dioxin/Furan Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	RRUS-W RRUS-2W 10/16/1998 Duplicate 1	SW-001 D01893 11/06/2001 Primary	SW-007 D01897 11/07/2001 Primary	SW-010 D01900 11/08/2001 Primary
2,3,7,8-TCDD	(ng/l)		0.0013U	0.0012U	0.0024*
1,2,3,7,8-PeCDD	(ng/l)		0.0012U	0.0015U	0.004U
1,2,3,4,7,8-HxCDD	(ng/l)		0.0027UJ	0.0035UJ	0.003UJ
1,2,3,6,7,8-HxCDD	(ng/l)		0.0024UJ	0.0164UJ	0.0034UJ
1,2,3,7,8,9-HxCDD	(ng/l)		0.0024U	0.0059U	0.004U
1,2,3,4,6,7,8-HpCDD	(ng/l)		0.013UJ	0.435J	0.0073UJ
OCDD	(ng/l)		0.0767UJ	3.64J	0.034UJ
2,3,7,8-TCDF	(ng/l)		0.0009UJ	0.0009UJ	0.0013J
1,2,3,7,8-PeCDF	(ng/l)		0.0006UJ	0.0011UJ*	0.0044UJ
2,3,4,7,8-PeCDF	(ng/l)		0.0005U	0.0008U	0.0034U
1,2,3,4,7,8-HxCDF	(ng/l)		0.0006U	0.0027U	0.0033U
1,2,3,6,7,8-HxCDF	(ng/l)		0.0007U	0.0008U	0.0029U
2,3,4,6,7,8-HxCDF	(ng/l)		0.0006U	0.0019U	0.0025U
1,2,3,7,8,9-HxCDF	(ng/l)		0.0008U	0.001U	0.0036U
1,2,3,4,6,7,8-HpCDF	(ng/l)		0.0024UJ	0.0689J	0.0044UJ
1,2,3,4,7,8,9-HpCDF	(ng/l)		0.0013U	0.0049U	0.0025U
OCDF	(ng/l)		0.0069U	0.303J	0.0074U
TCDDs (total)	(ng/l)		0.0021UJ	0.0015UJ	0.0024*
PeCDDs (total)	(ng/l)	0.00025U	0.0012UJ	0.0042UJ	0.004UJ
HxCDDs (Total)	(ng/l)		0.0032UJ	0.0708UJ*	0.0104UJ
HpCDDs (total)	(ng/l)	0.00010U	0.0195UJ	0.668J	0.0111UJ
TCDFs (total)	(ng/l)		0.0009UJ	0.0009UJ	0.0013J
PeCDFs (total)	(ng/l)	0.00038U	0.0005UJ	0.0099UJ*	0.0077UJ
HxCDFs (total)	(ng/l)	0.00050	0.0039UJ*	0.0754UJ*	0.0122UJ
HpCDFs (total)	(ng/l)	0.00052U	0.0072UJ	0.295J	0.009UJ
TEQ EMPC (ND=0) 1989	(ng/l)		0UJ	0.009J	0.0025J
TEQ EMPC (ND=0) 1998	(ng/l)		0.0UJ	0.0090J	0.0025J

Surface Water Dioxin/Furan Results

PERIOD: From 03/21/1988 thru 10/27/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	SW-010 D01901 11/08/2001 Duplicate 1	SW-013 D01902 11/09/2001 Primary
2,3,7,8-TCDD	(ng/l)	0.0025*	0.0036U
1,2,3,7,8-PeCDD	(ng/l)	0.0047U	0.0019U*
1,2,3,4,7,8-HxCDD	(ng/l)	0.0036UJ*	0.0038UJ
1,2,3,6,7,8-HxCDD	(ng/l)	0.0035UJ	0.0055UJ
1,2,3,7,8,9-HxCDD	(ng/l)	0.004U	0.0047U
1,2,3,4,6,7,8-HpCDD	(ng/l)	0.0062UJ	0.0174UJ
OCDD	(ng/l)	0.023UJ	0.102UJ
2,3,7,8-TCDF	(ng/l)	0.0016J	0.0027UJ
1,2,3,7,8-PeCDF	(ng/l)	0.0047UJ	0.0022UJ
2,3,4,7,8-PeCDF	(ng/l)	0.0038U	0.0021U
1,2,3,4,7,8-HxCDF	(ng/l)	0.0033U	0.0022U*
1,2,3,6,7,8-HxCDF	(ng/l)	0.0039U	0.0024U*
2,3,4,6,7,8-HxCDF	(ng/l)	0.0031U	0.0025U
1,2,3,7,8,9-HxCDF	(ng/l)	0.0046U	0.0034U
1,2,3,4,6,7,8-HpCDF	(ng/l)	0.0046UJ	0.0074UJ
1,2,3,4,7,8,9-HpCDF	(ng/l)	0.0027U	0.003U
OCDF	(ng/l)	0.0091U	0.0232U
TCDDs (total)	(ng/l)	0.0025*	0.0036UJ
PeCDDs (total)	(ng/l)	0.0059UJ*	0.0019UJ*
HxCDDs (Total)	(ng/l)	0.0126UJ*	0.0094UJ
HpCDDs (total)	(ng/l)	0.0084UJ*	0.0303UJ
TCDFs (total)	(ng/l)	0.0016J	0.0027UJ
PeCDFs (total)	(ng/l)	0.0085UJ	0.0044UJ
HxCDFs (total)	(ng/l)	0.0149UJ	0.0166UJ*
HpCDFs (total)	(ng/l)	0.0091UJ	0.0145UJ
TEQ EMPC (ND=0) 1989	(ng/l)	0.0027J	0UJ
TEQ EMPC (ND=0) 1998	(ng/l)	0.0027J	0.0UJ

Appendix V
Sediment VOC Results

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FPS 10/16/1998 0.13 Primary	RRHP03 RRHP03-S 10/16/1998 0.12 Primary	RRUS-S 10/16/1998 0.13 Primary	RRUS-S RRUS-2S 10/16/1998 0.13 Duplicate 1
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.25	0.25	0.25	0.25
Dichlorodifluoromethane	(ug/kg)				
Chloromethane	(ug/kg)	11U	12U	26U	29U
Vinyl chloride	(ug/kg)	11U	12U	26U	29U
Bromomethane	(ug/kg)	11U	12U	26U	29U
Chloroethane	(ug/kg)	11U	12U	26U	29U
Fluorotrichloromethane	(ug/kg)				
1,1-Dichloroethene	(ug/kg)	11U	12U	26U	29U
Freon 113	(ug/kg)				
Acetone	(ug/kg)	11U	24U	26U	29U
Carbon disulfide	(ug/kg)	11U	12U	26U	29U
Methyl Acetate	(ug/kg)				
Methylene chloride	(ug/kg)	11U	12U	26U	29U
trans-1,2-Dichloroethene	(ug/kg)				
Methyl tert-butyl ether	(ug/kg)				
1,1-Dichloroethane	(ug/kg)	11U	12U	26U	29U
cis-1,2-Dichloroethene	(ug/kg)				
2-Butanone (MEK)	(ug/kg)	11U	12U	26U	29U
Chloroform	(ug/kg)	11U	12U	26U	29U
1,1,1-trichloroethane	(ug/kg)	11U	12U	26U	29U
Cyclohexane	(ug/kg)				
Carbon tetrachloride	(ug/kg)	11U	12U	26U	29U
Trichloroethene	(ug/kg)	11U	12U	26U	29U
1,2-Dichloroethane	(ug/kg)	11U	12U	26U	29U
Benzene	(ug/kg)	11U	12U	26U	29U
Methylcyclohexane	(ug/kg)				
1,2-Dichloropropane	(ug/kg)	11U	12U	26U	29U
Bromodichloromethane	(ug/kg)	11U	12U	26U	29U
cis-1,3-Dichloropropene	(ug/kg)	11U	12U	26U	29U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FPS 10/16/1998 0.13 Primary	RRHP03 RRHP03-S 10/16/1998 0.12 Primary	RRUS-S 10/16/1998 0.13 Primary	RRUS-S RRUS-2S 10/16/1998 0.13 Duplicate 1
4-Methyl-2-pentanone	(ug/kg)	11U	12U	26U	29U
Toluene	(ug/kg)	11U	12U	38	8
Trans-1,3-Dichloropropene	(ug/kg)	11U	12U	26U	29U
1,1,2-Trichloroethane	(ug/kg)	11U	12U	26U	29U
Tetrachloroethene	(ug/kg)	11U	12U	26U	29U
2-Hexanone	(ug/kg)	11U	12U	26U	29U
Chlorodibromomethane	(ug/kg)	11U	12U	26U	29U
1,2-Dibromoethane (EDB)	(ug/kg)				
Chlorobenzene	(ug/kg)	11U	12U	26U	29U
Ethylbenzene	(ug/kg)	11U	12U	26U	29U
Xylenes (total)	(ug/kg)	11U	2	26U	29U
Styrene	(ug/kg)	11U	12U	26U	29U
Bromoform	(ug/kg)	11U	12U	26U	29U
Isopropylbenzene	(ug/kg)				
1,1,2,2-Tetrachloroethane	(ug/kg)	11U	12U	26U	29U
1,3-Dichlorobenzene	(ug/kg)	740U	8300U	2200U	630U
1,4-Dichlorobenzene	(ug/kg)	740U	8300U	2200U	630U
1,2-Dichlorobenzene	(ug/kg)	740U	8300U	2200U	630U
1,2-Dibromo-3-chloropropane	(ug/kg)				
1,2,4-Trichlorobenzene	(ug/kg)	740U	8300U	2200U	630U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-001	SD-001	SD-002	SD-003
	SAMPLE ID	D01917	D01918	D01919	D01921
	DATE	11/05/2001	11/05/2001	11/05/2001	11/08/2001
	DEPTH (ft)	0.25	0.75	0.13	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.00
Ending Depth	(feet)	0.50	1.00	0.25	0.50
Dichlorodifluoromethane	(ug/kg)	50U	42U	44U	16U
Chloromethane	(ug/kg)	50U	42U	44U	16U
Vinyl chloride	(ug/kg)	50U	42U	44U	16U
Bromomethane	(ug/kg)	50U	42U	44U	16UJ
Chloroethane	(ug/kg)	50U	42U	44U	16U
Fluorotrichloromethane	(ug/kg)	50U	42U	44U	16U
1,1-Dichloroethene	(ug/kg)	50U	42U	44U	16U
Freon 113	(ug/kg)	50U	42U	44U	16U
Acetone	(ug/kg)	85JEB	160JEB	71.2U	320UJ
Carbon disulfide	(ug/kg)	50U	42U	51UJ	28U
Methyl Acetate	(ug/kg)	420J	120J	74J	1100
Methylene chloride	(ug/kg)	50U	42U	44U	34UJ
trans-1,2-Dichloroethene	(ug/kg)	50U	42U	44U	16U
Methyl tert-butyl ether	(ug/kg)	50U	42U	44U	16U
1,1-Dichloroethane	(ug/kg)	50U	42U	44U	16U
cis-1,2-Dichloroethene	(ug/kg)	50U	42U	44U	16U
2-Butanone (MEK)	(ug/kg)	50U	42U	44U	240UJ
Chloroform	(ug/kg)	50U	42U	44U	16U
1,1,1-trichloroethane	(ug/kg)	50U	42U	44U	16U
Cyclohexane	(ug/kg)	50U	42U	44U	8J
Carbon tetrachloride	(ug/kg)	50U	42U	44U	16U
Trichloroethene	(ug/kg)	50U	42U	44U	16U
1,2-Dichloroethane	(ug/kg)	50U	42U	44U	16U
Benzene	(ug/kg)	50U	42U	44U	16UJ
Methylcyclohexane	(ug/kg)	50U	42U	44U	16
1,2-Dichloropropane	(ug/kg)	50U	42U	44U	16U
Bromodichloromethane	(ug/kg)	50U	42U	44U	16U
cis-1,3-Dichloropropene	(ug/kg)	50U	42U	44U	16U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-001	SD-001	SD-002	SD-003
	SAMPLE ID	D01917	D01918	D01919	D01921
	DATE	11/05/2001	11/05/2001	11/05/2001	11/08/2001
	DEPTH (ft)	0.25	0.75	0.13	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
4-Methyl-2-pentanone	(ug/kg)	50U	42U	44U	16U
Toluene	(ug/kg)	50U	42U	44U	50
Trans-1,3-Dichloropropene	(ug/kg)	50UJ	42UJ	44UJ	16UJ
1,1,2-Trichloroethane	(ug/kg)	50U	42U	44U	16U
Tetrachloroethene	(ug/kg)	50U	42U	44U	16U
2-Hexanone	(ug/kg)	R	R	R	R
Chlorodibromomethane	(ug/kg)	50U	42U	44U	16U
1,2-Dibromoethane (EDB)	(ug/kg)	50U	42U	44U	16U
Chlorobenzene	(ug/kg)	50U	42U	44U	16U
Ethylbenzene	(ug/kg)	50U	42U	44U	22U
Xylenes (total)	(ug/kg)	50U	42U	44U	94
Styrene	(ug/kg)	50U	42U	44U	16U
Bromoform	(ug/kg)	50U	42U	44U	16U
Isopropylbenzene	(ug/kg)	50U	42U	44U	33
1,1,2,2-Tetrachloroethane	(ug/kg)	50U	42U	44U	16U
1,3-Dichlorobenzene	(ug/kg)	50U	42U	44U	16U
1,4-Dichlorobenzene	(ug/kg)	50U	42U	44U	16U
1,2-Dichlorobenzene	(ug/kg)	50U	42U	44U	16U
1,2-Dibromo-3-chloropropane	(ug/kg)	R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)	50U	42U	44U	16U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-003 D01922 11/08/2001 1.17 Primary	SD-004 D01923 11/06/2001 0.25 Primary	SD-004 D01924 11/06/2001 0.79 Primary	SD-005 D01926 11/06/2001 0.83 Primary
Starting Depth	(feet)	0.50	0.00	0.50	0.50
Ending Depth	(feet)	1.83	0.50	1.08	1.17
Dichlorodifluoromethane	(ug/kg)	60U	43U	40U	49U
Chloromethane	(ug/kg)	60U	43U	40U	49U
Vinyl chloride	(ug/kg)	60U	43U	40U	49U
Bromomethane	(ug/kg)	60U	43U	40U	49U
Chloroethane	(ug/kg)	60U	43U	40U	49U
Fluorotrichloromethane	(ug/kg)	60U	43U	40U	49U
1,1-Dichloroethene	(ug/kg)	60U	43U	40U	49U
Freon 113	(ug/kg)	60U	43U	40U	49U
Acetone	(ug/kg)	98.5U	69.5U	65.7U	80.6U
Carbon disulfide	(ug/kg)	60U	43U	180UJ	250UJ
Methyl Acetate	(ug/kg)	99J	45J	53.2U	65.3U
Methylene chloride	(ug/kg)	60U	43U	40U	28J
trans-1,2-Dichloroethene	(ug/kg)	60U	43U	40U	49U
Methyl tert-butyl ether	(ug/kg)	60U	43U	40U	49U
1,1-Dichloroethane	(ug/kg)	60U	43U	40U	49U
cis-1,2-Dichloroethene	(ug/kg)	60U	43U	40U	49U
2-Butanone (MEK)	(ug/kg)	60U	43U	40U	49U
Chloroform	(ug/kg)	60U	43U	40U	49U
1,1,1-trichloroethane	(ug/kg)	60U	43U	40U	49U
Cyclohexane	(ug/kg)	60U	43U	40U	49U
Carbon tetrachloride	(ug/kg)	60U	43U	40U	49U
Trichloroethene	(ug/kg)	60U	43U	40U	49U
1,2-Dichloroethane	(ug/kg)	60U	43U	40U	49U
Benzene	(ug/kg)	60U	43U	40U	32J
Methylcyclohexane	(ug/kg)	60U	43U	40U	49U
1,2-Dichloropropane	(ug/kg)	60U	43U	40U	49U
Bromodichloromethane	(ug/kg)	60U	43U	40U	49U
cis-1,3-Dichloropropene	(ug/kg)	60U	43U	40U	49U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-003 D01922 11/08/2001 1.17 Primary	SD-004 D01923 11/06/2001 0.25 Primary	SD-004 D01924 11/06/2001 0.79 Primary	SD-005 D01926 11/06/2001 0.83 Primary
4-Methyl-2-pentanone	(ug/kg)	60U	43U	40U	49U
Toluene	(ug/kg)	60U	43U	22J	38J
Trans-1,3-Dichloropropene	(ug/kg)	60UJ	43UJ	40UJ	49UJ
1,1,2-Trichloroethane	(ug/kg)	60U	43U	40U	49U
Tetrachloroethene	(ug/kg)	60U	43U	40U	49U
2-Hexanone	(ug/kg)	R	R	R	R
Chlorodibromomethane	(ug/kg)	60U	43U	40U	49U
1,2-Dibromoethane (EDB)	(ug/kg)	60U	43U	40U	49U
Chlorobenzene	(ug/kg)	60U	43U	40U	49U
Ethylbenzene	(ug/kg)	60U	43U	40U	49U
Xylenes (total)	(ug/kg)	60U	43U	40U	49U
Styrene	(ug/kg)	60U	43U	40U	49U
Bromoform	(ug/kg)	60U	43U	40U	49U
Isopropylbenzene	(ug/kg)	60U	43U	40U	49U
1,1,2,2-Tetrachloroethane	(ug/kg)	60U	43U	40U	49U
1,3-Dichlorobenzene	(ug/kg)	60U	43U	40U	49U
1,4-Dichlorobenzene	(ug/kg)	60U	43U	40U	49U
1,2-Dichlorobenzene	(ug/kg)	60U	43U	40U	49U
1,2-Dibromo-3-chloropropane	(ug/kg)	R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)	60U	43U	40U	49U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-005	SD-006	SD-006	SD-007
	SAMPLE ID	D01990	D01927	D01928	D01929
	DATE	11/06/2001	11/07/2001	11/07/2001	11/07/2001
	DEPTH (ft)	0.25	0.25	0.75	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.50	0.00
Ending Depth	(feet)	0.50	0.50	1.00	0.50
Dichlorodifluoromethane	(ug/kg)	59U	5.5U	5.6U	9.6U
Chloromethane	(ug/kg)	59U	5.5U	5.6U	9.6U
Vinyl chloride	(ug/kg)	59U	5.5U	5.6U	9.6U
Bromomethane	(ug/kg)	59U	5.5UJ	5.6UJ	9.6UJ
Chloroethane	(ug/kg)	59U	5.5U	5.6U	9.6U
Fluorotrichloromethane	(ug/kg)	59U	5.5U	3.8J	9.6U
1,1-Dichloroethene	(ug/kg)	59U	5.5U	5.6U	9.6U
Freon 113	(ug/kg)	59U	5.5U	5.6U	9.6U
Acetone	(ug/kg)	96.2U	31UJ	28UJ	250JEB
Carbon disulfide	(ug/kg)	59U	16EB	17EB	21JEB
Methyl Acetate	(ug/kg)	200	90	130	740J
Methylene chloride	(ug/kg)	59U	11UJ	10UJ	18UJ
trans-1,2-Dichloroethene	(ug/kg)	59U	5.5U	5.6U	9.6U
Methyl tert-butyl ether	(ug/kg)	59U	5.5U	5.6U	9.6U
1,1-Dichloroethane	(ug/kg)	59U	5.5U	5.6U	9.6U
cis-1,2-Dichloroethene	(ug/kg)	59U	5.5U	5.6U	9.6U
2-Butanone (MEK)	(ug/kg)	59UJ	20JEB	44JEB	150JEB
Chloroform	(ug/kg)	59U	5.5U	5.6U	9.6U
1,1,1-trichloroethane	(ug/kg)	59U	5.5U	5.6U	9.6U
Cyclohexane	(ug/kg)	59U	5.5U	5.6U	9.6U
Carbon tetrachloride	(ug/kg)	59U	5.5U	5.6U	9.6U
Trichloroethene	(ug/kg)	59U	5.5U	5.6U	9.6U
1,2-Dichloroethane	(ug/kg)	59U	5.5U	5.6U	9.6U
Benzene	(ug/kg)	59U	5.5UJ	5.6UJ	9.6UJ
Methylcyclohexane	(ug/kg)	59U	5.5U	5.6U	9.6U
1,2-Dichloropropane	(ug/kg)	59U	5.5U	5.6U	9.6U
Bromodichloromethane	(ug/kg)	59U	5.5U	5.6U	9.6U
cis-1,3-Dichloropropene	(ug/kg)	59U	5.5U	5.6U	9.6U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-005	SD-006	SD-006	SD-007
		SAMPLE ID	D01990	D01927	D01928	D01929
		DATE	11/06/2001	11/07/2001	11/07/2001	11/07/2001
		DEPTH (ft)	0.25	0.25	0.75	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
4-Methyl-2-pentanone	(ug/kg)		59U	5.5U	5.6U	9.6U
Toluene	(ug/kg)		59U	3.8JEB	3.7EB	8.1JEB
Trans-1,3-Dichloropropene	(ug/kg)		59UJ	5.5UJ	5.6UJ	9.6UJ
1,1,2-Trichloroethane	(ug/kg)		59U	5.5U	5.6U	9.6U
Tetrachloroethene	(ug/kg)		59U	5.5U	5.6U	9.6U
2-Hexanone	(ug/kg)		R	R	R	R
Chlorodibromomethane	(ug/kg)		59U	5.5U	5.6U	9.6U
1,2-Dibromoethane (EDB)	(ug/kg)		59U	5.5U	5.6U	9.6U
Chlorobenzene	(ug/kg)		59U	5.5U	5.6U	9.6U
Ethylbenzene	(ug/kg)		59U	5.5U	5.6U	9.6U
Xylenes (total)	(ug/kg)		59U	5.5U	5.6U	9.6U
Styrene	(ug/kg)		59U	5.5U	5.6U	9.6U
Bromoform	(ug/kg)		59U	5.5U	5.6U	9.6U
Isopropylbenzene	(ug/kg)		59U	5.5U	5.6U	9.6U
1,1,2,2-Tetrachloroethane	(ug/kg)		59U	5.5U	5.6U	9.6U
1,3-Dichlorobenzene	(ug/kg)		59U	5.5U	5.6U	9.6U
1,4-Dichlorobenzene	(ug/kg)		59U	5.5U	5.6U	9.6U
1,2-Dichlorobenzene	(ug/kg)		59U	5.5U	5.6U	9.6U
1,2-Dibromo-3-chloropropane	(ug/kg)		R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)		59U	5.5U	5.6U	9.6U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-007 D01930 11/07/2001 1.00 Primary	SD-008 D01931 11/08/2001 0.25 Primary	SD-008 D01932 11/08/2001 1.25 Primary	SD-009 D01933 11/08/2001 0.25 Primary
Starting Depth	(feet)	0.50	0.00	0.50	0.00
Ending Depth	(feet)	1.50	0.50	2.00	0.50
Dichlorodifluoromethane	(ug/kg)	4.6U	R	74U	68U
Chloromethane	(ug/kg)	4.6U	R	74U	68U
Vinyl chloride	(ug/kg)	4.6U	R	74U	68U
Bromomethane	(ug/kg)	4.6UJ	R	74U	68U
Chloroethane	(ug/kg)	4.6U	R	74U	68U
Fluorotrichloromethane	(ug/kg)	4.6U	R	74U	68U
1,1-Dichloroethene	(ug/kg)	4.6U	R	74U	68U
Freon 113	(ug/kg)	4.6U	R	74U	68U
Acetone	(ug/kg)	81JEB	630UJ	160JEB	240JEB
Carbon disulfide	(ug/kg)	15JEB	59UJ	74U	68U
Methyl Acetate	(ug/kg)	130J	1900J	250J	340
Methylene chloride	(ug/kg)	9.4UJ	32UJ	74U	68U
trans-1,2-Dichloroethene	(ug/kg)	4.6U	R	74U	68U
Methyl tert-butyl ether	(ug/kg)	4.6U	R	74U	68U
1,1-Dichloroethane	(ug/kg)	4.6U	R	74U	68U
cis-1,2-Dichloroethene	(ug/kg)	4.6U	R	74U	68U
2-Butanone (MEK)	(ug/kg)	180JEB	520UJ	74UJ	68UJ
Chloroform	(ug/kg)	4.6U	R	74U	68U
1,1,1-trichloroethane	(ug/kg)	4.6U	R	74U	68U
Cyclohexane	(ug/kg)	4.6U	R	74U	68U
Carbon tetrachloride	(ug/kg)	4.6U	R	74U	68U
Trichloroethene	(ug/kg)	4.6U	R	74U	46J
1,2-Dichloroethane	(ug/kg)	4.6U	R	74U	68U
Benzene	(ug/kg)	4.6UJ	R	74U	68U
Methylcyclohexane	(ug/kg)	4.6U	R	74U	68U
1,2-Dichloropropane	(ug/kg)	4.6U	R	74U	68U
Bromodichloromethane	(ug/kg)	4.6U	R	74U	68U
cis-1,3-Dichloropropene	(ug/kg)	4.6U	R	74U	68U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-007	SD-008	SD-008	SD-009
		SAMPLE ID	D01930	D01931	D01932	D01933
		DATE	11/07/2001	11/08/2001	11/08/2001	11/08/2001
		DEPTH (ft)	1.00	0.25	1.25	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
4-Methyl-2-pentanone	(ug/kg)		4.6U	R	74U	68U
Toluene	(ug/kg)		3JEB	R	74U	90J
Trans-1,3-Dichloropropene	(ug/kg)		4.6UJ	R	74UJ	68UJ
1,1,2-Trichloroethane	(ug/kg)		4.6U	R	74U	68U
Tetrachloroethene	(ug/kg)		4.6U	R	74U	68U
2-Hexanone	(ug/kg)		R	R	R	R
Chlorodibromomethane	(ug/kg)		4.6U	R	74U	68U
1,2-Dibromoethane (EDB)	(ug/kg)		4.6U	R	74U	68U
Chlorobenzene	(ug/kg)		4.6U	R	74U	68U
Ethylbenzene	(ug/kg)		4.6U	R	74U	86J
Xylenes (total)	(ug/kg)		4.6U	R	74U	370J
Styrene	(ug/kg)		4.6U	R	74U	68U
Bromoform	(ug/kg)		4.6U	R	74U	68U
Isopropylbenzene	(ug/kg)		4.6U	R	74U	68U
1,1,2,2-Tetrachloroethane	(ug/kg)		4.6U	R	74U	68U
1,3-Dichlorobenzene	(ug/kg)		4.6U	R	74U	68U
1,4-Dichlorobenzene	(ug/kg)		4.6U	R	74U	68U
1,2-Dichlorobenzene	(ug/kg)		4.6U	R	74U	68U
1,2-Dibromo-3-chloropropane	(ug/kg)		R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)		4.6U	R	74U	68U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-009	SD-009	SD-010	SD-011
	SAMPLE ID	D01991	D01934	D01935	D01937
	DATE	11/08/2001	11/08/2001	11/08/2001	11/09/2001
	DEPTH (ft)	0.25	1.17	0.25	0.25
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.00
Ending Depth	(feet)	0.50	1.83	0.50	0.50
Dichlorodifluoromethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Chloromethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Vinyl chloride	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Bromomethane	(ug/kg)	5.6UJ	5.7UJ	5.5UJ	5.1U
Chloroethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Fluorotrichloromethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
1,1-Dichloroethene	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Freon 113	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Acetone	(ug/kg)	110UJ	52UJ	65UJ	110UJ
Carbon disulfide	(ug/kg)	16U	18U	15U	11U
Methyl Acetate	(ug/kg)	210U	160U	200U	3400J
Methylene chloride	(ug/kg)	14UJ	7.4UJ	12UJ	13UJ
trans-1,2-Dichloroethene	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Methyl tert-butyl ether	(ug/kg)	5.6U	5.7U	5.5U	5.1U
1,1-Dichloroethane	(ug/kg)	3.4J	3.1J	5.5U	5.1U
cis-1,2-Dichloroethene	(ug/kg)	5.3J	5.7U	5.5U	5.8
2-Butanone (MEK)	(ug/kg)	100UJ	71UJ	42UJ	37UJ
Chloroform	(ug/kg)	5.6U	5.7U	5.5U	5.1U
1,1,1-trichloroethane	(ug/kg)	5.6U	3J	5.5U	5.1U
Cyclohexane	(ug/kg)	5.6U	3.1J	5.5U	3.8J
Carbon tetrachloride	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Trichloroethene	(ug/kg)	14J	7.7	5.5U	14
1,2-Dichloroethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Benzene	(ug/kg)	11UJ	5.7UJ	5.5UJ	5.2UJ
Methylcyclohexane	(ug/kg)	5.3J	10	5.2J	5.5
1,2-Dichloropropane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Bromodichloromethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
cis-1,3-Dichloropropene	(ug/kg)	5.6U	5.7U	5.5U	5.1U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-009	SD-009	SD-010	SD-011
	SAMPLE ID	D01991	D01934	D01935	D01937
	DATE	11/08/2001	11/08/2001	11/08/2001	11/09/2001
	DEPTH (ft)	0.25	1.17	0.25	0.25
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
4-Methyl-2-pentanone	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Toluene	(ug/kg)	13UJ	12U	5.5U	9.3UJ
Trans-1,3-Dichloropropene	(ug/kg)	5.6UJ	5.7UJ	5.5UJ	5.1UJ
1,1,2-Trichloroethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Tetrachloroethene	(ug/kg)	5.6U	5.7U	5.5U	5.1U
2-Hexanone	(ug/kg)	R	R	R	R
Chlorodibromomethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
1,2-Dibromoethane (EDB)	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Chlorobenzene	(ug/kg)	3.2J	5.7U	5.5U	5.1U
Ethylbenzene	(ug/kg)	16UJ	9.3U	5.5U	5.2U
Xylenes (total)	(ug/kg)	62J	48	6.2	11
Styrene	(ug/kg)	3.4J	5.7U	5.5U	5.1U
Bromoform	(ug/kg)	5.6U	5.7U	5.5U	5.1U
Isopropylbenzene	(ug/kg)	6.3	4.1J	5.5U	5.1U
1,1,2,2-Tetrachloroethane	(ug/kg)	5.6U	5.7U	5.5U	5.1U
1,3-Dichlorobenzene	(ug/kg)	5.6U	5.7U	5.5U	5.1U
1,4-Dichlorobenzene	(ug/kg)	5.6U	5.7U	5.5U	5.1U
1,2-Dichlorobenzene	(ug/kg)	5.6U	5.7U	5.5U	3J
1,2-Dibromo-3-chloropropane	(ug/kg)	R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)	5.6U	5.7U	5.5U	6.1U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-012	SD-013	SD-013	SD-013
		SAMPLE ID	D01939	D01941	D01942	D01992
		DATE	11/09/2001	11/09/2001	11/09/2001	11/09/2001
		DEPTH (ft)	0.25	0.25	1.25	1.25
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Starting Depth	(feet)		0.00	0.00	0.50	0.50
Ending Depth	(feet)		0.50	0.50	2.00	2.00
Dichlorodifluoromethane	(ug/kg)		5.1U	25U	8.4U	8U
Chloromethane	(ug/kg)		5.1U	25U	8.4U	8U
Vinyl chloride	(ug/kg)		5.1U	25U	8.4U	8U
Bromomethane	(ug/kg)		5.1U	25U	8.4U	8U
Chloroethane	(ug/kg)		5.1U	25U	8.4U	8U
Fluorotrichloromethane	(ug/kg)		3J	25U	8.4U	8U
1,1-Dichloroethene	(ug/kg)		5.1U	25U	8.4U	8U
Freon 113	(ug/kg)		5.1U	25U	8.4U	8U
Acetone	(ug/kg)		22UJ	320UJ	190UJ	130UJ
Carbon disulfide	(ug/kg)		19U	65UJ	39UJ	40UJ
Methyl Acetate	(ug/kg)		97U	2500J	620J	580J
Methylene chloride	(ug/kg)		11UJ	58UJ	20UJ	14UJ
trans-1,2-Dichloroethene	(ug/kg)		5.1U	25U	8.4U	8U
Methyl tert-butyl ether	(ug/kg)		5.1U	25U	8.4U	8U
1,1-Dichloroethane	(ug/kg)		5.1U	25U	8.4U	8U
cis-1,2-Dichloroethene	(ug/kg)		5.1U	25U	6.8J	4.4J
2-Butanone (MEK)	(ug/kg)		69UJ	760UJ	260UJ	220UJ
Chloroform	(ug/kg)		5.1U	25U	8.4U	8U
1,1,1-trichloroethane	(ug/kg)		5.1U	25U	8.4U	8U
Cyclohexane	(ug/kg)		5.1U	25U	8.4U	8U
Carbon tetrachloride	(ug/kg)		5.1U	25U	8.4U	8U
Trichloroethene	(ug/kg)		5.1U	25U	8.4U	8U
1,2-Dichloroethane	(ug/kg)		5.1U	25U	8.4U	8U
Benzene	(ug/kg)		5.1UJ	25UJ	9.6UJ	8UJ
Methylcyclohexane	(ug/kg)		5.1U	25U	8.4U	8U
1,2-Dichloropropane	(ug/kg)		5.1U	25U	8.4U	8U
Bromodichloromethane	(ug/kg)		5.1U	25U	8.4U	8U
cis-1,3-Dichloropropene	(ug/kg)		5.1U	25U	8.4U	8U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-012	SD-013	SD-013	SD-013
	SAMPLE ID	D01939	D01941	D01942	D01992
	DATE	11/09/2001	11/09/2001	11/09/2001	11/09/2001
	DEPTH (ft)	0.25	0.25	1.25	1.25
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1
4-Methyl-2-pentanone	(ug/kg)	5.1U	25U	8.4U	8U
Toluene	(ug/kg)	5.1U	86J	100J	42J
Trans-1,3-Dichloropropene	(ug/kg)	5.1UJ	25UJ	8.4UJ	8UJ
1,1,2-Trichloroethane	(ug/kg)	5.1U	25U	8.4U	8U
Tetrachloroethene	(ug/kg)	5.1U	25U	8.4U	8U
2-Hexanone	(ug/kg)	R	R	R	R
Chlorodibromomethane	(ug/kg)	5.1U	25U	8.4U	8U
1,2-Dibromoethane (EDB)	(ug/kg)	5.1U	25U	8.4U	8U
Chlorobenzene	(ug/kg)	5.1U	25U	8.4U	8U
Ethylbenzene	(ug/kg)	5.1U	25U	8.4U	8U
Xylenes (total)	(ug/kg)	2.8J	18J	16J	10J
Styrene	(ug/kg)	5.1U	25U	8.4U	8U
Bromoform	(ug/kg)	5.1U	25U	8.4U	8U
Isopropylbenzene	(ug/kg)	5.1U	25U	8.4U	8U
1,1,2,2-Tetrachloroethane	(ug/kg)	5.1U	25U	8.4U	8U
1,3-Dichlorobenzene	(ug/kg)	5.1U	25U	8.4U	8U
1,4-Dichlorobenzene	(ug/kg)	5.1U	25U	8.4U	8U
1,2-Dichlorobenzene	(ug/kg)	5.1U	25U	8.4U	8U
1,2-Dibromo-3-chloropropane	(ug/kg)	R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)	5.1U	25U	8.4U	8U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-014	SD-014	SD-015	SD-015
		SAMPLE ID	D01943	D01944	D01945	D01946
		DATE	11/09/2001	11/09/2001	11/07/2001	11/07/2001
		DEPTH (ft)	0.25	1.25	0.25	1.08
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.50
Ending Depth	(feet)		0.50	2.00	0.50	1.67
Dichlorodifluoromethane	(ug/kg)		6.2U	6.6U	8.9U	12EB
Chloromethane	(ug/kg)		6.2U	6.6U	8.9U	5U
Vinyl chloride	(ug/kg)		6.2U	6.6U	8.9U	5U
Bromomethane	(ug/kg)		6.2U	6.6U	8.9UJ	5UJ
Chloroethane	(ug/kg)		6.2U	6.6U	8.9U	5U
Fluorotrichloromethane	(ug/kg)		6.2U	6.6U	8.9U	11
1,1-Dichloroethene	(ug/kg)		6.2U	6.6UJ	8.9U	5U
Freon 113	(ug/kg)		6.2U	6.6U	8.9U	4.8J
Acetone	(ug/kg)		83UJ	48UJ	170EB	31UJ
Carbon disulfide	(ug/kg)		22U	20U	27JEB	200UJ
Methyl Acetate	(ug/kg)		650	120UJ	430	59J
Methylene chloride	(ug/kg)		11UJ	14UJ	18UJ	18UJ
trans-1,2-Dichloroethene	(ug/kg)		6.2U	6.6U	8.9U	5U
Methyl tert-butyl ether	(ug/kg)		6.2U	6.6U	8.9U	5U
1,1-Dichloroethane	(ug/kg)		6.2U	6.6U	8.9U	5U
cis-1,2-Dichloroethene	(ug/kg)		6.2U	6.6U	8.9U	5U
2-Butanone (MEK)	(ug/kg)		140UJ	91UJ	74JEB	200JEB
Chloroform	(ug/kg)		6.2U	6.6U	8.9U	5U
1,1,1-trichloroethane	(ug/kg)		6.2U	6.6U	8.9U	5U
Cyclohexane	(ug/kg)		6.2U	6.6U	8.9U	4.2J
Carbon tetrachloride	(ug/kg)		6.2U	6.6U	8.9U	5U
Trichloroethene	(ug/kg)		6.2U	6.6UJ	18J	5U
1,2-Dichloroethane	(ug/kg)		6.2U	6.6U	8.9U	5U
Benzene	(ug/kg)		6.2UJ	6.6UJ	9.9UJ	17UJ
Methylcyclohexane	(ug/kg)		6.2U	6.6U	8.9U	5.8
1,2-Dichloropropane	(ug/kg)		6.2U	6.6U	8.9U	5U
Bromodichloromethane	(ug/kg)		6.2U	6.6U	8.9U	5U
cis-1,3-Dichloropropene	(ug/kg)		6.2U	6.6U	8.9U	5U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-014	SD-014	SD-015	SD-015
	SAMPLE ID	D01943	D01944	D01945	D01946
	DATE	11/09/2001	11/09/2001	11/07/2001	11/07/2001
	DEPTH (ft)	0.25	1.25	0.25	1.08
	RESULT TYPE	Primary	Primary	Primary	Primary
4-Methyl-2-pentanone	(ug/kg)	6.2U	6.6U	8.9U	5U
Toluene	(ug/kg)	12UJ	8.1UJ	21JEB	20EB
Trans-1,3-Dichloropropene	(ug/kg)	6.2UJ	6.6UJ	8.9UJ	5UJ
1,1,2-Trichloroethane	(ug/kg)	6.2U	6.6U	8.9U	5U
Tetrachloroethene	(ug/kg)	6.2U	6.6U	8.9U	5U
2-Hexanone	(ug/kg)	R	R	R	R
Chlorodibromomethane	(ug/kg)	6.2U	6.6U	8.9U	5U
1,2-Dibromoethane (EDB)	(ug/kg)	6.2U	6.6U	8.9U	5U
Chlorobenzene	(ug/kg)	6.2U	6.6UJ	8.9U	5U
Ethylbenzene	(ug/kg)	6.2U	6.6U	8.9U	5U
Xylenes (total)	(ug/kg)	4.1J	4.5J	13J	7.4
Styrene	(ug/kg)	6.2U	6.6U	8.9U	5U
Bromoform	(ug/kg)	6.2U	6.6U	8.9U	5U
Isopropylbenzene	(ug/kg)	6.2U	6.6U	8.9U	5U
1,1,2,2-Tetrachloroethane	(ug/kg)	6.2U	6.6U	8.9U	5U
1,3-Dichlorobenzene	(ug/kg)	6.2U	6.6U	8.9U	5U
1,4-Dichlorobenzene	(ug/kg)	6.2U	6.6U	8.9U	5U
1,2-Dichlorobenzene	(ug/kg)	6.2U	6.6U	8.9U	5U
1,2-Dibromo-3-chloropropane	(ug/kg)	R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)	6.2U	6.6U	8.9U	5U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-016	SD-016	SD-017	SD-017
	SAMPLE ID	D01947	D01948	D01949	D01950
	DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
	DEPTH (ft)	0.25	1.25	0.25	0.88
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	2.00	0.50	1.25
Dichlorodifluoromethane	(ug/kg)	4.9UJ	4.9UJ	6.8UJ	6UJ
Chloromethane	(ug/kg)	4.9UJ	4.9UJ	6.8UJ	6UJ
Vinyl chloride	(ug/kg)	4.9U	4.9U	6.8U	6U
Bromomethane	(ug/kg)	4.9UJ	4.9UJ	6.8UJ	6UJ
Chloroethane	(ug/kg)	4.9U	4.9U	6.8U	6U
Fluorotrichloromethane	(ug/kg)	4.9U	4.9U	6.8U	6U
1,1-Dichloroethene	(ug/kg)	4.9U	4.9U	6.8U	6U
Freon 113	(ug/kg)	4.9U	4.9U	6.8U	6U
Acetone	(ug/kg)	44UJ	48UJ	160UJ	100UJ
Carbon disulfide	(ug/kg)	29U	27UJ	52U	44U
Methyl Acetate	(ug/kg)	120U	97UJ	550U	240U
Methylene chloride	(ug/kg)	12UJ	12UJ	16UJ	12UJ
trans-1,2-Dichloroethene	(ug/kg)	4.9U	4.9U	6.8U	6U
Methyl tert-butyl ether	(ug/kg)	4.9U	4.9U	6.8U	6U
1,1-Dichloroethane	(ug/kg)	4.9U	4.9U	6.8U	6U
cis-1,2-Dichloroethene	(ug/kg)	4.9U	4.9U	6.8U	6U
2-Butanone (MEK)	(ug/kg)	62UJ	48UJ	100UJ	90UJ
Chloroform	(ug/kg)	4.9U	4.9U	6.8U	6U
1,1,1-trichloroethane	(ug/kg)	4.9U	4.9U	6.8U	6U
Cyclohexane	(ug/kg)	4.9U	4.9U	6.8U	6U
Carbon tetrachloride	(ug/kg)	4.9U	4.9U	6.8U	6U
Trichloroethene	(ug/kg)	4.9U	4.9U	6.8U	6U
1,2-Dichloroethane	(ug/kg)	4.9U	4.9U	6.8U	6U
Benzene	(ug/kg)	5.1UJ	5.8UJ	7.5UJ	6UJ
Methylcyclohexane	(ug/kg)	4.9U	4.9U	6.8U	6U
1,2-Dichloropropane	(ug/kg)	4.9U	4.9U	6.8U	6U
Bromodichloromethane	(ug/kg)	4.9U	4.9U	6.8U	6U
cis-1,3-Dichloropropene	(ug/kg)	4.9U	4.9U	6.8U	6U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-016	SD-016	SD-017	SD-017
		SAMPLE ID	D01947	D01948	D01949	D01950
		DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
		DEPTH (ft)	0.25	1.25	0.25	0.88
		RESULT TYPE	Primary	Primary	Primary	Primary
4-Methyl-2-pentanone	(ug/kg)		4.9U	4.9U	6.8U	6U
Toluene	(ug/kg)		4.9U	4.9U	16U	6U
Trans-1,3-Dichloropropene	(ug/kg)		4.9UJ	4.9UJ	6.8UJ	6UJ
1,1,2-Trichloroethane	(ug/kg)		4.9U	4.9U	6.8U	6U
Tetrachloroethene	(ug/kg)		4.9U	4.9U	6.8U	6U
2-Hexanone	(ug/kg)		R	R	R	R
Chlorodibromomethane	(ug/kg)		4.9U	4.9U	6.8U	6U
1,2-Dibromoethane (EDB)	(ug/kg)		4.9U	4.9U	6.8U	6U
Chlorobenzene	(ug/kg)		4.9U	4.9U	6.8U	6U
Ethylbenzene	(ug/kg)		4.9U	4.9U	6.8U	6U
Xylenes (total)	(ug/kg)		2.9J	4.9U	22	3.2J
Styrene	(ug/kg)		4.9U	4.9U	6.8U	6U
Bromoform	(ug/kg)		4.9UJ	4.9UJ	6.8UJ	6UJ
Isopropylbenzene	(ug/kg)		4.9U	4.9U	6.8U	6U
1,1,2,2-Tetrachloroethane	(ug/kg)		4.9U	4.9U	6.8U	6U
1,3-Dichlorobenzene	(ug/kg)		4.9U	4.9U	6.8U	6U
1,4-Dichlorobenzene	(ug/kg)		4.9U	4.9U	6.8U	6U
1,2-Dichlorobenzene	(ug/kg)		4.9U	4.9U	6.8U	6U
1,2-Dibromo-3-chloropropane	(ug/kg)		R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)		4.9U	4.9U	6.8U	6U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-018	SD-018	SD-019	SD-019
		SAMPLE ID	D01951	D01952	D01953	D01954
		DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
		DEPTH (ft)	0.25	1.25	0.25	1.00
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.50
Ending Depth	(feet)		0.50	2.00	0.50	1.50
Dichlorodifluoromethane	(ug/kg)		11UJ	5.1UJ	5.7UJ	4.5UJ
Chloromethane	(ug/kg)		11UJ	5.1UJ	5.7UJ	4.5UJ
Vinyl chloride	(ug/kg)		47	650	5.7U	4.5U
Bromomethane	(ug/kg)		11UJ	5.1UJ	5.7UJ	4.5UJ
Chloroethane	(ug/kg)		11U	5.1U	5.7U	4.5U
Fluorotrichloromethane	(ug/kg)		11U	5.1U	5.7U	4.5U
1,1-Dichloroethene	(ug/kg)		11U	91	5.7U	4.5U
Freon 113	(ug/kg)		11U	5.1U	5.7U	4.5U
Acetone	(ug/kg)		190UJ	120UJ	72.3UJ	28UJ
Carbon disulfide	(ug/kg)		71U	37U	29U	27U
Methyl Acetate	(ug/kg)		1400	120U	200U	58U
Methylene chloride	(ug/kg)		23UJ	7.7UJ	7.9UJ	5.6UJ
trans-1,2-Dichloroethene	(ug/kg)		46	700	5.7U	4.5U
Methyl tert-butyl ether	(ug/kg)		11U	5.1U	5.7U	4.5U
1,1-Dichloroethane	(ug/kg)		11U	34	5.7U	4.5U
cis-1,2-Dichloroethene	(ug/kg)		230	26000J	5.7U	4.5U
2-Butanone (MEK)	(ug/kg)		190UJ	77UJ	5.7UJ	28UJ
Chloroform	(ug/kg)		11U	5.1U	5.7U	4.5U
1,1,1-trichloroethane	(ug/kg)		11U	5.7	8.4	4.5U
Cyclohexane	(ug/kg)		11U	5.1U	5.7U	4.5U
Carbon tetrachloride	(ug/kg)		11U	5.1U	5.7U	4.5U
Trichloroethene	(ug/kg)		150	28000J	5.6UJ	4.5U
1,2-Dichloroethane	(ug/kg)		11U	5.1U	5.7U	4.5U
Benzene	(ug/kg)		11UJ	14UJ	5.7UJ	4.5UJ
Methylcyclohexane	(ug/kg)		11U	5.1U	5.7U	4.5U
1,2-Dichloropropane	(ug/kg)		11U	5.1U	5.7U	4.5U
Bromodichloromethane	(ug/kg)		11U	140	5.7U	4.5U
cis-1,3-Dichloropropene	(ug/kg)		11U	5.1U	5.7U	4.5U

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-018 D01951 11/12/2001 0.25 Primary	SD-018 D01952 11/12/2001 1.25 Primary	SD-019 D01953 11/12/2001 0.25 Primary	SD-019 D01954 11/12/2001 1.00 Primary
4-Methyl-2-pentanone	(ug/kg)	11U	5.1U	5.7U	4.5U
Toluene	(ug/kg)	39	27EB	5.7U	4.5U
Trans-1,3-Dichloropropene	(ug/kg)	11UJ	5.1UJ	5.7UJ	4.5UJ
1,1,2-Trichloroethane	(ug/kg)	11U	5.1U	5.7U	4.5U
Tetrachloroethene	(ug/kg)	11U	66	5.7U	4.5U
2-Hexanone	(ug/kg)	R	R	R	R
Chlorodibromomethane	(ug/kg)	11U	5.1U	5.7U	4.5U
1,2-Dibromoethane (EDB)	(ug/kg)	11U	5.1U	5.7U	4.5U
Chlorobenzene	(ug/kg)	11U	3.2J	5.7U	4.5U
Ethylbenzene	(ug/kg)	11U	76	5.7U	4.5U
Xylenes (total)	(ug/kg)	21	230EB	5.7U	4.5U
Styrene	(ug/kg)	8.8J	3.4J	5.7U	4.5U
Bromoform	(ug/kg)	11UJ	5.1UJ	5.7UJ	4.5UJ
Isopropylbenzene	(ug/kg)	11U	15	5.7U	4.5U
1,1,2,2-Tetrachloroethane	(ug/kg)	11U	5.1U	5.7U	4.5U
1,3-Dichlorobenzene	(ug/kg)	11U	7.6	5.7U	4.5U
1,4-Dichlorobenzene	(ug/kg)	8.8J	39	5.7U	4.5U
1,2-Dichlorobenzene	(ug/kg)	11U	21	5.7U	3.4J
1,2-Dibromo-3-chloropropane	(ug/kg)	R	R	R	R
1,2,4-Trichlorobenzene	(ug/kg)	11U	26	19	59

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SOIL#1	SOIL#2	SOIL#3	SOIL#4
	SAMPLE ID	Soil #1	Soil #2	Soil #3	Soil #4
	DATE	12/31/1989	12/31/1989	12/31/1989	12/31/1989
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Dichlorodifluoromethane	(ug/kg)				
Chloromethane	(ug/kg)				
Vinyl chloride	(ug/kg)				
Bromomethane	(ug/kg)				
Chloroethane	(ug/kg)				
Fluorotrichloromethane	(ug/kg)				
1,1-Dichloroethene	(ug/kg)				
Freon 113	(ug/kg)				
Acetone	(ug/kg)				
Carbon disulfide	(ug/kg)				
Methyl Acetate	(ug/kg)				
Methylene chloride	(ug/kg)				
trans-1,2-Dichloroethene	(ug/kg)				
Methyl tert-butyl ether	(ug/kg)				
1,1-Dichloroethane	(ug/kg)				
cis-1,2-Dichloroethene	(ug/kg)				
2-Butanone (MEK)	(ug/kg)				
Chloroform	(ug/kg)				
1,1,1-trichloroethane	(ug/kg)				
Cyclohexane	(ug/kg)				
Carbon tetrachloride	(ug/kg)				
Trichloroethene	(ug/kg)				
1,2-Dichloroethane	(ug/kg)				
Benzene	(ug/kg)	20U	20U	20U	20U
Methylcyclohexane	(ug/kg)				
1,2-Dichloropropane	(ug/kg)				
Bromodichloromethane	(ug/kg)				
cis-1,3-Dichloropropene	(ug/kg)				

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SOIL#1 Soil #1 12/31/1989 0.50 Primary	SOIL#2 Soil #2 12/31/1989 0.50 Primary	SOIL#3 Soil #3 12/31/1989 0.50 Primary	SOIL#4 Soil #4 12/31/1989 0.50 Primary
4-Methyl-2-pentanone	(ug/kg)				
Toluene	(ug/kg)	20U	43	85.8	40.4
Trans-1,3-Dichloropropene	(ug/kg)				
1,1,2-Trichloroethane	(ug/kg)				
Tetrachloroethene	(ug/kg)				
2-Hexanone	(ug/kg)				
Chlorodibromomethane	(ug/kg)				
1,2-Dibromoethane (EDB)	(ug/kg)				
Chlorobenzene	(ug/kg)				
Ethylbenzene	(ug/kg)				
Xylenes (total)	(ug/kg)	30U	30U	30U	30U
Styrene	(ug/kg)				
Bromoform	(ug/kg)				
Isopropylbenzene	(ug/kg)				
1,1,2,2-Tetrachloroethane	(ug/kg)				
1,3-Dichlorobenzene	(ug/kg)				
1,4-Dichlorobenzene	(ug/kg)				
1,2-Dichlorobenzene	(ug/kg)				
1,2-Dibromo-3-chloropropane	(ug/kg)				
1,2,4-Trichlorobenzene	(ug/kg)				

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SOIL#5 Soil #5 12/31/1989 0.50 Primary	SOIL#6 Soil #6 12/31/1989 0.50 Primary	SOIL#7 Soil #7 12/31/1989 0.50 Primary	SOIL#8 Soil #8 12/31/1989 0.50 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Dichlorodifluoromethane	(ug/kg)				
Chloromethane	(ug/kg)				
Vinyl chloride	(ug/kg)				
Bromomethane	(ug/kg)				
Chloroethane	(ug/kg)				
Fluorotrichloromethane	(ug/kg)				
1,1-Dichloroethene	(ug/kg)				
Freon 113	(ug/kg)				
Acetone	(ug/kg)				
Carbon disulfide	(ug/kg)				
Methyl Acetate	(ug/kg)				
Methylene chloride	(ug/kg)				
trans-1,2-Dichloroethene	(ug/kg)				
Methyl tert-butyl ether	(ug/kg)				
1,1-Dichloroethane	(ug/kg)				
cis-1,2-Dichloroethene	(ug/kg)				
2-Butanone (MEK)	(ug/kg)				
Chloroform	(ug/kg)				
1,1,1-trichloroethane	(ug/kg)				
Cyclohexane	(ug/kg)				
Carbon tetrachloride	(ug/kg)				
Trichloroethene	(ug/kg)				
1,2-Dichloroethane	(ug/kg)				
Benzene	(ug/kg)	20U	20U	20U	20U
Methylcyclohexane	(ug/kg)				
1,2-Dichloropropane	(ug/kg)				
Bromodichloromethane	(ug/kg)				
cis-1,3-Dichloropropene	(ug/kg)				

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SOIL#5	SOIL#6	SOIL#7	SOIL#8
	SAMPLE ID	Soil #5	Soil #6	Soil #7	Soil #8
	DATE	12/31/1989	12/31/1989	12/31/1989	12/31/1989
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
4-Methyl-2-pentanone	(ug/kg)				
Toluene	(ug/kg)	20U	37.8	25.2	20U
Trans-1,3-Dichloropropene	(ug/kg)				
1,1,2-Trichloroethane	(ug/kg)				
Tetrachloroethene	(ug/kg)				
2-Hexanone	(ug/kg)				
Chlorodibromomethane	(ug/kg)				
1,2-Dibromoethane (EDB)	(ug/kg)				
Chlorobenzene	(ug/kg)				
Ethylbenzene	(ug/kg)				
Xylenes (total)	(ug/kg)	30U	30U	30U	30U
Styrene	(ug/kg)				
Bromoform	(ug/kg)				
Isopropylbenzene	(ug/kg)				
1,1,2,2-Tetrachloroethane	(ug/kg)				
1,3-Dichlorobenzene	(ug/kg)				
1,4-Dichlorobenzene	(ug/kg)				
1,2-Dichlorobenzene	(ug/kg)				
1,2-Dibromo-3-chloropropane	(ug/kg)				
1,2,4-Trichlorobenzene	(ug/kg)				

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SOIL#9 Soil #9 12/31/1989 0.50 Primary
Starting Depth	(feet)	0.00
Ending Depth	(feet)	1.00
Dichlorodifluoromethane	(ug/kg)	
Chloromethane	(ug/kg)	
Vinyl chloride	(ug/kg)	
Bromomethane	(ug/kg)	
Chloroethane	(ug/kg)	
Fluorotrichloromethane	(ug/kg)	
1,1-Dichloroethene	(ug/kg)	
Freon 113	(ug/kg)	
Acetone	(ug/kg)	
Carbon disulfide	(ug/kg)	
Methyl Acetate	(ug/kg)	
Methylene chloride	(ug/kg)	
trans-1,2-Dichloroethene	(ug/kg)	
Methyl tert-butyl ether	(ug/kg)	
1,1-Dichloroethane	(ug/kg)	
cis-1,2-Dichloroethene	(ug/kg)	
2-Butanone (MEK)	(ug/kg)	
Chloroform	(ug/kg)	
1,1,1-trichloroethane	(ug/kg)	
Cyclohexane	(ug/kg)	
Carbon tetrachloride	(ug/kg)	
Trichloroethene	(ug/kg)	
1,2-Dichloroethane	(ug/kg)	
Benzene	(ug/kg)	20U
Methylcyclohexane	(ug/kg)	
1,2-Dichloropropane	(ug/kg)	
Bromodichloromethane	(ug/kg)	
cis-1,3-Dichloropropene	(ug/kg)	

Sediment VOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SOIL#9 Soil #9 12/31/1989 0.50 Primary
4-Methyl-2-pentanone	(ug/kg)		
Toluene	(ug/kg)		20U
Trans-1,3-Dichloropropene	(ug/kg)		
1,1,2-Trichloroethane	(ug/kg)		
Tetrachloroethene	(ug/kg)		
2-Hexanone	(ug/kg)		
Chlorodibromomethane	(ug/kg)		
1,2-Dibromoethane (EDB)	(ug/kg)		
Chlorobenzene	(ug/kg)		
Ethylbenzene	(ug/kg)		
Xylenes (total)	(ug/kg)		30U
Styrene	(ug/kg)		
Bromoform	(ug/kg)		
Isopropylbenzene	(ug/kg)		
1,1,2,2-Tetrachloroethane	(ug/kg)		
1,3-Dichlorobenzene	(ug/kg)		
1,4-Dichlorobenzene	(ug/kg)		
1,2-Dichlorobenzene	(ug/kg)		
1,2-Dibromo-3-chloropropane	(ug/kg)		
1,2,4-Trichlorobenzene	(ug/kg)		

Appendix W
Sediment SVOC Results

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	FPS	HA-001	HA-001	HA-002
	SAMPLE ID		HA-1A	HA-1B	HA-2A
	DATE	10/16/1998	03/23/1999	03/23/1999	03/23/1999
	DEPTH (ft)	0.13	0.75	1.75	1.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	1.50	1.00
Ending Depth	(feet)	0.25	1.00	2.00	1.50
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	740U	400U	340U	530U
2-Chlorophenol	(ug/kg)	740U	400U	340U	530U
Bis(2-chloroethyl)ether	(ug/kg)	740U			
2-Methylphenol	(ug/kg)	740U	400U	340U	530U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	740U			
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	740U	400U	340U	530U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)	740U			
Hexachloroethane	(ug/kg)	740U			
Nitrobenzene	(ug/kg)	740U			
Isophorone	(ug/kg)	740U			
2-Nitrophenol	(ug/kg)	740U	400U	340U	530U
2,4-Dimethylphenol	(ug/kg)	740U	400U	340U	530U
Bis(2-chloroethoxy)methane	(ug/kg)	740U			
2,4-Dichlorophenol	(ug/kg)	740U	400U	340U	530U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	740U	400U	340U	530U
4-Chloroaniline	(ug/kg)	740U			
Hexachlorobutadiene	(ug/kg)	740U			
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	740U	400U	340U	530U
2-Methylnaphthalene	(ug/kg)	740U	400U	250U	530U
Hexachlorocyclopentadiene	(ug/kg)	740U			
2,4,6-Trichlorophenol	(ug/kg)	740U	400U	340U	530U
2,4,5-Trichlorophenol	(ug/kg)	1900U	400U	340U	530U
Biphenyl	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FPS 10/16/1998 0.13 Primary	HA-001 HA-1A 03/23/1999 0.75 Primary	HA-001 HA-1B 03/23/1999 1.75 Primary	HA-002 HA-2A 03/23/1999 1.25 Primary
2-Chloronaphthalene	(ug/kg)	740U			
2-Nitroaniline	(ug/kg)	1900U			
Dimethylphthalate	(ug/kg)	740U			
2,6-Dinitrotoluene	(ug/kg)	740U			
Acenaphthylene	(ug/kg)	390	400U	250U	530U
3-Nitroaniline	(ug/kg)	1900U			
Acenaphthene	(ug/kg)	740U	400U	250U	530U
2,4-Dinitrophenol	(ug/kg)	1900U	400U	340U	530U
4-Nitrophenol	(ug/kg)	1900U	400U	340U	530U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)	740U			
2,4-Dinitrotoluene	(ug/kg)	740U			
Diethylphthalate	(ug/kg)	740U			
Fluorene	(ug/kg)	740U	400U	250U	530U
4-chlorophenyl-phenylether	(ug/kg)	740U			
4-Nitroaniline	(ug/kg)	1900U			
4,6-Dinitro-2-methylphenol	(ug/kg)	1900U	400U	340U	530U
N-Nitrosodiphenylamine	(ug/kg)	740U			
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)	740U			
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	1900U	400U	340U	530U
Phenanthrene	(ug/kg)	1100	1100	250U	530U
Anthracene	(ug/kg)	280	400U	250U	530U
Carbazole	(ug/kg)	49			
Di-n-butylphthalate	(ug/kg)	740U			
Fluoranthene	(ug/kg)	2600	1100	250U	530U
Pyrene	(ug/kg)	4300	1000	250U	530U
Butylbenzylphthalate	(ug/kg)	740U			
3,3'-Dichlorobenzidine	(ug/kg)	740U			

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	FPS	HA-001	HA-001	HA-002
	SAMPLE ID		HA-1A	HA-1B	HA-2A
	DATE	10/16/1998	03/23/1999	03/23/1999	03/23/1999
	DEPTH (ft)	0.13	0.75	1.75	1.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	1100	760	250U	530U
Chrysene	(ug/kg)	2200	760	250U	530U
bis(2-Ethylhexyl) phthalate	(ug/kg)	740U			
Di-n-octylphthalate	(ug/kg)	740U			
Benzo(b)fluoranthene	(ug/kg)	930	870	250U	530U
Benzo(k)fluoranthene	(ug/kg)	1300	400U	250U	530U
Benzo(a)pyrene	(ug/kg)	1400	500	250U	530U
Indeno(1,2,3-cd)pyrene	(ug/kg)	870	400	250U	530U
Dibenz(a,h) anthracene	(ug/kg)	200	400U	250U	530U
Benzo(g,h,i)perylene	(ug/kg)	850	430	250U	530U

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HA-002 HA-2B 03/23/1999 2.25 Primary	HA-003 HA-3A 03/23/1999 0.75 Primary	HA-003 HA-3B 03/23/1999 1.75 Primary	HA-004 HA-4A 03/23/1999 0.75 Primary
Starting Depth	(feet)	2.00	0.50	1.50	0.50
Ending Depth	(feet)	2.50	1.00	2.00	1.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	290U	590U	300U	980U
2-Chlorophenol	(ug/kg)	290U	590U	300U	980U
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)	290U	590U	300U	980U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	290U	590U	300U	980U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)	290U	590U	300U	980U
2,4-Dimethylphenol	(ug/kg)	290U	590U	300U	980U
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	290U	590U	300U	980U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	290U	590U	300U	970U
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	290U	590U	300U	980U
2-Methylnaphthalene	(ug/kg)	290U	590U	300U	970U
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)	290U	590U	300U	980U
2,4,5-Trichlorophenol	(ug/kg)	290U	590U	300U	980U
Biphenyl	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HA-002 HA-2B 03/23/1999 2.25 Primary	HA-003 HA-3A 03/23/1999 0.75 Primary	HA-003 HA-3B 03/23/1999 1.75 Primary	HA-004 HA-4A 03/23/1999 0.75 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)	290U	590U	300U	970U
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)	290U	590U	300U	970U
2,4-Dinitrophenol	(ug/kg)	290U	590U	300U	980U
4-Nitrophenol	(ug/kg)	290U	590U	300U	980U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)	290U	590U	300U	970U
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)	290U	590U	300U	980U
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	290U	590U	1300	9500
Phenanthrene	(ug/kg)	290U	590U	300U	970U
Anthracene	(ug/kg)	290U	590U	300U	970U
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)	290U	590U	300U	970U
Pyrene	(ug/kg)	290U	590U	300U	970U
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	HA-002 HA-2B 03/23/1999 2.25 Primary	HA-003 HA-3A 03/23/1999 0.75 Primary	HA-003 HA-3B 03/23/1999 1.75 Primary	HA-004 HA-4A 03/23/1999 0.75 Primary
Benzo(a)anthracene	(ug/kg)	290U	590U	300U	970U
Chrysene	(ug/kg)	290U	590U	300U	970U
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)	290U	590U	300U	970U
Benzo(k)fluoranthene	(ug/kg)	290U	590U	300U	970U
Benzo(a)pyrene	(ug/kg)	290U	590U	300U	970U
Indeno(1,2,3-cd)pyrene	(ug/kg)	290U	590U	300U	970U
Dibenz(a,h) anthracene	(ug/kg)	290U	590U	300U	970U
Benzo(g,h,i)perylene	(ug/kg)	290U	590U	300U	970U

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HA-004	HA-005	RRHP03	RRUS-S
	SAMPLE ID	HA-4B	HA-5A	RRHP03-S	
	DATE	03/23/1999	03/23/1999	10/16/1998	10/16/1998
	DEPTH (ft)	1.75	1.75	0.12	0.13
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	1.50	1.50	0.00	0.00
Ending Depth	(feet)	2.00	2.00	0.25	0.25
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)	400U	440U	8300U	2200U
2-Chlorophenol	(ug/kg)	400U	440U	8300U	2200U
Bis(2-chloroethyl)ether	(ug/kg)			8300U	2200U
2-Methylphenol	(ug/kg)	400U	440U	8300U	2200U
2,2'-Oxybis(1-Chloropropane)	(ug/kg)			8300U	2200U
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)	400U	440U	8300U	2200U
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)			8300U	2200U
Hexachloroethane	(ug/kg)			8300U	2200U
Nitrobenzene	(ug/kg)			8300U	2200U
Isophorone	(ug/kg)			8300U	2200U
2-Nitrophenol	(ug/kg)	400U	440U	8300U	2200U
2,4-Dimethylphenol	(ug/kg)	400U	440U	8300U	2200U
Bis(2-chloroethoxy)methane	(ug/kg)			8300U	2200U
2,4-Dichlorophenol	(ug/kg)	400U	440U	8300U	2200U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)	390U	440U	8300U	2200U
4-Chloroaniline	(ug/kg)			8300U	2200U
Hexachlorobutadiene	(ug/kg)			8300U	2200U
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)	400U	440U	8300U	2200U
2-Methylnaphthalene	(ug/kg)	390U	440U	8300U	2200U
Hexachlorocyclopentadiene	(ug/kg)			8300U	2200U
2,4,6-Trichlorophenol	(ug/kg)	400U	440U	8300U	2200U
2,4,5-Trichlorophenol	(ug/kg)	400U	440U	21000U	5500U
Biphenyl	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HA-004	HA-005	RRHP03	RRUS-S
	SAMPLE ID	HA-4B	HA-5A	RRHP03-S	
	DATE	03/23/1999	03/23/1999	10/16/1998	10/16/1998
	DEPTH (ft)	1.75	1.75	0.12	0.13
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)			8300U	2200U
2-Nitroaniline	(ug/kg)			21000U	5500U
Dimethylphthalate	(ug/kg)			8300U	2200U
2,6-Dinitrotoluene	(ug/kg)			8300U	2200U
Acenaphthylene	(ug/kg)	390U	440U	8300U	800
3-Nitroaniline	(ug/kg)			21000U	2200U
Acenaphthene	(ug/kg)	390U	440U	8300U	270
2,4-Dinitrophenol	(ug/kg)	400U	440U	21000U	5500U
4-Nitrophenol	(ug/kg)	400U	440U	21000U	5500U
2,3,5,6-Tetrachlorophenol	(ug/kg)				
Dibenzofuran	(ug/kg)			8300U	130
2,4-Dinitrololuene	(ug/kg)			8300U	2200U
Diethylphthalate	(ug/kg)			8300U	2200U
Fluorene	(ug/kg)	390U	440U	8300U	890
4-chlorophenyl-phenylether	(ug/kg)			8300U	2200U
4-Nitroaniline	(ug/kg)			21000U	5500U
4,6-Dinitro-2-methylphenol	(ug/kg)	400U	440U	21000U	5500U
N-Nitrosodiphenylamine	(ug/kg)			8300U	2200U
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)			8300U	2200U
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	1300	440U	51000	5500U
Phenanthrene	(ug/kg)	390U	440U	710	7000
Anthracene	(ug/kg)	390U	440U	680	1500
Carbazole	(ug/kg)			8300U	140
Di-n-butylphthalate	(ug/kg)			8300U	2200U
Fluoranthene	(ug/kg)	390U	440U	8300U	4900
Pyrene	(ug/kg)	390U	440U	8300U	11000
Butylbenzylphthalate	(ug/kg)			8300U	2200U
3,3'-Dichlorobenzidine	(ug/kg)			8300U	2200U

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	HA-004	HA-005	RRHP03	RRUS-S
	SAMPLE ID	HA-4B	HA-5A	RRHP03-S	
	DATE	03/23/1999	03/23/1999	10/16/1998	10/16/1998
	DEPTH (ft)	1.75	1.75	0.12	0.13
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	390U	440U	8300U	2700
Chrysene	(ug/kg)	390U	440U	8300U	6000
bis(2-Ethylhexyl) phthalate	(ug/kg)			8300U	2200U
Di-n-octylphthalate	(ug/kg)			8300U	2200U
Benzo(b)fluoranthene	(ug/kg)	390U	440U	8300U	1300
Benzo(k)fluoranthene	(ug/kg)	390U	440U	8300U	2200
Benzo(a)pyrene	(ug/kg)	390U	440U	8300U	2400
Indeno(1,2,3-cd)pyrene	(ug/kg)	390U	440U	8300U	1200
Dibenz(a,h) anthracene	(ug/kg)	390U	440U	8300U	2200U
Benzo(g,h,i)perylene	(ug/kg)	390U	440U	8300U	1100

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RRUS-S	SD-001	SD-001	SD-002
	SAMPLE ID	RRUS-2S	D01917	D01918	D01919
	DATE	10/16/1998	11/05/2001	11/05/2001	11/05/2001
	DEPTH (ft)	0.13	0.25	0.75	0.13
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.50	0.00
Ending Depth	(feet)	0.25	0.50	1.00	0.25
Benzaldehyde	(ug/kg)		13J	63UJ	10J
Phenol	(ug/kg)	630U	6.1UJ	63U	6.1UJ
2-Chlorophenol	(ug/kg)	630U	64U	63U	65U
Bis(2-chloroethyl)ether	(ug/kg)	630U	64U	63U	65U
2-Methylphenol	(ug/kg)	630U	6.5UJ	63U	6.5UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	630U	64U	63U	65U
Acetophenone	(ug/kg)		64U	63U	65U
4-Methylphenol	(ug/kg)	360	R	R	R
2,6-Dimethylphenol	(ug/kg)		64UJ	63UJ	65UJ
N-Nitrosodi-n-propylamine	(ug/kg)	630U	64U	63U	65U
Hexachloroethane	(ug/kg)	630U	64U	63U	65U
Nitrobenzene	(ug/kg)	630U	64U	63U	65U
Isophorone	(ug/kg)	630U	64U	63U	65U
2-Nitrophenol	(ug/kg)	630U	64U	63U	65U
2,4-Dimethylphenol	(ug/kg)	630U	64UJ	63UJ	65UJ
Bis(2-chloroethoxy)methane	(ug/kg)	630U	64U	63U	65U
2,4-Dichlorophenol	(ug/kg)	630U	64U	63U	65U
3,4-Dimethylphenol	(ug/kg)		64UJ	63UJ	65UJ
Naphthalene	(ug/kg)	49	15J	22J	10J
4-Chloroaniline	(ug/kg)	630U	330UJ	330UJ	330UJ
Hexachlorobutadiene	(ug/kg)	630U	64U	63U	65U
Caprolactam	(ug/kg)		64U	63U	65U
4-Chloro-3-methylphenol	(ug/kg)	630U	64U	63U	65U
2-Methylnaphthalene	(ug/kg)	69	13J	10J	12J
Hexachlorocyclopentadiene	(ug/kg)	630U	R	R	R
2,4,6-Trichlorophenol	(ug/kg)	630U	64U	63U	65U
2,4,5-Trichlorophenol	(ug/kg)	1600U	64U	63U	65U
Biphenyl	(ug/kg)		64U	63U	65U

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RRUS-S	SD-001	SD-001	SD-002
	SAMPLE ID	RRUS-2S	D01917	D01918	D01919
	DATE	10/16/1998	11/05/2001	11/05/2001	11/05/2001
	DEPTH (ft)	0.13	0.25	0.75	0.13
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)	630U	64U	63U	65U
2-Nitroaniline	(ug/kg)	1600U	830U	830U	830U
Dimethylphthalate	(ug/kg)	630U	64U	63U	65U
2,6-Dinitrotoluene	(ug/kg)	630U	64U	63U	65U
Acenaphthylene	(ug/kg)	570	14J	32	10J
3-Nitroaniline	(ug/kg)	1600U	830U	830U	830U
Acenaphthene	(ug/kg)	200	22J	27J	24J
2,4-Dinitrophenol	(ug/kg)	1600U	64U	63U	65U
4-Nitrophenol	(ug/kg)	1600U	830U	830U	830U
2,3,5,6-Tetrachlorophenol	(ug/kg)		64UJ	63UJ	65UJ
Dibenzofuran	(ug/kg)	150	20J	29J	13J
2,4-Dinitrotoluene	(ug/kg)	630U	64U	63U	65U
Diethylphthalate	(ug/kg)	630U	64U	63U	65U
Fluorene	(ug/kg)	430	36	49	33
4-chlorophenyl-phenylether	(ug/kg)	630U	64U	63U	65U
4-Nitroaniline	(ug/kg)	1600U	830U	830U	830U
4,6-Dinitro-2-methylphenol	(ug/kg)	1600U	830U	830U	830U
N-Nitrosodiphenylamine	(ug/kg)	630U	64U	63U	65U
4-Bromophenyl phenylether	(ug/kg)		64U	63U	65U
Hexachlorobenzene	(ug/kg)	630U	64U	63U	65U
Atrazine	(ug/kg)		64U	63U	65U
Pentachlorophenol	(ug/kg)	1600U	830U	830U	830U
Phenanthrene	(ug/kg)	2600	480	510	400
Anthracene	(ug/kg)	420	56	76	33
Carbazole	(ug/kg)	140	52J	46J	42J
Di-n-butylphthalate	(ug/kg)	360U	110U	63U	65U
Fluoranthene	(ug/kg)	2400	820	770	810
Pyrene	(ug/kg)	6600	610	690	720
Butylbenzylphthalate	(ug/kg)	630U	64UJ	63U	65UJ
3,3'-Dichlorobenzidine	(ug/kg)	630U	330U	330U	330U

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RRUS-S	SD-001	SD-001	SD-002
	SAMPLE ID	RRUS-2S	D01917	D01918	D01919
	DATE	10/16/1998	11/05/2001	11/05/2001	11/05/2001
	DEPTH (ft)	0.13	0.25	0.75	0.13
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	1400	370	380	380
Chrysene	(ug/kg)	4000	260	330	340
bis(2-Ethylhexyl) phthalate	(ug/kg)	630U	330UJ	330U	440J
Di-n-octylphthalate	(ug/kg)	630U	64UJ	63U	65UJ
Benzo(b)fluoranthene	(ug/kg)	1600	450	500	380
Benzo(k)fluoranthene	(ug/kg)	1700	270	280	240
Benzo(a)pyrene	(ug/kg)	1600	270	340	240
Indeno(1,2,3-cd)pyrene	(ug/kg)	1200	180	170	140
Dibenz(a,h) anthracene	(ug/kg)	630U	50	37	38
Benzo(g,h,i)perylene	(ug/kg)	630U	120	130	120

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-003	SD-003	SD-004	SD-004
	SAMPLE ID	D01921	D01922	D01923	D01924
	DATE	11/08/2001	11/08/2001	11/06/2001	11/06/2001
	DEPTH (ft)	0.25	1.17	0.25	0.79
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	1.83	0.50	1.08
Benzaldehyde	(ug/kg)	1900UJ	16J	62UJ	65UJ
Phenol	(ug/kg)	1900UJ	6.1UJ	6.1UJ	6.1UJ
2-Chlorophenol	(ug/kg)	1900UJ	63UJ	62U	65U
Bis(2-chloroethyl)ether	(ug/kg)	1900UJ	63UJ	62U	65U
2-Methylphenol	(ug/kg)	1900UJ	6.5UJ	6.5UJ	6.5UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	1900UJ	63UJ	62U	65U
Acetophenone	(ug/kg)	1900UJ	63UJ	62U	65U
4-Methylphenol	(ug/kg)	1900UJ	R	R	R
2,6-Dimethylphenol	(ug/kg)	1900UJ	63UJ	62UJ	65UJ
N-Nitrosodi-n-propylamine	(ug/kg)	1900UJ	63UJ	62U	65U
Hexachloroethane	(ug/kg)	1900UJ	63UJ	62U	65U
Nitrobenzene	(ug/kg)	1900UJ	63UJ	62U	65U
Isophorone	(ug/kg)	1900UJ	63UJ	62U	65U
2-Nitrophenol	(ug/kg)	1900UJ	63UJ	62U	65U
2,4-Dimethylphenol	(ug/kg)	1900UJ	63UJ	62UJ	65UJ
Bis(2-chloroethoxy)methane	(ug/kg)	1900UJ	63UJ	62U	65U
2,4-Dichlorophenol	(ug/kg)	1900UJ	63UJ	62U	65U
3,4-Dimethylphenol	(ug/kg)	1900UJ	63UJ	62UJ	65UJ
Naphthalene	(ug/kg)	940J	14J	62U	65U
4-Chloroaniline	(ug/kg)	R	330UJ	330UJ	330UJ
Hexachlorobutadiene	(ug/kg)	1900UJ	63UJ	62U	65U
Caprolactam	(ug/kg)	1900UJ	63UJ	62U	65U
4-Chloro-3-methylphenol	(ug/kg)	1900UJ	63UJ	62U	65U
2-Methylnaphthalene	(ug/kg)	470J	63UJ	62U	65U
Hexachlorocyclopentadiene	(ug/kg)	R	330UJ	R	R
2,4,6-Trichlorophenol	(ug/kg)	1900UJ	63UJ	62U	65U
2,4,5-Trichlorophenol	(ug/kg)	450J	100J	62U	65U
Biphenyl	(ug/kg)	260J	11J	62U	65U

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-003	SD-003	SD-004	SD-004
	SAMPLE ID	D01921	D01922	D01923	D01924
	DATE	11/08/2001	11/08/2001	11/06/2001	11/06/2001
	DEPTH (ft)	0.25	1.17	0.25	0.79
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)	1900UJ	63UJ	62U	65U
2-Nitroaniline	(ug/kg)	23000UJ	830UJ	830U	830U
Dimethylphthalate	(ug/kg)	1900UJ	63UJ	62U	65U
2,6-Dinitrotoluene	(ug/kg)	1900UJ	63UJ	62U	65U
Acenaphthylene	(ug/kg)	940UJ	31UJ	31U	32U
3-Nitroaniline	(ug/kg)	23000UJ	830UJ	830U	830U
Acenaphthene	(ug/kg)	940UJ	31UJ	31U	32U
2,4-Dinitrophenol	(ug/kg)	1900UJ	63UJ	62U	65U
4-Nitrophenol	(ug/kg)	23000UJ	830UJ	830U	830U
2,3,5,6-Tetrachlorophenol	(ug/kg)	300J	48J	62UJ	65UJ
Dibenzofuran	(ug/kg)	1900UJ	63UJ	62U	65U
2,4-Dinitrotoluene	(ug/kg)	1900UJ	63UJ	62U	65U
Diethylphthalate	(ug/kg)	1900UJ	63UJ	62U	65U
Fluorene	(ug/kg)	940UJ	31UJ	31U	32U
4-chlorophenyl-phenylether	(ug/kg)	1900UJ	63UJ	62U	65U
4-Nitroaniline	(ug/kg)	23000UJ	830UJ	830U	830U
4,6-Dinitro-2-methylphenol	(ug/kg)	23000UJ	830UJ	830U	830U
N-Nitrosodiphenylamine	(ug/kg)	1900UJ	63UJ	62U	65U
4-Bromophenyl phenylether	(ug/kg)	1900UJ	63UJ	62U	65U
Hexachlorobenzene	(ug/kg)	1900UJ	63UJ	62U	65U
Atrazine	(ug/kg)	1900UJ	63UJ	62U	65U
Pentachlorophenol	(ug/kg)	2300J	2000J	830U	830U
Phenanthrene	(ug/kg)	740J	15J	18J	4.1J
Anthracene	(ug/kg)	940UJ	31UJ	31U	32U
Carbazole	(ug/kg)	1900UJ	63UJ	62U	65U
Di-n-butylphthalate	(ug/kg)	1900UJ	63UJ	62U	65U
Fluoranthene	(ug/kg)	1200J	9J	40JEB	7.8JEB
Pyrene	(ug/kg)	1900JEB	19J	46J	8.9J
Butylbenzylphthalate	(ug/kg)	1900UJ	63UJ	62U	65U
3,3'-Dichlorobenzidine	(ug/kg)	9300UJ	330UJ	330U	330U

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-003	SD-003	SD-004	SD-004
	SAMPLE ID	D01921	D01922	D01923	D01924
	DATE	11/08/2001	11/08/2001	11/06/2001	11/06/2001
	DEPTH (ft)	0.25	1.17	0.25	0.79
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	610JEB	4.8J	22J	3J
Chrysene	(ug/kg)	860J	8.2J	24J	5J
bis(2-Ethylhexyl) phthalate	(ug/kg)	9300UJ	330UJ	330U	330U
Di-n-octylphthalate	(ug/kg)	1900UJ	18J	62U	65U
Benzo(b)fluoranthene	(ug/kg)	830J	31UJ	27J	5J
Benzo(k)fluoranthene	(ug/kg)	610J	31UJ	17J	4.3J
Benzo(a)pyrene	(ug/kg)	330J	31UJ	25J	2.8J
Indeno(1,2,3-cd)pyrene	(ug/kg)	940UJ	31UJ	12J	32U
Dibenz(a,h) anthracene	(ug/kg)	940UJ	31UJ	2.5J	0.66J
Benzo(g,h,i)perylene	(ug/kg)	940UJ	31UJ	9J	32U

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-005	SD-005	SD-006	SD-006
	SAMPLE ID	D01926	D01990	D01927	D01928
	DATE	11/06/2001	11/06/2001	11/07/2001	11/07/2001
	DEPTH (ft)	0.83	0.25	0.25	0.75
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.50	0.00	0.00	0.50
Ending Depth	(feet)	1.17	0.50	0.50	1.00
Benzaldehyde	(ug/kg)	11J	27J	30J	15J
Phenol	(ug/kg)	6.1UJ	65U	6.1UJ	6.1UJ
2-Chlorophenol	(ug/kg)	64U	65U	65UJ	62UJ
Bis(2-chloroethyl)ether	(ug/kg)	64U	65U	65UJ	62UJ
2-Methylphenol	(ug/kg)	6.5UJ	65U	6.5UJ	6.5UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	64U	65U	65UJ	62UJ
Acetophenone	(ug/kg)	64U	65U	65UJ	62UJ
4-Methylphenol	(ug/kg)	R	R	R	R
2,6-Dimethylphenol	(ug/kg)	64UJ	65UJ	65UJ	62UJ
N-Nitrosodi-n-propylamine	(ug/kg)	64U	65U	65UJ	62UJ
Hexachloroethane	(ug/kg)	64U	65U	65UJ	62UJ
Nitrobenzene	(ug/kg)	64U	65U	65UJ	62UJ
Isophorone	(ug/kg)	64U	65U	65UJ	62UJ
2-Nitrophenol	(ug/kg)	64U	65U	65UJ	62UJ
2,4-Dimethylphenol	(ug/kg)	64UJ	65UJ	65UJ	62UJ
Bis(2-chloroethoxy)methane	(ug/kg)	64U	65U	65UJ	62UJ
2,4-Dichlorophenol	(ug/kg)	64U	65U	65UJ	62UJ
3,4-Dimethylphenol	(ug/kg)	64UJ	65UJ	65UJ	62UJ
Naphthalene	(ug/kg)	9J	13J	65UJ	62UJ
4-Chloroaniline	(ug/kg)	330UJ	330UJ	330UJ	330UJ
Hexachlorobutadiene	(ug/kg)	64U	65U	65UJ	62UJ
Caprolactam	(ug/kg)	64U	65U	65UJ	62UJ
4-Chloro-3-methylphenol	(ug/kg)	64U	65U	65UJ	62UJ
2-Methylnaphthalene	(ug/kg)	64U	65U	65UJ	62UJ
Hexachlorocyclopentadiene	(ug/kg)	R	R	330UJ	330UJ
2,4,6-Trichlorophenol	(ug/kg)	64U	65U	65UJ	62UJ
2,4,5-Trichlorophenol	(ug/kg)	64U	65U	65UJ	62UJ
Biphenyl	(ug/kg)	64U	65U	65UJ	62UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-005	SD-005	SD-006	SD-006
		SAMPLE ID	D01926	D01990	D01927	D01928
		DATE	11/06/2001	11/06/2001	11/07/2001	11/07/2001
		DEPTH (ft)	0.83	0.25	0.25	0.75
		RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)		64U	65U	65UJ	62UJ
2-Nitroaniline	(ug/kg)		830U	830U	830UJ	830UJ
Dimethylphthalate	(ug/kg)		64U	65U	65UJ	62UJ
2,6-Dinitrotoluene	(ug/kg)		64U	65U	65UJ	62UJ
Acenaphthylene	(ug/kg)		24J	38J	32UJ	31UJ
3-Nitroaniline	(ug/kg)		830U	830U	830UJ	830UJ
Acenaphthene	(ug/kg)		31U	9J	32UJ	31UJ
2,4-Dinitrophenol	(ug/kg)		64U	65U	65UJ	62UJ
4-Nitrophenol	(ug/kg)		830U	830U	830UJ	830UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)		64UJ	65UJ	65UJ	62UJ
Dibenzofuran	(ug/kg)		64U	9J	65UJ	62UJ
2,4-Dinitrotoluene	(ug/kg)		64U	65U	65UJ	62UJ
Diethylphthalate	(ug/kg)		64U	65U	65UJ	62UJ
Fluorene	(ug/kg)		14J	23J	32UJ	31UJ
4-chlorophenyl-phenylether	(ug/kg)		64U	65U	65UJ	62UJ
4-Nitroaniline	(ug/kg)		830U	830U	830UJ	830UJ
4,6-Dinitro-2-methylphenol	(ug/kg)		830U	830U	830UJ	830UJ
N-Nitrosodiphenylamine	(ug/kg)		64U	65U	65UJ	62UJ
4-Bromophenyl phenylether	(ug/kg)		64U	65U	65UJ	62UJ
Hexachlorobenzene	(ug/kg)		64U	65U	65UJ	62UJ
Atrazine	(ug/kg)		64U	65U	65UJ	62UJ
Pentachlorophenol	(ug/kg)		830U	830U	14J	18J
Phenanthrene	(ug/kg)		180	260	4.1J	3UJ
Anthracene	(ug/kg)		21J	28J	32UJ	31UJ
Carbazole	(ug/kg)		11J	21J	65UJ	62UJ
Di-n-butylphthalate	(ug/kg)		64U	65U	65UJ	62UJ
Fluoranthene	(ug/kg)		340	480	4.9JEB	2.8JEB
Pyrene	(ug/kg)		320	590	6.9J	3.3J
Butylbenzylphthalate	(ug/kg)		64U	65U	65UJ	62UJ
3,3'-Dichlorobenzidine	(ug/kg)		330U	330U	330UJ	330UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-005 D01926 11/06/2001 0.83 Primary	SD-005 D01990 11/06/2001 0.25 Primary	SD-006 D01927 11/07/2001 0.25 Primary	SD-006 D01928 11/07/2001 0.75 Primary
Benzo(a)anthracene	(ug/kg)	140	260	2.6J	1.4J
Chrysene	(ug/kg)	160	280	3.8J	2.6J
bis(2-Ethylhexyl) phthalate	(ug/kg)	330U	330U	330UJ	330UJ
Di-n-octylphthalate	(ug/kg)	64U	65U	65UJ	9J
Benzo(b)fluoranthene	(ug/kg)	190	380	3.1J	2.1J
Benzo(k)fluoranthene	(ug/kg)	140	230	2.7J	1.5J
Benzo(a)pyrene	(ug/kg)	150	240	1.9J	1.1J
Indeno(1,2,3-cd)pyrene	(ug/kg)	66	130	32UJ	31UJ
Dibenz(a,h) anthracene	(ug/kg)	31U	37	0.41J	0.31J
Benzo(g,h,i)perylene	(ug/kg)	50	110	32UJ	31UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-007	SD-007	SD-008	SD-008
	SAMPLE ID	D01929	D01930	D01931	D01932
	DATE	11/07/2001	11/07/2001	11/08/2001	11/08/2001
	DEPTH (ft)	0.25	1.00	0.25	1.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	1.50	0.50	2.00
Benzaldehyde	(ug/kg)	54J	18J	1900UJ	44J
Phenol	(ug/kg)	66UJ	6.1UJ	1900UJ	67UJ
2-Chlorophenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Bis(2-chloroethyl)ether	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2-Methylphenol	(ug/kg)	66UJ	6.5UJ	1900UJ	67UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Acetophenone	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
4-Methylphenol	(ug/kg)	83J	R	1900UJ	R
2,6-Dimethylphenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
N-Nitrosodi-n-propylamine	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Hexachloroethane	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Nitrobenzene	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Isophorone	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2-Nitrophenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2,4-Dimethylphenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Bis(2-chloroethoxy)methane	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2,4-Dichlorophenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
3,4-Dimethylphenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Naphthalene	(ug/kg)	9J	66UJ	910J	11J
4-Chloroaniline	(ug/kg)	330UJ	330UJ	R	330UJ
Hexachlorobutadiene	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Caprolactam	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
4-Chloro-3-methylphenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2-Methylnaphthalene	(ug/kg)	66UJ	66UJ	420J	67UJ
Hexachlorocyclopentadiene	(ug/kg)	330UJ	330UJ	R	330UJ
2,4,6-Trichlorophenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2,4,5-Trichlorophenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Biphenyl	(ug/kg)	66UJ	66UJ	1900UJ	67UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE / SAMPLE ID / DATE / DEPTH (ft) / RESULT TYPE	SD-007 D01929 11/07/2001 0.25 Primary	SD-007 D01930 11/07/2001 1.00 Primary	SD-008 D01931 11/08/2001 0.25 Primary	SD-008 D01932 11/08/2001 1.25 Primary
2-Chloronaphthalene	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2-Nitroaniline	(ug/kg)	830UJ	830UJ	24000UJ	830UJ
Dimethylphthalate	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2,6-Dinitrotoluene	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Acenaphthylene	(ug/kg)	33UJ	33UJ	960UJ	33UJ
3-Nitroaniline	(ug/kg)	830UJ	830UJ	24000UJ	830UJ
Acenaphthene	(ug/kg)	33UJ	33UJ	960UJ	33UJ
2,4-Dinitrophenol	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
4-Nitrophenol	(ug/kg)	830UJ	830UJ	24000UJ	830UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)	66UJ	32J	1900UJ	67UJ
Dibenzofuran	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
2,4-Dinitrotoluene	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Diethylphthalate	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Fluorene	(ug/kg)	33UJ	33UJ	960UJ	33UJ
4-chlorophenyl-phenylether	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
4-Nitroaniline	(ug/kg)	830UJ	830UJ	24000UJ	830UJ
4,6-Dinitro-2-methylphenol	(ug/kg)	830UJ	830UJ	24000UJ	830UJ
N-Nitrosodiphenylamine	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
4-Bromophenyl phenylether	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Hexachlorobenzene	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Atrazine	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
Pentachlorophenol	(ug/kg)	830UJ	25J	24000UJ	9J
Phenanthrene	(ug/kg)	36J	11J	2500J	23J
Anthracene	(ug/kg)	33UJ	33UJ	470J	33UJ
Carbazole	(ug/kg)	66UJ	66UJ	260J	67UJ
Di-n-butylphthalate	(ug/kg)	66UJ	66UJ	260J	67UJ
Fluoranthene	(ug/kg)	51J	11J	5700J	12J
Pyrene	(ug/kg)	44J	13J	6700J	10J
Butylbenzylphthalate	(ug/kg)	66UJ	66UJ	1900UJ	67UJ
3,3'-Dichlorobenzidine	(ug/kg)	330UJ	330UJ	9500UJ	330UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-007	SD-007	SD-008	SD-008
	SAMPLE ID	D01929	D01930	D01931	D01932
	DATE	11/07/2001	11/07/2001	11/08/2001	11/08/2001
	DEPTH (ft)	0.25	1.00	0.25	1.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	21J	4.4J	2900J	33UJ
Chrysene	(ug/kg)	32J	6.9J	2800JEB	10J
bis(2-Ethylhexyl) phthalate	(ug/kg)	330UJ	330UJ	9500UJ	330UJ
Di-n-octylphthalate	(ug/kg)	66UJ	66UJ	1900UJ	10J
Benzo(b)fluoranthene	(ug/kg)	30J	7.4J	3400J	33UJ
Benzo(k)fluoranthene	(ug/kg)	26J	4.5J	1500J	33UJ
Benzo(a)pyrene	(ug/kg)	27J	4J	2000J	33UJ
Indeno(1,2,3-cd)pyrene	(ug/kg)	9J	33UJ	1100J	33UJ
Dibenz(a,h) anthracene	(ug/kg)	1.8J	0.38J	270J	33UJ
Benzo(g,h,i)perylene	(ug/kg)	33UJ	33UJ	830J	33UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-009 D01933 11/08/2001 0.25 Primary	SD-009 D01991 11/08/2001 0.25 Duplicate 1	SD-009 D01934 11/08/2001 1.17 Primary	SD-010 D01935 11/08/2001 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.50	0.00
Ending Depth	(feet)	0.50	0.50	1.83	0.50
Benzaldehyde	(ug/kg)	1800UJ	1800UJ	65UJ	22J
Phenol	(ug/kg)	140UJ	1800UJ	65UJ	66UJ
2-Chlorophenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Bis(2-chloroethyl)ether	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
2-Methylphenol	(ug/kg)	150UJ	1800UJ	65UJ	66UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Acetophenone	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
4-Methylphenol	(ug/kg)	R	1800UJ	65UJ	66UJ
2,6-Dimethylphenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
N-Nitrosodi-n-propylamine	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Hexachloroethane	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Nitrobenzene	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Isophorone	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
2-Nitrophenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
2,4-Dimethylphenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Bis(2-chloroethoxy)methane	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
2,4-Dichlorophenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
3,4-Dimethylphenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Naphthalene	(ug/kg)	410J	260J	130J	28J
4-Chloroaniline	(ug/kg)	R	R	320UJ	320UJ
Hexachlorobutadiene	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Caprolactam	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
4-Chloro-3-methylphenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
2-Methylnaphthalene	(ug/kg)	480J	280J	210J	28J
Hexachlorocyclopentadiene	(ug/kg)	R	R	320UJ	320UJ
2,4,6-Trichlorophenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
2,4,5-Trichlorophenol	(ug/kg)	1800UJ	1800UJ	240J	66UJ
Biphenyl	(ug/kg)	320J	1800UJ	56J	9J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-009	SD-009	SD-009	SD-010
	SAMPLE ID	D01933	D01991	D01934	D01935
	DATE	11/08/2001	11/08/2001	11/08/2001	11/08/2001
	DEPTH (ft)	0.25	0.25	1.17	0.25
	RESULT TYPE	Primary	Duplicate 1	Primary	Primary
2-Chloronaphthalene	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
2-Nitroaniline	(ug/kg)	19000UJ	22000UJ	800UJ	810UJ
Dimethylphthalate	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
2,6-Dinitrotoluene	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Acenaphthylene	(ug/kg)	880UJ	880UJ	11J	32UJ
3-Nitroaniline	(ug/kg)	19000UJ	22000UJ	800UJ	810UJ
Acenaphthene	(ug/kg)	880UJ	880UJ	44J	32UJ
2,4-Dinitrophenol	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
4-Nitrophenol	(ug/kg)	19000UJ	22000UJ	800UJ	810UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)	490J	1800UJ	320J	66UJ
Dibenzofuran	(ug/kg)	1800UJ	1800UJ	77J	14J
2,4-Dinitrotoluene	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Diethylphthalate	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Fluorene	(ug/kg)	600J	390J	94J	32UJ
4-chlorophenyl-phenylether	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
4-Nitroaniline	(ug/kg)	19000UJ	22000UJ	800UJ	810UJ
4,6-Dinitro-2-methylphenol	(ug/kg)	19000UJ	22000UJ	800UJ	810UJ
N-Nitrosodiphenylamine	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
4-Bromophenyl phenylether	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Hexachlorobenzene	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Atrazine	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
Pentachlorophenol	(ug/kg)	27000J	21000J	16000J	28J
Phenanthrene	(ug/kg)	1600J	1000J	360J	70J
Anthracene	(ug/kg)	880UJ	880UJ	28J	10J
Carbazole	(ug/kg)	1800UJ	1800UJ	32J	66UJ
Di-n-butylphthalate	(ug/kg)	290J	260J	65UJ	66UJ
Fluoranthene	(ug/kg)	330JEB	600J	400J	110J
Pyrene	(ug/kg)	890J	520J	410J	130J
Butylbenzylphthalate	(ug/kg)	1800UJ	1800UJ	65UJ	66UJ
3,3'-Dichlorobenzidine	(ug/kg)	7600UJ	8700UJ	320UJ	320UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-009 D01933 11/08/2001 0.25 Primary	SD-009 D01991 11/08/2001 0.25 Duplicate 1	SD-009 D01934 11/08/2001 1.17 Primary	SD-010 D01935 11/08/2001 0.25 Primary
Benzo(a)anthracene	(ug/kg)	330J	880UJ	140J	59J
Chrysene	(ug/kg)	460J	280J	170J	65J
bis(2-Ethylhexyl) phthalate	(ug/kg)	3500J	8700UJ	320UJ	320UJ
Di-n-octylphthalate	(ug/kg)	300J	1800UJ	65UJ	66UJ
Benzo(b)fluoranthene	(ug/kg)	210J	880UJ	170J	81J
Benzo(k)fluoranthene	(ug/kg)	170J	880UJ	120J	55J
Benzo(a)pyrene	(ug/kg)	140J	880UJ	88J	40J
Indeno(1,2,3-cd)pyrene	(ug/kg)	880UJ	880UJ	62J	29J
Dibenz(a,h) anthracene	(ug/kg)	54J	880UJ	20J	32UJ
Benzo(g,h,i)perylene	(ug/kg)	880UJ	880UJ	47J	25J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-011 D01937 11/09/2001 0.25 Primary	SD-012 D01939 11/09/2001 0.25 Primary	SD-013 D01941 11/09/2001 0.25 Primary	SD-013 D01942 11/09/2001 1.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.50
Ending Depth	(feet)	0.50	0.50	0.50	2.00
Benzaldehyde	(ug/kg)	1700UJ	70J	1700UJ	46J
Phenol	(ug/kg)	160UJ	66UJ	1700UJ	63UJ
2-Chlorophenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Bis(2-chloroethyl)ether	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
2-Methylphenol	(ug/kg)	170UJ	66UJ	1700UJ	63UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Acetophenone	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
4-Methylphenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
2,6-Dimethylphenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
N-Nitrosodi-n-propylamine	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Hexachloroethane	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Nitrobenzene	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Isophorone	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
2-Nitrophenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
2,4-Dimethylphenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Bis(2-chloroethoxy)methane	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
2,4-Dichlorophenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
3,4-Dimethylphenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Naphthalene	(ug/kg)	1700UJ	14J	1700UJ	74J
4-Chloroaniline	(ug/kg)	R	330UJ	R	310UJ
Hexachlorobutadiene	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Caprolactam	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
4-Chloro-3-methylphenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
2-Methylnaphthalene	(ug/kg)	1700UJ	13J	1700UJ	91J
Hexachlorocyclopentadiene	(ug/kg)	R	330UJ	R	310UJ
2,4,6-Trichlorophenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
2,4,5-Trichlorophenol	(ug/kg)	1700UJ	66UJ	1700UJ	63UJ
Biphenyl	(ug/kg)	1700UJ	66UJ	1700UJ	17J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-011 D01937 11/09/2001 0.25 Primary	SD-012 D01939 11/09/2001 0.25 Primary	SD-013 D01941 11/09/2001 0.25 Primary	SD-013 D01942 11/09/2001 1.25 Primary
2-Chloronaphthalene	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
2-Nitroaniline	(ug/kg)		21000UJ	820UJ	21000UJ	780UJ
Dimethylphthalate	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
2,6-Dinitrotoluene	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
Acenaphthylene	(ug/kg)		850UJ	33UJ	840UJ	170J
3-Nitroaniline	(ug/kg)		21000UJ	820UJ	21000UJ	780UJ
Acenaphthene	(ug/kg)		850UJ	33UJ	840UJ	70J
2,4-Dinitrophenol	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
4-Nitrophenol	(ug/kg)		21000UJ	820UJ	21000UJ	780UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
Dibenzofuran	(ug/kg)		1700UJ	66UJ	1700UJ	94J
2,4-Dinitrotoluene	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
Diethylphthalate	(ug/kg)		1700UJ	21J	1700UJ	63UJ
Fluorene	(ug/kg)		850UJ	33UJ	840UJ	230J
4-chlorophenyl-phenylether	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
4-Nitroaniline	(ug/kg)		21000UJ	820UJ	21000UJ	780UJ
4,6-Dinitro-2-methylphenol	(ug/kg)		21000UJ	820UJ	21000UJ	780UJ
N-Nitrosodiphenylamine	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
4-Bromophenyl phenylether	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
Hexachlorobenzene	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
Atrazine	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
Pentachlorophenol	(ug/kg)		21000UJ	820UJ	21000UJ	780UJ
Phenanthrene	(ug/kg)		490JEB	42J	1200J	1200J
Anthracene	(ug/kg)		850UJ	11J	840UJ	140J
Carbazole	(ug/kg)		1700UJ	66UJ	1700UJ	80J
Di-n-butylphthalate	(ug/kg)		1700UJ	66UJ	250J	63UJ
Fluoranthene	(ug/kg)		1800JEB	52J	2000J	1700J
Pyrene	(ug/kg)		1100JEB	71J	2600JEB	1700J
Butylbenzylphthalate	(ug/kg)		1700UJ	66UJ	1700UJ	63UJ
3,3'-Dichlorobenzidine	(ug/kg)		8400UJ	330UJ	8300UJ	310UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-011	SD-012	SD-013	SD-013
	SAMPLE ID	D01937	D01939	D01941	D01942
	DATE	11/09/2001	11/09/2001	11/09/2001	11/09/2001
	DEPTH (ft)	0.25	0.25	0.25	1.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	230JEB	27J	1000JEB	1100J
Chrysene	(ug/kg)	760JEB	37J	1100JEB	610J
bis(2-Ethylhexyl) phthalate	(ug/kg)	8400UJ	330UJ	8300UJ	310UJ
Di-n-octylphthalate	(ug/kg)	8100UJ	11J	1700UJ	63UJ
Benzo(b)fluoranthene	(ug/kg)	1000JEB	27JEB	1400JEB	1300J
Benzo(k)fluoranthene	(ug/kg)	420JEB	19J	870JEB	450J
Benzo(a)pyrene	(ug/kg)	110JEB	25J	1100JEB	630J
Indeno(1,2,3-cd)pyrene	(ug/kg)	850UJ	14J	480J	350J
Dibenz(a,h) anthracene	(ug/kg)	25JEB	2.6JEB	120JEB	140J
Benzo(g,h,i)perylene	(ug/kg)	850UJ	14J	330J	280J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-013 D01992 11/09/2001 1.25 Duplicate 1	SD-014 D01943 11/09/2001 0.25 Primary	SD-014 D01944 11/09/2001 1.25 Primary	SD-015 D01945 11/07/2001 0.25 Primary
Starting Depth	(feet)	0.50	0.00	0.50	0.00
Ending Depth	(feet)	2.00	0.50	2.00	0.50
Benzaldehyde	(ug/kg)	46J	1800UJ	1800UJ	17J
Phenol	(ug/kg)	65UJ	1800UJ	1800UJ	6.1UJ
2-Chlorophenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Bis(2-chloroethyl)ether	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
2-Methylphenol	(ug/kg)	65UJ	1800UJ	1800UJ	6.5UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Acetophenone	(ug/kg)	65UJ	1800UJ	1800UJ	9J
4-Methylphenol	(ug/kg)	65UJ	1800UJ	1800UJ	R
2,6-Dimethylphenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
N-Nitrosodi-n-propylamine	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Hexachloroethane	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Nitrobenzene	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Isophorone	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
2-Nitrophenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
2,4-Dimethylphenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Bis(2-chloroethoxy)methane	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
2,4-Dichlorophenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
3,4-Dimethylphenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Naphthalene	(ug/kg)	83J	320J	710J	11J
4-Chloroaniline	(ug/kg)	320UJ	R	R	330UJ
Hexachlorobutadiene	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Caprolactam	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
4-Chloro-3-methylphenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
2-Methylnaphthalene	(ug/kg)	94J	360J	690J	66UJ
Hexachlorocyclopentadiene	(ug/kg)	320UJ	R	R	330UJ
2,4,6-Trichlorophenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
2,4,5-Trichlorophenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Biphenyl	(ug/kg)	16J	1800UJ	1800UJ	66UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-013	SD-014	SD-014	SD-015
	SAMPLE ID	D01992	D01943	D01944	D01945
	DATE	11/09/2001	11/09/2001	11/09/2001	11/07/2001
	DEPTH (ft)	1.25	0.25	1.25	0.25
	RESULT TYPE	Duplicate 1	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
2-Nitroaniline	(ug/kg)	800UJ	22000UJ	23000UJ	830UJ
Dimethylphthalate	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
2,6-Dinitrotoluene	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Acenaphthylene	(ug/kg)	160J	600J	1100J	32UJ
3-Nitroaniline	(ug/kg)	800UJ	22000UJ	23000UJ	830UJ
Acenaphthene	(ug/kg)	65J	880UJ	920UJ	32UJ
2,4-Dinitrophenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
4-Nitrophenol	(ug/kg)	800UJ	22000UJ	23000UJ	830UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Dibenzofuran	(ug/kg)	72J	220J	280J	66UJ
2,4-Dinitrotoluene	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Diethylphthalate	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Fluorene	(ug/kg)	200J	1300J	1600J	32UJ
4-chlorophenyl-phenylether	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
4-Nitroaniline	(ug/kg)	800UJ	22000UJ	23000UJ	830UJ
4,6-Dinitro-2-methylphenol	(ug/kg)	800UJ	22000UJ	23000UJ	830UJ
N-Nitrosodiphenylamine	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
4-Bromophenyl phenylether	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Hexachlorobenzene	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Atrazine	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Pentachlorophenol	(ug/kg)	800UJ	22000UJ	23000UJ	46J
Phenanthrene	(ug/kg)	1000J	12000J	15000J	33J
Anthracene	(ug/kg)	140J	910J	1400J	32UJ
Carbazole	(ug/kg)	69J	520J	1800UJ	66UJ
Di-n-butylphthalate	(ug/kg)	65UJ	1800UJ	290J	66UJ
Fluoranthene	(ug/kg)	1600J	11000J	16000J	72J
Pyrene	(ug/kg)	1600J	19000J	30000J	46J
Butylbenzylphthalate	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
3,3'-Dichlorobenzidine	(ug/kg)	320UJ	8700UJ	9100UJ	330UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-013 D01992 11/09/2001 1.25 Duplicate 1	SD-014 D01943 11/09/2001 0.25 Primary	SD-014 D01944 11/09/2001 1.25 Primary	SD-015 D01945 11/07/2001 0.25 Primary
Benzo(a)anthracene	(ug/kg)	980J	5100J	9200J	28J
Chrysene	(ug/kg)	650J	6000J	9800J	31J
bis(2-Ethylhexyl) phthalate	(ug/kg)	320UJ	8700UJ	9100UJ	220J
Di-n-octylphthalate	(ug/kg)	65UJ	1800UJ	1800UJ	66UJ
Benzo(b)fluoranthene	(ug/kg)	1200J	5200J	11000J	62J
Benzo(k)fluoranthene	(ug/kg)	390J	4900J	5400J	41J
Benzo(a)pyrene	(ug/kg)	680J	4600J	7500J	44J
Indeno(1,2,3-cd)pyrene	(ug/kg)	340J	2700J	5400J	12J
Dibenz(a,h) anthracene	(ug/kg)	110J	770J	1600J	32UJ
Benzo(g,h,i)perylene	(ug/kg)	250J	2400J	4300J	10J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-015	SD-016	SD-016	SD-017
	SAMPLE ID	D01946	D01947	D01948	D01949
	DATE	11/07/2001	11/12/2001	11/12/2001	11/12/2001
	DEPTH (ft)	1.08	0.25	1.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.50	0.00	0.50	0.00
Ending Depth	(feet)	1.67	0.50	2.00	0.50
Benzaldehyde	(ug/kg)	1700UJ	66UJ	12J	19J
Phenol	(ug/kg)	140UJ	66UJ	65UJ	65UJ
2-Chlorophenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Bis(2-chloroethyl)ether	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
2-Methylphenol	(ug/kg)	150UJ	66UJ	65UJ	65UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Acetophenone	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
4-Methylphenol	(ug/kg)	R	66UJ	65UJ	65UJ
2,6-Dimethylphenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
N-Nitrosodi-n-propylamine	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Hexachloroethane	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Nitrobenzene	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Isophorone	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
2-Nitrophenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
2,4-Dimethylphenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Bis(2-chloroethoxy)methane	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
2,4-Dichlorophenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
3,4-Dimethylphenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Naphthalene	(ug/kg)	1700UJ	66UJ	65UJ	17J
4-Chloroaniline	(ug/kg)	R	320UJ	320UJ	320UJ
Hexachlorobutadiene	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Caprolactam	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
4-Chloro-3-methylphenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
2-Methylnaphthalene	(ug/kg)	280J	66UJ	65UJ	10J
Hexachlorocyclopentadiene	(ug/kg)	R	320UJ	320UJ	320UJ
2,4,6-Trichlorophenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
2,4,5-Trichlorophenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Biphenyl	(ug/kg)	1700UJ	66UJ	65UJ	20J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-015	SD-016	SD-016	SD-017
	SAMPLE ID	D01946	D01947	D01948	D01949
	DATE	11/07/2001	11/12/2001	11/12/2001	11/12/2001
	DEPTH (ft)	1.08	0.25	1.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
2-Nitroaniline	(ug/kg)	19000UJ	810UJ	810UJ	810UJ
Dimethylphthalate	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
2,6-Dinitrotoluene	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Acenaphthylene	(ug/kg)	870UJ	32UJ	32UJ	57J
3-Nitroaniline	(ug/kg)	19000UJ	810UJ	810UJ	810UJ
Acenaphthene	(ug/kg)	870UJ	32UJ	32UJ	16J
2,4-Dinitrophenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
4-Nitrophenol	(ug/kg)	19000UJ	810UJ	810UJ	810UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Dibenzofuran	(ug/kg)	1700UJ	66UJ	65UJ	19J
2,4-Dinitrotoluene	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Diethylphthalate	(ug/kg)	1700UJ	26J	18J	65UJ
Fluorene	(ug/kg)	870UJ	32UJ	32UJ	49J
4-chlorophenyl-phenylether	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
4-Nitroaniline	(ug/kg)	19000UJ	810UJ	810UJ	810UJ
4,6-Dinitro-2-methylphenol	(ug/kg)	19000UJ	810UJ	810UJ	810UJ
N-Nitrosodiphenylamine	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
4-Bromophenyl phenylether	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Hexachlorobenzene	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Atrazine	(ug/kg)	1700UJ	66UJ	65UJ	65UJ
Pentachlorophenol	(ug/kg)	19000UJ	810UJ	810UJ	810UJ
Phenanthrene	(ug/kg)	78J	23J	1.5UJ	580J
Anthracene	(ug/kg)	870UJ	32UJ	32UJ	70J
Carbazole	(ug/kg)	1700UJ	66UJ	65UJ	60J
Di-n-butylphthalate	(ug/kg)	380J	66UJ	65UJ	65UJ
Fluoranthene	(ug/kg)	150JEB	21J	2.4JEB	910J
Pyrene	(ug/kg)	1700UJ	31J	2.5JEB	910J
Butylbenzylphthalate	(ug/kg)	1700UJ	20J	65UJ	65UJ
3,3'-Dichlorobenzidine	(ug/kg)	7600UJ	320UJ	320UJ	320UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-015 D01946 11/07/2001 1.08 Primary	SD-016 D01947 11/12/2001 0.25 Primary	SD-016 D01948 11/12/2001 1.25 Primary	SD-017 D01949 11/12/2001 0.25 Primary
Benzo(a)anthracene	(ug/kg)	870UJ	9.1JEB	1JEB	530J
Chrysene	(ug/kg)	870UJ	20J	1.2JEB	440J
bis(2-Ethylhexyl) phthalate	(ug/kg)	3900J	320UJ	320UJ	900J
Di-n-octylphthalate	(ug/kg)	1700UJ	12J	65UJ	290J
Benzo(b)fluoranthene	(ug/kg)	870UJ	6.9JEB	1.5JEB	670J
Benzo(k)fluoranthene	(ug/kg)	870UJ	5.4JEB	0.99JEB	320J
Benzo(a)pyrene	(ug/kg)	870UJ	8.6JEB	2.1JEB	430J
Indeno(1,2,3-cd)pyrene	(ug/kg)	870UJ	32UJ	32UJ	220J
Dibenz(a,h) anthracene	(ug/kg)	870UJ	0.68JEB	32UJ	68J
Benzo(g,h,i)perylene	(ug/kg)	870UJ	32UJ	32UJ	160J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-017	SD-018	SD-018	SD-019
	SAMPLE ID	D01950	D01951	D01952	D01953
	DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
	DEPTH (ft)	0.88	0.25	1.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.50	0.00	0.50	0.00
Ending Depth	(feet)	1.25	0.50	2.00	0.50
Benzaldehyde	(ug/kg)	1700UJ	1600UJ	650UJ	88J
Phenol	(ug/kg)	160UJ	1600UJ	1500J	67UJ
2-Chlorophenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Bis(2-chloroethyl)ether	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
2-Methylphenol	(ug/kg)	170UJ	1600UJ	22J	67UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Acetophenone	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
4-Methylphenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
2,6-Dimethylphenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
N-Nitrosodi-n-propylamine	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Hexachloroethane	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Nitrobenzene	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Isophorone	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
2-Nitrophenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
2,4-Dimethylphenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Bis(2-chloroethoxy)methane	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
2,4-Dichlorophenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
3,4-Dimethylphenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Naphthalene	(ug/kg)	1700UJ	1200J	230J	67UJ
4-Chloroaniline	(ug/kg)	R	R	3200UJ	330UJ
Hexachlorobutadiene	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Caprolactam	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
4-Chloro-3-methylphenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
2-Methylnaphthalene	(ug/kg)	1700UJ	710J	140J	67UJ
Hexachlorocyclopentadiene	(ug/kg)	R	R	3200UJ	330UJ
2,4,6-Trichlorophenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
2,4,5-Trichlorophenol	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Biphenyl	(ug/kg)	1700UJ	270J	650UJ	67UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-017	SD-018	SD-018	SD-019
		SAMPLE ID	D01950	D01951	D01952	D01953
		DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
		DEPTH (ft)	0.88	0.25	1.25	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
2-Nitroaniline	(ug/kg)		21000UJ	20000UJ	8000UJ	830UJ
Dimethylphthalate	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
2,6-Dinitrotoluene	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
Acenaphthylene	(ug/kg)		850UJ	820UJ	320UJ	33UJ
3-Nitroaniline	(ug/kg)		21000UJ	20000UJ	8000UJ	830UJ
Acenaphthene	(ug/kg)		850UJ	3700J	230J	25J
2,4-Dinitrophenol	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
4-Nitrophenol	(ug/kg)		21000UJ	20000UJ	8000UJ	830UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
Dibenzofuran	(ug/kg)		1700UJ	1900J	150J	10J
2,4-Dinitrotoluene	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
Diethylphthalate	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
Fluorene	(ug/kg)		850UJ	3500J	280J	22J
4-chlorophenyl-phenylether	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
4-Nitroaniline	(ug/kg)		21000UJ	20000UJ	8000UJ	830UJ
4,6-Dinitro-2-methylphenol	(ug/kg)		21000UJ	20000UJ	8000UJ	830UJ
N-Nitrosodiphenylamine	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
4-Bromophenyl phenylether	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
Hexachlorobenzene	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
Atrazine	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
Pentachlorophenol	(ug/kg)		21000UJ	20000UJ	8000UJ	R
Phenanthrene	(ug/kg)		1300J	35000J	3500J	460J
Anthracene	(ug/kg)		850UJ	4400J	480J	52J
Carbazole	(ug/kg)		1700UJ	4500J	180J	31J
Di-n-butylphthalate	(ug/kg)		230J	1600UJ	650UJ	67UJ
Fluoranthene	(ug/kg)		1900JEB	36000J	2400J	680J
Pyrene	(ug/kg)		1900JEB	45000J	3700J	700J
Butylbenzylphthalate	(ug/kg)		1700UJ	1600UJ	650UJ	67UJ
3,3'-Dichlorobenzidine	(ug/kg)		8400UJ	8100UJ	3200UJ	330UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-017	SD-018	SD-018	SD-019
	SAMPLE ID	D01950	D01951	D01952	D01953
	DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
	DEPTH (ft)	0.88	0.25	1.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)	730J	22000J	1100J	350J
Chrysene	(ug/kg)	930J	17000J	1500J	230J
bis(2-Ethylhexyl) phthalate	(ug/kg)	8400UJ	8100UJ	3200UJ	330UJ
Di-n-octylphthalate	(ug/kg)	1700UJ	1600UJ	650UJ	67UJ
Benzo(b)fluoranthene	(ug/kg)	990JEB	22000J	960J	350J
Benzo(k)fluoranthene	(ug/kg)	650J	7800J	860J	120J
Benzo(a)pyrene	(ug/kg)	720J	13000J	1100J	190J
Indeno(1,2,3-cd)pyrene	(ug/kg)	350J	10000J	480J	170J
Dibenz(a,h) anthracene	(ug/kg)	110JEB	2600J	29J	45J
Benzo(g,h,i)perylene	(ug/kg)	290J	8500J	410J	120J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-019	SD-020	SD-020	SD-021
	SAMPLE ID	D01954	D03445	D03446	D03447
	DATE	11/12/2001	11/05/2002	11/05/2002	11/05/2002
	DEPTH (ft)	1.00	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Starting Depth	(feet)	0.50	0.00	0.00	0.00
Ending Depth	(feet)	1.50	0.50	0.50	0.50
Benzaldehyde	(ug/kg)	64UJ	440UJ	500UJ	1500J
Phenol	(ug/kg)	64UJ	58UJ	77UJ	140UJ
2-Chlorophenol	(ug/kg)	64UJ	220U	210U	350U
Bis(2-chloroethyl)ether	(ug/kg)	64UJ	220U	210U	350U
2-Methylphenol	(ug/kg)	64UJ	5.5JEB	6.4JEB	42EB
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	64UJ	220U	210U	350U
Acetophenone	(ug/kg)	64UJ	78UJ	110UJ	140UJ
4-Methylphenol	(ug/kg)	64UJ	220UJ	210UJ	350UJ
2,6-Dimethylphenol	(ug/kg)	64UJ	R	R	R
N-Nitrosodi-n-propylamine	(ug/kg)	64UJ	220U	210U	350U
Hexachloroethane	(ug/kg)	64UJ	220U	210U	350U
Nitrobenzene	(ug/kg)	64UJ	220U	210U	350U
Isophorone	(ug/kg)	64UJ	220U	210U	350U
2-Nitrophenol	(ug/kg)	64UJ	220U	210U	350U
2,4-Dimethylphenol	(ug/kg)	64UJ	R	R	R
Bis(2-chloroethoxy)methane	(ug/kg)	64UJ	220U	210U	350U
2,4-Dichlorophenol	(ug/kg)	64UJ	220U	210U	350U
3,4-Dimethylphenol	(ug/kg)	64UJ	550UJ	530UJ	870UJ
Naphthalene	(ug/kg)	64UJ	120JEB	140JEB	780
4-Chloroaniline	(ug/kg)	320UJ	R	R	R
Hexachlorobutadiene	(ug/kg)	64UJ	220U	210U	350U
Caprolactam	(ug/kg)	64UJ	220U	210U	350U
4-Chloro-3-methylphenol	(ug/kg)	64UJ	220U	210U	350U
2-Methylnaphthalene	(ug/kg)	64UJ	220U	210U	450
Hexachlorocyclopentadiene	(ug/kg)	320UJ	R	R	R
2,4,6-Trichlorophenol	(ug/kg)	64UJ	220U	210U	350U
2,4,5-Trichlorophenol	(ug/kg)	64UJ	220U	210U	350U
Biphenyl	(ug/kg)	64UJ	220U	210U	230J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-019 D01954 11/12/2001 1.00 Primary	SD-020 D03445 11/05/2002 0.25 Primary	SD-020 D03446 11/05/2002 0.25 Duplicate 1	SD-021 D03447 11/05/2002 0.25 Primary
2-Chloronaphthalene	(ug/kg)		64UJ	220U	210U	350U
2-Nitroaniline	(ug/kg)		800UJ	220U	210U	350U
Dimethylphthalate	(ug/kg)		64UJ	220U	210U	350U
2,6-Dinitrotoluene	(ug/kg)		64UJ	220U	210U	350U
Acenaphthylene	(ug/kg)		32UJ	220U	210U	180J
3-Nitroaniline	(ug/kg)		800UJ	550UJ	530UJ	870UJ
Acenaphthene	(ug/kg)		32UJ	R	R	R
2,4-Dinitrophenol	(ug/kg)		64UJ	550UJ	530UJ	870UJ
4-Nitrophenol	(ug/kg)		800UJ	550UJ	530UJ	870UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)		64UJ	550UJ	530UJ	870UJ
Dibenzofuran	(ug/kg)		64UJ	220U	210U	160J
2,4-Dinitrotoluene	(ug/kg)		64UJ	220U	210U	350U
Diethylphthalate	(ug/kg)		19J	220U	210U	350U
Fluorene	(ug/kg)		32UJ	220U	210U	350U
4-chlorophenyl-phenylether	(ug/kg)		64UJ	220U	210U	350U
4-Nitroaniline	(ug/kg)		800UJ	550UJ	530UJ	870UJ
4,6-Dinitro-2-methylphenol	(ug/kg)		800UJ	550UJ	530UJ	870UJ
N-Nitrosodiphenylamine	(ug/kg)		64UJ	220U	210U	350U
4-Bromophenyl phenylether	(ug/kg)		64UJ	220U	210U	350U
Hexachlorobenzene	(ug/kg)		64UJ	220U	210U	350U
Atrazine	(ug/kg)		64UJ	220UJ	210UJ	350UJ
Pentachlorophenol	(ug/kg)		800UJ	550UJ	530UJ	160J
Phenanthrene	(ug/kg)		56J	150J	330J	880
Anthracene	(ug/kg)		32UJ	23J	64J	250J
Carbazole	(ug/kg)		64UJ	220U	210U	350U
Di-n-butylphthalate	(ug/kg)		64UJ	220U	210U	350U
Fluoranthene	(ug/kg)		62J	200J	630J	1300
Pyrene	(ug/kg)		84J	120J	410J	1100
Butylbenzylphthalate	(ug/kg)		64UJ	220U	210U	350U
3,3'-Dichlorobenzidine	(ug/kg)		320UJ	R	R	R

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-019	SD-020	SD-020	SD-021
	SAMPLE ID	D01954	D03445	D03446	D03447
	DATE	11/12/2001	11/05/2002	11/05/2002	11/05/2002
	DEPTH (ft)	1.00	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Benzo(a)anthracene	(ug/kg)	28J	80J	330J	670J
Chrysene	(ug/kg)	35J	120J	350J	990
bis(2-Ethylhexyl) phthalate	(ug/kg)	320UJ	220U	97J	210J
Di-n-octylphthalate	(ug/kg)	64UJ	220U	210U	630
Benzo(b)fluoranthene	(ug/kg)	39J	82J	240J	1500J
Benzo(k)fluoranthene	(ug/kg)	26J	89J	410J	870J
Benzo(a)pyrene	(ug/kg)	27J	72J	340J	990J
Indeno(1,2,3-cd)pyrene	(ug/kg)	13J	56J	190J	200J
Dibenz(a,h) anthracene	(ug/kg)	2.8J	21J	66J	88J
Benzo(g,h,i)perylene	(ug/kg)	11J	52J	160J	140J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-022 D03448 11/05/2002 0.25 Primary	SD-023 D04221 10/27/2003 0.25 Primary	SD-024 D04222 10/28/2003 0.25 Primary	SD-024 D04227 10/28/2003 0.25 Duplicate 1
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	0.50
Benzaldehyde	(ug/kg)	2700J	480UJ	1800J	900UJ
Phenol	(ug/kg)	240UJ	36UJ	180JEB	150JEB
2-Chlorophenol	(ug/kg)	480U	190UJ	170UJ	170UJ
Bis(2-chloroethyl)ether	(ug/kg)	480U	190UJ	170UJ	170UJ
2-Methylphenol	(ug/kg)	140JEB	15JEB	28JEB	22JEB
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	480U	190UJ	170UJ	170UJ
Acetophenone	(ug/kg)	140UJ	40UJ	160JEB	100JEB
4-Methylphenol	(ug/kg)	320J	190UJ	170UJ	170UJ
2,6-Dimethylphenol	(ug/kg)	R	3800UJ	3500UJ	3300UJ
N-Nitrosodi-n-propylamine	(ug/kg)	480U	190UJ	170UJ	170UJ
Hexachloroethane	(ug/kg)	480U	190UJ	170UJ	170UJ
Nitrobenzene	(ug/kg)	480U	190UJ	170UJ	170UJ
Isophorone	(ug/kg)	480U	190UJ	170UJ	170UJ
2-Nitrophenol	(ug/kg)	480U	480UJ	430UJ	420UJ
2,4-Dimethylphenol	(ug/kg)	R	3800UJ	3500UJ	3300UJ
Bis(2-chloroethoxy)methane	(ug/kg)	480U	190UJ	170UJ	170UJ
2,4-Dichlorophenol	(ug/kg)	480U	190UJ	170UJ	170UJ
3,4-Dimethylphenol	(ug/kg)	1200UJ	190UJ	170UJ	170UJ
Naphthalene	(ug/kg)	1100	250J	210J	150JEB
4-Chloroaniline	(ug/kg)	R	3800UJ	3500UJ	3300UJ
Hexachlorobutadiene	(ug/kg)	480U	190UJ	170UJ	170UJ
Caprolactam	(ug/kg)	480U	190UJ	170UJ	170UJ
4-Chloro-3-methylphenol	(ug/kg)	480U	190UJ	170UJ	170UJ
2-Methylnaphthalene	(ug/kg)	520	100J	290J	210J
Hexachlorocyclopentadiene	(ug/kg)	R	3800UJ	3500UJ	3300UJ
2,4,6-Trichlorophenol	(ug/kg)	480U	190UJ	170UJ	170UJ
2,4,5-Trichlorophenol	(ug/kg)	480U	480UJ	430UJ	420UJ
Biphenyl	(ug/kg)	360J	190UJ	170UJ	170UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-022	SD-023	SD-024	SD-024
	SAMPLE ID	D03448	D04221	D04222	D04227
	DATE	11/05/2002	10/27/2003	10/28/2003	10/28/2003
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1
2-Chloronaphthalene	(ug/kg)	480U	190UJ	170UJ	170UJ
2-Nitroaniline	(ug/kg)	480U	480UJ	430UJ	420UJ
Dimethylphthalate	(ug/kg)	480U	190UJ	170UJ	170UJ
2,6-Dinitrotoluene	(ug/kg)	480U	190UJ	170UJ	170UJ
Acenaphthylene	(ug/kg)	300J	190UJ	300J	270J
3-Nitroaniline	(ug/kg)	1200UJ	480UJ	430UJ	420UJ
Acenaphthene	(ug/kg)	R	190UJ	150J	120J
2,4-Dinitrophenol	(ug/kg)	1200UJ	3800UJ	3500UJ	3300UJ
4-Nitrophenol	(ug/kg)	1200UJ	480UJ	430UJ	420UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)	1200UJ	480UJ	430UJ	420UJ
Dibenzofuran	(ug/kg)	480U	190UJ	130J	98J
2,4-Dinitrotoluene	(ug/kg)	480U	190UJ	170UJ	170UJ
Diethylphthalate	(ug/kg)	480U	130JEB	330JEB	170UJ
Fluorene	(ug/kg)	220J	190UJ	220J	180J
4-chlorophenyl-phenylether	(ug/kg)	480U	190UJ	170UJ	170UJ
4-Nitroaniline	(ug/kg)	1200UJ	480UJ	430UJ	420UJ
4,6-Dinitro-2-methylphenol	(ug/kg)	1200UJ	480UJ	430UJ	420UJ
N-Nitrosodiphenylamine	(ug/kg)	480U	190UJ	170UJ	170UJ
4-Bromophenyl phenylether	(ug/kg)	480U	190UJ	170UJ	170UJ
Hexachlorobenzene	(ug/kg)	480U	190UJ	170UJ	170UJ
Atrazine	(ug/kg)	480UJ	R	R	R
Pentachlorophenol	(ug/kg)	1200UJ	3800UJ	550J	410J
Phenanthrene	(ug/kg)	1500J	340J	3600J	3000J
Anthracene	(ug/kg)	510J	130J	560J	510J
Carbazole	(ug/kg)	480U	190UJ	510J	440J
Di-n-butylphthalate	(ug/kg)	480U	190UJ	110J	81J
Fluoranthene	(ug/kg)	2400	870J	10000J	8600J
Pyrene	(ug/kg)	2400	800J	9600J	10000J
Butylbenzylphthalate	(ug/kg)	480U	190UJ	180J	300J
3,3'-Dichlorobenzidine	(ug/kg)	R	3800UJ	3500UJ	3300UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-022	SD-023	SD-024	SD-024
	SAMPLE ID	D03448	D04221	D04222	D04227
	DATE	11/05/2002	10/27/2003	10/28/2003	10/28/2003
	DEPTH (ft)	0.25	0.25	0.25	0.25
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Benzo(a)anthracene	(ug/kg)	880	380J	2700J	2300J
Chrysene	(ug/kg)	1700	540J	4600J	4100J
bis(2-Ethylhexyl) phthalate	(ug/kg)	450J	780UJ	4800J	4900J
Di-n-octylphthalate	(ug/kg)	750	190UJ	170UJ	R
Benzo(b)fluoranthene	(ug/kg)	1500J	680J	7700J	7400J
Benzo(k)fluoranthene	(ug/kg)	1300	360J	9600J	7200J
Benzo(a)pyrene	(ug/kg)	1200J	450J	4200J	3700J
Indeno(1,2,3-cd)pyrene	(ug/kg)	180J	200J	980J	1300J
Dibenz(a,h) anthracene	(ug/kg)	65J	53J	210J	230J
Benzo(g,h,i)perylene	(ug/kg)	130J	160J	640J	850J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-025	SD-026	SD-027	SOIL#1
	SAMPLE ID	D04223	D04224	D04225	Soil #1
	DATE	10/28/2003	10/27/2003	10/27/2003	12/31/1989
	DEPTH (ft)	0.25	0.25	0.25	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	1.00
Benzaldehyde	(ug/kg)	1900J	330UJ	600UJ	
Phenol	(ug/kg)	180JEB	30UJ	54UJ	
2-Chlorophenol	(ug/kg)	120UJ	140UJ	240UJ	
Bis(2-chloroethyl)ether	(ug/kg)	120UJ	140UJ	240UJ	
2-Methylphenol	(ug/kg)	26JEB	9.8JEB	7.2JEB	
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	120UJ	140UJ	240UJ	
Acetophenone	(ug/kg)	120JEB	53UJ	89UJ	
4-Methylphenol	(ug/kg)	81JEB	140UJ	240UJ	
2,6-Dimethylphenol	(ug/kg)	2500UJ	2700UJ	4900UJ	
N-Nitrosodi-n-propylamine	(ug/kg)	120UJ	140UJ	240UJ	
Hexachloroethane	(ug/kg)	120UJ	140UJ	240UJ	
Nitrobenzene	(ug/kg)	120UJ	140UJ	240UJ	
Isophorone	(ug/kg)	120UJ	140UJ	240UJ	
2-Nitrophenol	(ug/kg)	310UJ	340UJ	610UJ	
2,4-Dimethylphenol	(ug/kg)	2500UJ	2700UJ	4900UJ	
Bis(2-chloroethoxy)methane	(ug/kg)	120UJ	140UJ	240UJ	
2,4-Dichlorophenol	(ug/kg)	120UJ	140UJ	240UJ	50U
3,4-Dimethylphenol	(ug/kg)	120UJ	140UJ	240UJ	
Naphthalene	(ug/kg)	200J	220J	9.9JEB	
4-Chloroaniline	(ug/kg)	2500UJ	2700UJ	4900UJ	
Hexachlorobutadiene	(ug/kg)	120UJ	140UJ	240UJ	
Caprolactam	(ug/kg)	120UJ	140UJ	240UJ	
4-Chloro-3-methylphenol	(ug/kg)	120UJ	140UJ	240UJ	
2-Methylnaphthalene	(ug/kg)	270J	250J	240UJ	
Hexachlorocyclopentadiene	(ug/kg)	2500UJ	2700UJ	4900UJ	
2,4,6-Trichlorophenol	(ug/kg)	120UJ	140UJ	240UJ	
2,4,5-Trichlorophenol	(ug/kg)	310UJ	340UJ	610UJ	
Biphenyl	(ug/kg)	120UJ	62J	240UJ	

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-025 D04223 10/28/2003 0.25 Primary	SD-026 D04224 10/27/2003 0.25 Primary	SD-027 D04225 10/27/2003 0.25 Primary	SOIL#1 Soil #1 12/31/1989 0.50 Primary
2-Chloronaphthalene	(ug/kg)	120UJ	140UJ	240UJ	
2-Nitroaniline	(ug/kg)	310UJ	340UJ	610UJ	
Dimethylphthalate	(ug/kg)	120UJ	140UJ	240UJ	
2,6-Dinitrotoluene	(ug/kg)	120UJ	140UJ	240UJ	
Acenaphthylene	(ug/kg)	280J	81J	240UJ	
3-Nitroaniline	(ug/kg)	310UJ	340UJ	610UJ	
Acenaphthene	(ug/kg)	110J	140UJ	240UJ	
2,4-Dinitrophenol	(ug/kg)	2500UJ	2700UJ	4900UJ	
4-Nitrophenol	(ug/kg)	310UJ	340UJ	610UJ	
2,3,5,6-Tetrachlorophenol	(ug/kg)	65J	340UJ	610UJ	366
Dibenzofuran	(ug/kg)	120J	70J	240UJ	
2,4-Dinitrotoluene	(ug/kg)	120UJ	140UJ	240UJ	
Diethylphthalate	(ug/kg)	140JEB	140UJ	240UJ	
Fluorene	(ug/kg)	200J	140UJ	240UJ	
4-chlorophenyl-phenylether	(ug/kg)	120UJ	140UJ	240UJ	
4-Nitroaniline	(ug/kg)	310UJ	340UJ	610UJ	
4,6-Dinitro-2-methylphenol	(ug/kg)	310UJ	340UJ	610UJ	
N-Nitrosodiphenylamine	(ug/kg)	120UJ	140UJ	240UJ	
4-Bromophenyl phenylether	(ug/kg)	120UJ	140UJ	240UJ	
Hexachlorobenzene	(ug/kg)	120UJ	140UJ	240UJ	
Atrazine	(ug/kg)	R	R	R	
Pentachlorophenol	(ug/kg)	470J	1000J	4900UJ	5429
Phenanthrene	(ug/kg)	3900J	480J	110J	
Anthracene	(ug/kg)	480J	110J	25J	
Carbazole	(ug/kg)	520J	86J	240UJ	
Di-n-butylphthalate	(ug/kg)	95J	79J	240UJ	
Fluoranthene	(ug/kg)	9700J	1100J	210J	
Pyrene	(ug/kg)	8600J	860J	220J	
Butylbenzylphthalate	(ug/kg)	120UJ	140UJ	240UJ	
3,3'-Dichlorobenzidine	(ug/kg)	2500UJ	2700UJ	4900UJ	

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-025 D04223 10/28/2003 0.25 Primary	SD-026 D04224 10/27/2003 0.25 Primary	SD-027 D04225 10/27/2003 0.25 Primary	SOIL#1 Soil #1 12/31/1989 0.50 Primary
Benzo(a)anthracene	(ug/kg)	2400J	330J	90J	
Chrysene	(ug/kg)	4500J	560J	110J	
bis(2-Ethylhexyl) phthalate	(ug/kg)	5400J	140UJ	510UJ	
Di-n-octylphthalate	(ug/kg)	R	140UJ	1000J	
Benzo(b)fluoranthene	(ug/kg)	8200J	530J	130J	
Benzo(k)fluoranthene	(ug/kg)	8300J	390J	46J	
Benzo(a)pyrene	(ug/kg)	3900J	280J	84J	
Indeno(1,2,3-cd)pyrene	(ug/kg)	1300J	180J	35J	
Dibenz(a,h) anthracene	(ug/kg)	220J	49J	10UJ	
Benzo(g,h,i)perylene	(ug/kg)	850J	140J	23UJ	

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SOIL#2 Soil #2 12/31/1989 0.50 Primary	SOIL#3 Soil #3 12/31/1989 0.50 Primary	SOIL#4 Soil #4 12/31/1989 0.50 Primary	SOIL#5 Soil #5 12/31/1989 0.50 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	200U	200U	50U	50U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SOIL#2	SOIL#3	SOIL#4	SOIL#5
	SAMPLE ID	Soil #2	Soil #3	Soil #4	Soil #5
	DATE	12/31/1989	12/31/1989	12/31/1989	12/31/1989
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				
2,4-Dinitrophenol	(ug/kg)				
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)	400U	400U	708	469
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	4920	1430	3799	6233
Phenanthrene	(ug/kg)				
Anthracene	(ug/kg)				
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				
Pyrene	(ug/kg)				
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SOIL#2	SOIL#3	SOIL#4	SOIL#5
	SAMPLE ID	Soil #2	Soil #3	Soil #4	Soil #5
	DATE	12/31/1989	12/31/1989	12/31/1989	12/31/1989
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)				
Chrysene	(ug/kg)				
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)				
Benzo(k)fluoranthene	(ug/kg)				
Benzo(a)pyrene	(ug/kg)				
Indeno(1,2,3-cd)pyrene	(ug/kg)				
Dibenz(a,h) anthracene	(ug/kg)				
Benzo(g,h,i)perylene	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SOIL#6 Soil #6 12/31/1989 0.50 Primary	SOIL#7 Soil #7 12/31/1989 0.50 Primary	SOIL#8 Soil #8 12/31/1989 0.50 Primary	SOIL#9 Soil #9 12/31/1989 0.50 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	1.00	1.00	1.00	1.00
Benzaldehyde	(ug/kg)				
Phenol	(ug/kg)				
2-Chlorophenol	(ug/kg)				
Bis(2-chloroethyl)ether	(ug/kg)				
2-Methylphenol	(ug/kg)				
2,2'-Oxybis(1-Chloropropane)	(ug/kg)				
Acetophenone	(ug/kg)				
4-Methylphenol	(ug/kg)				
2,6-Dimethylphenol	(ug/kg)				
N-Nitrosodi-n-propylamine	(ug/kg)				
Hexachloroethane	(ug/kg)				
Nitrobenzene	(ug/kg)				
Isophorone	(ug/kg)				
2-Nitrophenol	(ug/kg)				
2,4-Dimethylphenol	(ug/kg)				
Bis(2-chloroethoxy)methane	(ug/kg)				
2,4-Dichlorophenol	(ug/kg)	2072	50U	4534	50U
3,4-Dimethylphenol	(ug/kg)				
Naphthalene	(ug/kg)				
4-Chloroaniline	(ug/kg)				
Hexachlorobutadiene	(ug/kg)				
Caprolactam	(ug/kg)				
4-Chloro-3-methylphenol	(ug/kg)				
2-Methylnaphthalene	(ug/kg)				
Hexachlorocyclopentadiene	(ug/kg)				
2,4,6-Trichlorophenol	(ug/kg)				
2,4,5-Trichlorophenol	(ug/kg)				
Biphenyl	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SOIL#6 Soil #6 12/31/1989 0.50 Primary	SOIL#7 Soil #7 12/31/1989 0.50 Primary	SOIL#8 Soil #8 12/31/1989 0.50 Primary	SOIL#9 Soil #9 12/31/1989 0.50 Primary
2-Chloronaphthalene	(ug/kg)				
2-Nitroaniline	(ug/kg)				
Dimethylphthalate	(ug/kg)				
2,6-Dinitrotoluene	(ug/kg)				
Acenaphthylene	(ug/kg)				
3-Nitroaniline	(ug/kg)				
Acenaphthene	(ug/kg)				
2,4-Dinitrophenol	(ug/kg)				
4-Nitrophenol	(ug/kg)				
2,3,5,6-Tetrachlorophenol	(ug/kg)	262	1086	360	517
Dibenzofuran	(ug/kg)				
2,4-Dinitrotoluene	(ug/kg)				
Diethylphthalate	(ug/kg)				
Fluorene	(ug/kg)				
4-chlorophenyl-phenylether	(ug/kg)				
4-Nitroaniline	(ug/kg)				
4,6-Dinitro-2-methylphenol	(ug/kg)				
N-Nitrosodiphenylamine	(ug/kg)				
4-Bromophenyl phenylether	(ug/kg)				
Hexachlorobenzene	(ug/kg)				
Atrazine	(ug/kg)				
Pentachlorophenol	(ug/kg)	1393	7905	4116	4984
Phenanthrene	(ug/kg)				
Anthracene	(ug/kg)				
Carbazole	(ug/kg)				
Di-n-butylphthalate	(ug/kg)				
Fluoranthene	(ug/kg)				
Pyrene	(ug/kg)				
Butylbenzylphthalate	(ug/kg)				
3,3'-Dichlorobenzidine	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SOIL#6	SOIL#7	SOIL#8	SOIL#9
	SAMPLE ID	Soil #6	Soil #7	Soil #8	Soil #9
	DATE	12/31/1989	12/31/1989	12/31/1989	12/31/1989
	DEPTH (ft)	0.50	0.50	0.50	0.50
	RESULT TYPE	Primary	Primary	Primary	Primary
Benzo(a)anthracene	(ug/kg)				
Chrysene	(ug/kg)				
bis(2-Ethylhexyl) phthalate	(ug/kg)				
Di-n-octylphthalate	(ug/kg)				
Benzo(b)fluoranthene	(ug/kg)				
Benzo(k)fluoranthene	(ug/kg)				
Benzo(a)pyrene	(ug/kg)				
Indeno(1,2,3-cd)pyrene	(ug/kg)				
Dibenz(a,h) anthracene	(ug/kg)				
Benzo(g,h,i)perylene	(ug/kg)				

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	VP-001 D02526 04/25/2002 0.25 Primary	VP-001 D02527 04/25/2002 0.25 Duplicate 1	VP-002 D02528 04/25/2002 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50
Benzaldehyde	(ug/kg)	1000J	1600J	9900UJ
Phenol	(ug/kg)	400U	370U	400U
2-Chlorophenol	(ug/kg)	9800UJ	9200UJ	9900UJ
Bis(2-chloroethyl)ether	(ug/kg)	9800UJ	9200UJ	9900UJ
2-Methylphenol	(ug/kg)	400UJ	370UJ	400UJ
2,2'-Oxybis(1-Chloropropane)	(ug/kg)	9800UJ	9200UJ	9900UJ
Acetophenone	(ug/kg)	3000JEB	890JEB	270JEB
4-Methylphenol	(ug/kg)	9800UJ	9200UJ	9900UJ
2,6-Dimethylphenol	(ug/kg)	9800UJ	9200UJ	9900UJ
N-Nitrosodi-n-propylamine	(ug/kg)	9800UJ	9200UJ	9900UJ
Hexachloroethane	(ug/kg)	9800UJ	9200UJ	9900UJ
Nitrobenzene	(ug/kg)	9800UJ	9200UJ	9900UJ
Isophorone	(ug/kg)	9800UJ	9200UJ	9900UJ
2-Nitrophenol	(ug/kg)	9800UJ	9200UJ	9900UJ
2,4-Dimethylphenol	(ug/kg)	9800UJ	9200UJ	9900UJ
Bis(2-chloroethoxy)methane	(ug/kg)	9800UJ	9200UJ	9900UJ
2,4-Dichlorophenol	(ug/kg)	9800UJ	9200UJ	9900UJ
3,4-Dimethylphenol	(ug/kg)	9800UJ	9200UJ	9900UJ
Naphthalene	(ug/kg)	3900UJ	3700UJ	520J
4-Chloroaniline	(ug/kg)	R	R	R
Hexachlorobutadiene	(ug/kg)	9800UJ	9200UJ	9900UJ
Caprolactam	(ug/kg)	9800UJ	9200UJ	9900UJ
4-Chloro-3-methylphenol	(ug/kg)	9800UJ	9200UJ	9900UJ
2-Methylnaphthalene	(ug/kg)	9800UJ	9200UJ	2000J
Hexachlorocyclopentadiene	(ug/kg)	9800UJ	9200UJ	9900UJ
2,4,6-Trichlorophenol	(ug/kg)	9800UJ	9200UJ	500J
2,4,5-Trichlorophenol	(ug/kg)	25000UJ	23000UJ	4000J
Biphenyl	(ug/kg)	9800UJ	9200UJ	620J

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	VP-001 D02526 04/25/2002 0.25 Primary	VP-001 D02527 04/25/2002 0.25 Duplicate 1	VP-002 D02528 04/25/2002 0.25 Primary
2-Chloronaphthalene	(ug/kg)	9800UJ	9200UJ	9900UJ
2-Nitroaniline	(ug/kg)	25000UJ	23000UJ	25000UJ
Dimethylphthalate	(ug/kg)	9800UJ	9200UJ	9900UJ
2,6-Dinitrotoluene	(ug/kg)	9800UJ	9200UJ	9900UJ
Acenaphthylene	(ug/kg)	9800UJ	9200UJ	9900UJ
3-Nitroaniline	(ug/kg)	25000UJ	23000UJ	25000UJ
Acenaphthene	(ug/kg)	9800UJ	9200UJ	260J
2,4-Dinitrophenol	(ug/kg)	25000UJ	23000UJ	25000UJ
4-Nitrophenol	(ug/kg)	25000UJ	23000UJ	25000UJ
2,3,5,6-Tetrachlorophenol	(ug/kg)	9800UJ	9200UJ	9900J
Dibenzofuran	(ug/kg)	9800UJ	9200UJ	440J
2,4-Dinitrotoluene	(ug/kg)	9800UJ	9200UJ	9900UJ
Diethylphthalate	(ug/kg)	3300JEB	450JEB	9900UJ
Fluorene	(ug/kg)	9800UJ	9200UJ	960J
4-chlorophenyl-phenylether	(ug/kg)	9800UJ	9200UJ	9900UJ
4-Nitroaniline	(ug/kg)	25000UJ	23000UJ	25000UJ
4,6-Dinitro-2-methylphenol	(ug/kg)	25000UJ	23000UJ	25000UJ
N-Nitrosodiphenylamine	(ug/kg)	9800UJ	9200UJ	9900UJ
4-Bromophenyl phenylether	(ug/kg)	9800UJ	9200UJ	9900UJ
Hexachlorobenzene	(ug/kg)	3900UJ	3700UJ	4000UJ
Atrazine	(ug/kg)	9800UJ	9200UJ	9900UJ
Pentachlorophenol	(ug/kg)	640J	930J	690000J
Phenanthrene	(ug/kg)	400J	480J	570J
Anthracene	(ug/kg)	9800UJ	9200UJ	9900UJ
Carbazole	(ug/kg)	9800UJ	9200UJ	9900UJ
Di-n-butylphthalate	(ug/kg)	9800UJ	9200UJ	9900UJ
Fluoranthene	(ug/kg)	480J	550J	9900UJ
Pyrene	(ug/kg)	770	960	250J
Butylbenzylphthalate	(ug/kg)	9800UJ	9200UJ	460J
3,3'-Dichlorobenzidine	(ug/kg)	9800UJ	9200UJ	9900UJ

Sediment SVOC Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	VP-001 D02526 04/25/2002 0.25 Primary	VP-001 D02527 04/25/2002 0.25 Duplicate 1	VP-002 D02528 04/25/2002 0.25 Primary
Benzo(a)anthracene	(ug/kg)	390J	400	400UJ
Chrysene	(ug/kg)	320J	360J	600UJ
bis(2-Ethylhexyl) phthalate	(ug/kg)	9800UJ	9200UJ	9900UJ
Di-n-octylphthalate	(ug/kg)	9800UJ	9200UJ	370J
Benzo(b)fluoranthene	(ug/kg)	510J	540J	400UJ
Benzo(k)fluoranthene	(ug/kg)	340J	350J	400UJ
Benzo(a)pyrene	(ug/kg)	400UJ	370UJ	400UJ
Indeno(1,2,3-cd)pyrene	(ug/kg)	3900UJ	3700UJ	4000UJ
Dibenz(a,h) anthracene	(ug/kg)	890UJ	820UJ	890UJ
Benzo(g,h,i)perylene	(ug/kg)	3900UJ	3700UJ	4000UJ

Appendix X
Sediment Metals/Cyanide Results

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FPS 10/16/1998 0.13 Primary	RRFP 10/16/1998 0.13 Primary	RRHP01 RRHP01 10/16/1998 0.12 Primary	RRHP02 RRHP02 10/16/1998 0.12 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.25	0.25	0.25	0.25
Aluminum	(mg/kg)	3570	3020	3930	3750
Antimony	(mg/kg)	0.95U	0.97U	0.90U	1.1U
Arsenic	(mg/kg)	0.57U	0.58U	9.20	0.68U
Barium	(mg/kg)	12.7	15.9	22.30	21.20
Beryllium	(mg/kg)	0.63	0.71	0.77	0.64
Cadmium	(mg/kg)	0.45	0.48	0.63	0.54
Calcium	(mg/kg)	0.45	0.48	949	1600
Chromium(total)	(mg/kg)	8	4.1	20.70	8.10
Cobalt	(mg/kg)	2.7	2.5	3.00	3.50
Copper	(mg/kg)	4.4	6.2	27.40	15.30
Iron	(mg/kg)	7270	8480	9700	6890
Lead	(mg/kg)	11.4	14.5	23.40	37.30
Magnesium	(mg/kg)	1840	1220	1830	1350
Manganese	(mg/kg)	150	161	153	128
Mercury	(mg/kg)	0.051U	0.042U	0.061U	0.057U
Nickel	(mg/kg)	8.3	3.6	9.10	5.90
Potassium	(mg/kg)	141	156	210	164
Selenium	(mg/kg)	0.38U	1.1U	0.72U	0.91U
Silver	(mg/kg)	0.19U	0.19U	0.32	0.23U
Sodium	(mg/kg)	39.8	49.3	127	114
Thallium	(mg/kg)	1.1U	1.2U	1.1U	1.40
Vanadium	(mg/kg)	8.8	8.8	9.30	11.00
Zinc	(mg/kg)	35.7	35.4	54.30	43.50
Cyanide	(mg/kg)				

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RRHP03 RRHP03-S 10/16/1998 0.12 Primary	RRKP-S 10/16/1998 0.13 Primary	RRUS-S 10/16/1998 0.13 Primary	RRUS-S RRUS-2S 10/16/1998 0.13 Duplicate 1
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.25	0.25	0.25	0.25
Aluminum	(mg/kg)	3220	2480	3880	4060
Antimony	(mg/kg)	0.94U	1.1U	1.2U	1.4U
Arsenic	(mg/kg)	17	0.7	5.5	5.4
Barium	(mg/kg)	16.5	17.4	5.5	77.8
Beryllium	(mg/kg)	0.7	0.79	0.26	0.28
Cadmium	(mg/kg)	0.44	0.74	1.8	1.7
Calcium	(mg/kg)	1560	928	1.8	1.7
Chromium(total)	(mg/kg)	8.4	5.7	16.4	12.8
Cobalt	(mg/kg)	3.2	2	3.8	3.5
Copper	(mg/kg)	8.9	8.2	30.3	30.8
Iron	(mg/kg)	8100	7680	10200	10800
Lead	(mg/kg)	13.2	27.2	10200	10800
Magnesium	(mg/kg)	1500	1010	1860	2130
Manganese	(mg/kg)	201	186	229	279
Mercury	(mg/kg)	0.037U	0.06U	1.6	0.35
Nickel	(mg/kg)	8.1	3.8	12.4	10.4
Potassium	(mg/kg)	157	139	256	259
Selenium	(mg/kg)	1.4U	1U	1.7U	1.8U
Silver	(mg/kg)	0.97	0.22	0.23U	0.28U
Sodium	(mg/kg)	77.1	52.5	247	306
Thallium	(mg/kg)	1.1U	1.3U	1.4U	1.6U
Vanadium	(mg/kg)	7.8	9.9	22.2	23.2
Zinc	(mg/kg)	59.6	40.3	22.2	23.2
Cyanide	(mg/kg)				

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-001	SD-001	SD-002	SD-003
	SAMPLE ID	D01917	D01918	D01919	D01921
	DATE	11/05/2001	11/05/2001	11/05/2001	11/08/2001
	DEPTH (ft)	0.25	0.75	0.13	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.00
Ending Depth	(feet)	0.50	1.00	0.25	0.50
Aluminum	(mg/kg)	2940	3360	1600	3650
Antimony	(mg/kg)	0.15J	0.12J	0.13J	2J
Arsenic	(mg/kg)	3.1	2.1	1	2.1
Barium	(mg/kg)	22.9	27.4	19.5	53
Beryllium	(mg/kg)	0.41	0.28	0.15	0.49
Cadmium	(mg/kg)	0.22	0.15	0.12	0.67J
Calcium	(mg/kg)	874EB	1150EB	797EB	1840
Chromium(total)	(mg/kg)	6.1	11.2	5.6	49
Cobalt	(mg/kg)	2.3	3.2	2.4	2.1
Copper	(mg/kg)	9.6	16.1	12.5	44.9
Iron	(mg/kg)	12600	14400	9500	3790
Lead	(mg/kg)	106	85.8	171	66.1
Magnesium	(mg/kg)	891	1300	726	820
Manganese	(mg/kg)	225	332	274	71.8
Mercury	(mg/kg)	0.01J	0.01J	0.01U	0.02J
Nickel	(mg/kg)	5	9.7	4.8	4.7J
Potassium	(mg/kg)	160	251	220	123
Selenium	(mg/kg)	0.42U	0.45U	0.45U	0.68J
Silver	(mg/kg)	0.12	0.11	0.05	0.06J
Sodium	(mg/kg)	61.2	55.7	40.6J	91.3
Thallium	(mg/kg)	0.02U	0.02U	0.02J	0.09UJ
Vanadium	(mg/kg)	12.7	13.9	4.5	14.1
Zinc	(mg/kg)	62.2J	69.9J	37J	37.6
Cyanide	(mg/kg)	0.43U	0.39U	0.42U	0.46U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-003	SD-004	SD-004	SD-005
		SAMPLE ID	D01922	D01923	D01924	D01926
		DATE	11/08/2001	11/06/2001	11/06/2001	11/06/2001
		DEPTH (ft)	1.17	0.25	0.79	0.83
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.50	0.00	0.50	0.50
Ending Depth	(feet)		1.83	0.50	1.08	1.17
Aluminum	(mg/kg)		4110	3940	4420	3090
Antimony	(mg/kg)		R	R	R	R
Arsenic	(mg/kg)		1.2	0.95	0.64	0.55
Barium	(mg/kg)		17.4	18.5	18.2	14.4
Beryllium	(mg/kg)		0.26	0.29	0.24	0.23
Cadmium	(mg/kg)		0.11	0.12	0.08	0.24
Calcium	(mg/kg)		1320EB	1380EB	1510EB	849EB
Chromium(total)	(mg/kg)		11.4	10.2	10.2	7.8
Cobalt	(mg/kg)		3.8	4.2	3.5	2.2
Copper	(mg/kg)		7.7	8.2	8.7	11.4
Iron	(mg/kg)		6780	6140	6670	7960
Lead	(mg/kg)		6.5	6	5.8	26.9
Magnesium	(mg/kg)		2010	1730	1850	1090
Manganese	(mg/kg)		103	99.6	94.8	129
Mercury	(mg/kg)		0.01U	0.01U	0.01U	0.03
Nickel	(mg/kg)		6.4	7.4	6.5	3.8
Potassium	(mg/kg)		369	422	459	204
Selenium	(mg/kg)		0.46U	0.43U	0.43U	0.43U
Silver	(mg/kg)		0.05	0.06	0.05	0.23
Sodium	(mg/kg)		44.3J	59.4	60.9	63
Thallium	(mg/kg)		0.09U	0.09U	0.08U	0.02J
Vanadium	(mg/kg)		19.1	18.2	19.6	8.9
Zinc	(mg/kg)		32.6J	25.7J	27.6J	36.4J
Cyanide	(mg/kg)		0.28U	0.42U	0.42U	0.42U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-005	SD-006	SD-006	SD-007
		SAMPLE ID	D01990	D01927	D01928	D01929
		DATE	11/06/2001	11/07/2001	11/07/2001	11/07/2001
		DEPTH (ft)	0.25	0.25	0.75	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.50	0.00
Ending Depth	(feet)		0.50	0.50	1.00	0.50
Aluminum	(mg/kg)		2400	2020	3200	3670
Antimony	(mg/kg)		R	R	R	0.15J
Arsenic	(mg/kg)		0.77	0.21	0.18J	1.3
Barium	(mg/kg)		13.8	11.2	12.3	22.6
Beryllium	(mg/kg)		0.29	0.19	0.17	0.35
Cadmium	(mg/kg)		0.17	0.1	0.07	0.54
Calcium	(mg/kg)		803EB	925EB	1470EB	1450EB
Chromium(total)	(mg/kg)		5.7	3.1	11.5	11.4
Cobalt	(mg/kg)		2	1.9	2.9	2.9
Copper	(mg/kg)		9.5	2.1	4.5	13.2
Iron	(mg/kg)		4900	2740	4950	5590
Lead	(mg/kg)		34.1	5.9	5.2	16.6
Magnesium	(mg/kg)		873	921	1650	1290
Manganese	(mg/kg)		146	52.6	73.3	103
Mercury	(mg/kg)		0.03	0.01U	0.01U	0.04
Nickel	(mg/kg)		3.1	3.7	5.6	7
Potassium	(mg/kg)		119	125	181	211
Selenium	(mg/kg)		0.46U	0.42U	0.45U	0.45U
Silver	(mg/kg)		0.29	0.04	0.03J	0.48
Sodium	(mg/kg)		71.7	83.8	69.9	66.6
Thallium	(mg/kg)		0.02J	0.02J	0.02J	0.09U
Vanadium	(mg/kg)		7.4	6.1	13.1	15.2
Zinc	(mg/kg)		26.5J	15.6J	19.7J	36J
Cyanide	(mg/kg)		0.40U	0.31U	0.30U	0.35U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-007	SD-008	SD-008	SD-009
		SAMPLE ID	D01930	D01931	D01932	D01933
		DATE	11/07/2001	11/08/2001	11/08/2001	11/08/2001
		DEPTH (ft)	1.00	0.25	1.25	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.50	0.00	0.50	0.00
Ending Depth	(feet)		1.50	0.50	2.00	0.50
Aluminum	(mg/kg)		4420	4910	4430	3520
Antimony	(mg/kg)		R	4.3J	R	0.73J
Arsenic	(mg/kg)		1	4	0.95	20.5
Barium	(mg/kg)		19.3	57.3	19.6	22
Beryllium	(mg/kg)		0.28	0.82	0.29	0.24
Cadmium	(mg/kg)		0.16	1.5J	0.12	0.18
Calcium	(mg/kg)		1590EB	2840	1610EB	934EB
Chromium(total)	(mg/kg)		12.7	29.8	13.1	9.7
Cobalt	(mg/kg)		3.8	6.2	3.9	3.2
Copper	(mg/kg)		9.2	73.1	11.4	16.6
Iron	(mg/kg)		6780	7670	7420	7840
Lead	(mg/kg)		7	65.9	6.8	32.8
Magnesium	(mg/kg)		1910	767	2130	1630
Manganese	(mg/kg)		98.3	89.2	101	161
Mercury	(mg/kg)		0.01J	0.01U	0.01U	0.06
Nickel	(mg/kg)		7.2	10.9J	7.7	14.7
Potassium	(mg/kg)		422	116	420	214
Selenium	(mg/kg)		0.48U	1.8	0.43U	0.44U
Silver	(mg/kg)		0.13	0.24J	0.05	2.1
Sodium	(mg/kg)		68.4	175	101	36.8J
Thallium	(mg/kg)		0.09U	0.11J	0.09U	0.03J
Vanadium	(mg/kg)		20.5	18.8	21	9.3
Zinc	(mg/kg)		30.8J	88.8	35.3J	39.7J
Cyanide	(mg/kg)		0.33U	0.76U	0.31U	0.29U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-009	SD-009	SD-010	SD-011
		SAMPLE ID	D01991	D01934	D01935	D01937
		DATE	11/08/2001	11/08/2001	11/08/2001	11/09/2001
		DEPTH (ft)	0.25	1.17	0.25	0.25
		RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.00
Ending Depth	(feet)		0.50	1.83	0.50	0.50
Aluminum	(mg/kg)		3990	3050	4780	3430
Antimony	(mg/kg)		0.83J	0.22J	0.43J	0.75J
Arsenic	(mg/kg)		14.9	19.7	4.9	7.8
Barium	(mg/kg)		23.8	21.5	53.8	29.3
Beryllium	(mg/kg)		0.3	0.22	0.2	0.19
Cadmium	(mg/kg)		0.19J	0.05J	0.1J	0.16J
Calcium	(mg/kg)		1180	763	1650	2550
Chromium(total)	(mg/kg)		11.1	5.4	8.3	12.8
Cobalt	(mg/kg)		3.7	2.2	5.2	3.4
Copper	(mg/kg)		20	8.8	13.3	18.1
Iron	(mg/kg)		8680	8870	15800	20400
Lead	(mg/kg)		36.2	15.5	34.4	29.4
Magnesium	(mg/kg)		2030	1200	2600	1840
Manganese	(mg/kg)		157	228	1300	420
Mercury	(mg/kg)		0.03	0.01U	0.01J	0.03
Nickel	(mg/kg)		17.1J	4.1J	8.9J	12.1J
Potassium	(mg/kg)		197	257	267	191
Selenium	(mg/kg)		0.46U	0.46U	0.44U	0.45U
Silver	(mg/kg)		2.3J	0.25J	0.35J	0.81J
Sodium	(mg/kg)		41J	35.9J	61.5	52.7
Thallium	(mg/kg)		0.03J	0.09UJ	0.03J	0.03J
Vanadium	(mg/kg)		13.4	6.9	15.1	11.6
Zinc	(mg/kg)		42.8	25.9	55.5	64.1
Cyanide	(mg/kg)		0.32U	0.32U	0.29U	0.21U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-012	SD-013	SD-013	SD-013
		SAMPLE ID	D01939	D01941	D01942	D01992
		DATE	11/09/2001	11/09/2001	11/09/2001	11/09/2001
		DEPTH (ft)	0.25	0.25	1.25	1.25
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Starting Depth	(feet)		0.00	0.00	0.50	0.50
Ending Depth	(feet)		0.50	0.50	2.00	2.00
Aluminum	(mg/kg)		4250	5680	5830	4660
Antimony	(mg/kg)		0.6J	1.3J	0.37J	0.26J
Arsenic	(mg/kg)		3.2	3.4	2.2	1.7
Barium	(mg/kg)		50.8	46.2	30.4	26.4
Beryllium	(mg/kg)		0.19	0.46	0.29	0.27
Cadmium	(mg/kg)		0.3J	0.69J	0.26J	0.19J
Calcium	(mg/kg)		2740	5170	1720	1430
Chromium(total)	(mg/kg)		12.5	15.5	9.4	8.2
Cobalt	(mg/kg)		3.7	5.4	4.1	2.9
Copper	(mg/kg)		13.6	26.8	14.3	11.5
Iron	(mg/kg)		11200	10800	10400	8240
Lead	(mg/kg)		16	38.1	35.7	29.2
Magnesium	(mg/kg)		2200	1400	1880	1170
Manganese	(mg/kg)		822	379	225	191
Mercury	(mg/kg)		0.02J	0.01U	0.01U	0.03
Nickel	(mg/kg)		19.9J	10.4J	6.9J	5.2J
Potassium	(mg/kg)		221	289	272	180
Selenium	(mg/kg)		0.43U	0.77J	0.41U	0.41U
Silver	(mg/kg)		1.4J	1.6J	0.35J	0.21J
Sodium	(mg/kg)		76.9	246	92	77.4
Thallium	(mg/kg)		0.03J	0.09UJ	0.08UJ	0.08UJ
Vanadium	(mg/kg)		12.1	16.3	14.2	11.7
Zinc	(mg/kg)		55.6	76.4	70	47.8
Cyanide	(mg/kg)		0.27U	0.59U	0.34U	0.34U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-014	SD-014	SD-015	SD-015
		SAMPLE ID	D01943	D01944	D01945	D01946
		DATE	11/09/2001	11/09/2001	11/07/2001	11/07/2001
		DEPTH (ft)	0.25	1.25	0.25	1.08
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.50
Ending Depth	(feet)		0.50	2.00	0.50	1.67
Aluminum	(mg/kg)		2750	3340	2360	3410
Antimony	(mg/kg)		0.08J	0.12J	0.29J	R
Arsenic	(mg/kg)		0.57	0.7	1	0.45
Barium	(mg/kg)		63.4	17.3	12.2	12.4
Beryllium	(mg/kg)		0.15	0.39	0.17	0.19
Cadmium	(mg/kg)		0.09J	0.13J	0.28	0.1
Calcium	(mg/kg)		1530	1040	998EB	1070EB
Chromium(total)	(mg/kg)		7.5	5.4	6.2	9.1
Cobalt	(mg/kg)		2.7	1.9	2.5	2.6
Copper	(mg/kg)		8.2	6.6	7.9	6.4
Iron	(mg/kg)		7370	4490	3210	4000
Lead	(mg/kg)		35.7	23.4	9.6	4.8
Magnesium	(mg/kg)		1430	1420	1000	1300
Manganese	(mg/kg)		1070	127	58.8	68.3
Mercury	(mg/kg)		0.02	0.02	0.03	0.01U
Nickel	(mg/kg)		4.5J	6.5J	6.1	4.6
Potassium	(mg/kg)		171	142	160	304
Selenium	(mg/kg)		0.41U	0.44U	0.41U	0.44U
Silver	(mg/kg)		0.04J	0.17J	1.8	0.25
Sodium	(mg/kg)		56.9	53.9	39.9J	42.7J
Thallium	(mg/kg)		0.08UJ	0.09UJ	0.03J	0.09U
Vanadium	(mg/kg)		10.4	8.7	9	15.6
Zinc	(mg/kg)		40	29.9	28.5J	22.2J
Cyanide	(mg/kg)		0.35U	0.32U	0.31U	0.29U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-016	SD-016	SD-017	SD-017
		SAMPLE ID	D01947	D01948	D01949	D01950
		DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
		DEPTH (ft)	0.25	1.25	0.25	0.88
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.50
Ending Depth	(feet)		0.50	2.00	0.50	1.25
Aluminum	(mg/kg)		2830	5360	2640	3080
Antimony	(mg/kg)		0.09UJ	0.09UJ	2.4J	2J
Arsenic	(mg/kg)		0.29	1.1	0.94	1.1
Barium	(mg/kg)		22.1	26.9	31.3	25.2
Beryllium	(mg/kg)		0.19	0.28	0.15	0.16
Cadmium	(mg/kg)		0.05J	0.13J	0.24J	0.18J
Calcium	(mg/kg)		710	1400	1080	1130
Chromium(total)	(mg/kg)		5.6	13.1	9.5	7.3
Cobalt	(mg/kg)		1.9	4.9	3.1	4
Copper	(mg/kg)		3.8	10.9	10.4	9.2
Iron	(mg/kg)		3850	7980	6730	6650
Lead	(mg/kg)		6.8	6.7	46.5	15.4
Magnesium	(mg/kg)		1030	2260	983	1410
Manganese	(mg/kg)		134	101	319	243
Mercury	(mg/kg)		0.01U	0.01U	0.05	0.03
Nickel	(mg/kg)		3J	8.8J	4.5J	4.4J
Potassium	(mg/kg)		117	454	119	139
Selenium	(mg/kg)		0.46U	0.45U	0.49U	0.48U
Silver	(mg/kg)		0.08J	0.04J	0.66J	0.76J
Sodium	(mg/kg)		69.2	97.3	75.2	68.6
Thallium	(mg/kg)		0.09UJ	0.1J	0.10UJ	0.10UJ
Vanadium	(mg/kg)		10.1	24.3	8.3	10
Zinc	(mg/kg)		14	31.8	40.5	37.4
Cyanide	(mg/kg)		0.27U	0.29U	0.26U	0.31U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-018	SD-018	SD-019	SD-019
	SAMPLE ID	D01951	D01952	D01953	D01954
	DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
	DEPTH (ft)	0.25	1.25	0.25	1.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	2.00	0.50	1.50
Aluminum	(mg/kg)	6140	4330	8360	8580
Antimony	(mg/kg)	1.9J	0.33J	R	R
Arsenic	(mg/kg)	8.5	0.95	0.76	0.82
Barium	(mg/kg)	77.1	35J	39.1J	33.9J
Beryllium	(mg/kg)	0.4	0.22	0.31	0.26
Cadmium	(mg/kg)	0.86J	0.49J	0.1J	0.07J
Calcium	(mg/kg)	1430	932EB	1310EB	1660EB
Chromium(total)	(mg/kg)	23.8	10.1	9	8.6
Cobalt	(mg/kg)	6.9	4.6	3.5	3.7
Copper	(mg/kg)	86.9	37.8	8.5	8
Iron	(mg/kg)	22800	9570	12600	13200
Lead	(mg/kg)	144	48.3	60.6	18.8
Magnesium	(mg/kg)	1410	1240	1950	2390
Manganese	(mg/kg)	606	194	302	234
Mercury	(mg/kg)	0.01U	0.03	0.03	0.01J
Nickel	(mg/kg)	20.5J	6.9	7.3	6.7
Potassium	(mg/kg)	139	263	320	270
Selenium	(mg/kg)	0.43U	0.46U	0.47U	0.45U
Silver	(mg/kg)	8.9J	0.41	0.08	0.05
Sodium	(mg/kg)	93.5	60.5	84.3	70.2
Thallium	(mg/kg)	0.04J	0.06	0.03J	0.03J
Vanadium	(mg/kg)	24.3	12.5J	17.9J	19.2J
Zinc	(mg/kg)	188	73.5J	61.1J	49.4J
Cyanide	(mg/kg)	0.35U	0.29U	0.27U	0.28U

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-020	SD-020	SD-021	SD-022
		SAMPLE ID	D03445	D03446	D03447	D03448
		DATE	11/05/2002	11/05/2002	11/05/2002	11/05/2002
		DEPTH (ft)	0.25	0.25	0.25	0.25
		RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		0.50	0.50	0.50	0.50
Aluminum	(mg/kg)		2500EB	2300EB	6800EB	12000EB
Antimony	(mg/kg)		0.61UJ	0.86UJ	4.1J	18J
Arsenic	(mg/kg)		0.98J	0.87J	5.5J	12J
Barium	(mg/kg)		32J	28J	93J	100J
Beryllium	(mg/kg)		0.33J	0.3J	1.1	1.8
Cadmium	(mg/kg)		0.14J	0.15J	1.3J	6.8J
Calcium	(mg/kg)		1100J	930J	3000	6000
Chromium(total)	(mg/kg)		11J	9.5J	65J	330J
Cobalt	(mg/kg)		1.8J	1.7J	4.1J	12J
Copper	(mg/kg)		14J	11J	97J	270J
Iron	(mg/kg)		4300	4400	5600	21000
Lead	(mg/kg)		42	36	180	210
Magnesium	(mg/kg)		830J	800J	810J	930J
Manganese	(mg/kg)		81JEB	78JEB	77JEB	320JEB
Mercury	(mg/kg)		0.097	0.11	0.74	1.5
Nickel	(mg/kg)		3.7JEB	3.1JEB	12JEB	26JEB
Potassium	(mg/kg)		130UJ	140UJ	280J	300UJ
Selenium	(mg/kg)		0.53J	0.37J	2.2	3.9
Silver	(mg/kg)		0.059UJ	0.046UJ	0.47UJ	0.88UJ
Sodium	(mg/kg)		140UJ	120UJ	400J	630J
Thallium	(mg/kg)		0.05J	0.017J	0.15J	0.32J
Vanadium	(mg/kg)		8.4J	7.7J	30J	37J
Zinc	(mg/kg)		28J	27J	120J	990J
Cyanide	(mg/kg)					

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-023	SD-024	SD-024	SD-025
		SAMPLE ID	D04221	D04222	D04227	D04223
		DATE	10/27/2003	10/28/2003	10/28/2003	10/28/2003
		DEPTH (ft)	0.25	0.25	0.25	0.25
		RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		0.50	0.50	0.50	0.50
Aluminum	(mg/kg)		6600	14000	12000	12000
Antimony	(mg/kg)		1.2N	4.1N	4.1N	4N
Arsenic	(mg/kg)		7.4*	27*	25*	19*
Barium	(mg/kg)		76J	240	220	220
Beryllium	(mg/kg)		0.69J	2.6	2.4	2.3
Cadmium	(mg/kg)		3.2	10	8.8	8.2
Calcium	(mg/kg)		2300	5600	5100	4500
Chromium(total)	(mg/kg)		24	68	60	55
Cobalt	(mg/kg)		8J	23	21	21
Copper	(mg/kg)		52	150	130	120
Iron	(mg/kg)		14000	31000	28000	25000
Lead	(mg/kg)		120E	440E	410E	300E
Magnesium	(mg/kg)		1600	2600	2400	2200
Manganese	(mg/kg)		560	1800	1600	1500
Mercury	(mg/kg)		0.22E	0.22E	0.21E	0.014E
Nickel	(mg/kg)		34	40	37	33
Potassium	(mg/kg)		380JE	730JE	1UE	680JE
Selenium	(mg/kg)		0.68J	2.6	2.1	2
Silver	(mg/kg)		5.1	12	11	11
Sodium	(mg/kg)		210J	820J	740J	630J
Thallium	(mg/kg)		0.098J	0.26J	0.23J	0.21J
Vanadium	(mg/kg)		19	57	46	44
Zinc	(mg/kg)		270	630	550	480
Cyanide	(mg/kg)					

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-026	SD-027	VP-001	VP-001
		SAMPLE ID	D04224	D04225	D02526	D02527
		DATE	10/27/2003	10/27/2003	04/25/2002	04/25/2002
		DEPTH (ft)	0.25	0.25	0.25	0.25
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		0.50	0.50	0.50	0.50
Aluminum	(mg/kg)		3400	3200	5320	3480
Antimony	(mg/kg)		1N	2.1N	3.1J	1.8J
Arsenic	(mg/kg)		65*	1.9*	1.9	1.2
Barium	(mg/kg)		41	52J	101	65.9
Beryllium	(mg/kg)		0.36J	0.33J	3J	2J
Cadmium	(mg/kg)		0.13J	0.33J	1.3	0.88
Calcium	(mg/kg)		880	1600	4520	2740
Chromium(total)	(mg/kg)		9.4	14	9.1	6
Cobalt	(mg/kg)		2.9J	3J	5.9	3.9
Copper	(mg/kg)		12	13	44.8	29
Iron	(mg/kg)		14000	8900	2160	1400
Lead	(mg/kg)		52E	25E	129	78.7
Magnesium	(mg/kg)		1400	680J	451	282
Manganese	(mg/kg)		360	1100	18.1	11.5
Mercury	(mg/kg)		0.071E	0.13E	0.01	0.005U
Nickel	(mg/kg)		7.6	3.6J	16.8	10.8
Potassium	(mg/kg)		280JE	150JE	236	157
Selenium	(mg/kg)		0.16J	0.5J	4	2.8
Silver	(mg/kg)		0.93J	2.3	0.02U	0.02J
Sodium	(mg/kg)		64J	140J	163	110
Thallium	(mg/kg)		0.035J	0.034J	0.4U	0.38U
Vanadium	(mg/kg)		8.8	9.1J	38.3	24.1
Zinc	(mg/kg)		46	42	55.9	37.6
Cyanide	(mg/kg)					

Sediment Metals/Cyanide Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE: VP-002 SAMPLE ID: D02528 DATE: 04/25/2002 DEPTH (ft): 0.25 RESULT TYPE: Primary
Starting Depth	(feet)	0.00
Ending Depth	(feet)	0.50
Aluminum	(mg/kg)	5150
Antimony	(mg/kg)	0.36J
Arsenic	(mg/kg)	0.88
Barium	(mg/kg)	28
Beryllium	(mg/kg)	1.5J
Cadmium	(mg/kg)	0.96
Calcium	(mg/kg)	3030
Chromium(total)	(mg/kg)	20.1
Cobalt	(mg/kg)	3
Copper	(mg/kg)	16
Iron	(mg/kg)	8780
Lead	(mg/kg)	17
Magnesium	(mg/kg)	525
Manganese	(mg/kg)	246
Mercury	(mg/kg)	0.07
Nickel	(mg/kg)	6.6
Potassium	(mg/kg)	89.8
Selenium	(mg/kg)	3.4
Silver	(mg/kg)	0.07
Sodium	(mg/kg)	82
Thallium	(mg/kg)	0.32U
Vanadium	(mg/kg)	9.6
Zinc	(mg/kg)	22.8
Cyanide	(mg/kg)	

Appendix Y
Sediment AVS/SEM Results

Sediment AVS/SEM Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-009 D01933 11/08/2001 0.25 Primary	SD-009 D01991 11/08/2001 0.25 Duplicate 1	SD-011 D01937 11/09/2001 0.25 Primary	SD-015 D01945 11/07/2001 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50	0.50
Cadmium	(umo/g)	0.0014U	0.0014J	0.0013U	0.0028J
Chromium	(umo/g)	0.087J	0.043J	0.074J	0.012J
Copper	(umo/g)	0.15	0.15	0.22	0.059
Lead	(umo/g)	0.18	0.13	0.099	0.035
Nickel	(umo/g)	0.098	0.060	0.061	0.025
Mercury	(umo/g)	R	R	R	R
Zinc	(umo/g)	0.28	0.28	0.45	0.24
Sulfide	(umo/g)	1J	0.73J	1.1J	0.13J
SEM/AVS Ratio		0.795J	0.910J	0.822J	2.88J

Sediment AVS/SEM Results

ONSITE

VP STREAM

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-026 D04224 10/27/2003 0.25 Primary	SD-026 D04228 10/27/2003 0.25 Duplicate 1	SD-027 D04225 10/27/2003 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00
Ending Depth	(feet)	0.50	0.50	0.50
Cadmium	(umo/g)	0.0016J	0.0014J	0.0028J
Chromium	(umo/g)			
Copper	(umo/g)	0.15J	0.14J	0.13J
Lead	(umo/g)	0.25	0.18	0.11
Nickel	(umo/g)	0.058J	0.049J	0.029J
Mercury	(umo/g)			
Zinc	(umo/g)	0.33J	0.33J	0.42J
Sulfide	(umo/g)	0.085J	0.1J	0.084J
SEM/AVS Ratio		9.29J	7.00J	8.24J

Appendix Z
Sediment Pesticide/PCB Results

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FPS 10/16/1998 0.13 Primary	RRHP03 10/16/1998 0.12 Primary	RRUS-S 10/16/1998 0.13 Primary	RRUS-S RRUS-2S 10/16/1998 0.13 Duplicate 1
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.25	0.25	0.25	0.25
4,4'-DDD	(ug/kg)	3.6U	19U	180	180
4,4'-DDE	(ug/kg)	3.6U	19U	51	51
4,4'-DDT	(ug/kg)	3.6U	19U	14	7.8
Aldrin	(ug/kg)	1.9U	9.8U	2.9U	2.9U
alpha-BHC	(ug/kg)	1.9U	9.8U	2.9U	2.9U
alpha-Chlordane	(ug/kg)	1.9U	9.8U	2.9U	2.9U
beta-BHC	(ug/kg)	1.9U	9.8U	2.9U	2.9U
delta-BHC	(ug/kg)	1.9U	9.8U	2.9U	2.9U
Dieldrin	(ug/kg)	3.6U	19U	5.7U	5.7U
Endosulfan I	(ug/kg)	1.9U		2.9U	2.9U
Endosulfan II	(ug/kg)	3.6U	19U	5.7U	5.7U
Endosulfan sulfate	(ug/kg)		13	5.7U	5.7U
Endrin	(ug/kg)	3.6U	19U	5.7U	5.7U
Endrin aldehyde	(ug/kg)	3.6U	19U	5.7U	5.7U
Endrin ketone	(ug/kg)	3.6U	19U	5.7U	5.7U
gamma-BHC (Lindane)	(ug/kg)	1.9U	9.8U	2.9U	2.9U
gamma-Chlordane	(ug/kg)	1.9U	9.8U	2.9U	2.9U
Heptachlor	(ug/kg)	1.9U	9.8U	2.9U	2.9U
Heptachlor epoxide	(ug/kg)	1.9U	9.8U	2.9U	2.9U
Methoxychlor	(ug/kg)	19U	98U	29U	29U
Toxaphene	(ug/kg)	190U	980U	290U	290U
Aroclor 1016	(ug/kg)	36U	190U	57U	57U
Aroclor 1221	(ug/kg)	74U	380U	120U	120U
Aroclor 1232	(ug/kg)	36U	190U	57U	57U
Aroclor 1242	(ug/kg)	36U	190U	57U	57U
Aroclor 1248	(ug/kg)	36U	190U	57U	57U
Aroclor 1254	(ug/kg)	36U	190U	57U	57U
Aroclor 1260	(ug/kg)	36U	190U	57U	57U

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-001	SD-001	SD-002	SD-003
	SAMPLE ID	D01917	D01918	D01919	D01921
	DATE	11/05/2001	11/05/2001	11/05/2001	11/08/2001
	DEPTH (ft)	0.25	0.75	0.13	0.25
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.00
Ending Depth	(feet)	0.50	1.00	0.25	0.50
4,4'-DDD	(ug/kg)	0.625U	R	0.635U	8.03J
4,4'-DDE	(ug/kg)	0.625U	0.636U	0.635U	9.1J
4,4'-DDT	(ug/kg)	0.625U	2.52J	2.12	6.48U
Aldrin	(ug/kg)	0.312U	0.318U	0.318U	3.25J
alpha-BHC	(ug/kg)	0.312U	0.318U	0.318U	0.324U
alpha-Chlordane	(ug/kg)	0.312U	0.421J	0.318U	2.21J
beta-BHC	(ug/kg)	0.312U	0.318U	0.318U	0.324UJ
delta-BHC	(ug/kg)	0.312U	0.318U	0.318U	0.324U
Dieldrin	(ug/kg)	0.625U	0.636U	0.635U	0.648U
Endosulfan I	(ug/kg)	0.312U	0.318U	0.318U	R
Endosulfan II	(ug/kg)	R	0.636U	0.813J	6.48U
Endosulfan sulfate	(ug/kg)	0.625U	0.636U	0.635U	6.48U
Endrin	(ug/kg)	0.625U	0.636U	0.635U	0.648UJ
Endrin aldehyde	(ug/kg)	0.625U	0.636U	0.635U	0.648U
Endrin ketone	(ug/kg)	0.625U	0.636U	0.635U	0.648U
gamma-BHC (Lindane)	(ug/kg)	0.312U	0.318U	0.318U	0.324U
gamma-Chlordane	(ug/kg)	0.312U	R	R	5.69J
Heptachlor	(ug/kg)	0.312U	0.318U	0.318U	0.324U
Heptachlor epoxide	(ug/kg)	0.312U	0.318U	0.318U	0.324U
Methoxychlor	(ug/kg)	R	8.64J	3.18U	3.24U
Toxaphene	(ug/kg)	31.2U	31.8U	31.8U	32.4U
Aroclor 1016	(ug/kg)	6.25UJ	6.36UJ	6.35UJ	6.48UJ
Aroclor 1221	(ug/kg)	12.5U	12.7U	12.7U	13U
Aroclor 1232	(ug/kg)	6.25U	6.36U	6.35U	6.48U
Aroclor 1242	(ug/kg)	6.25U	6.36U	6.35U	6.48U
Aroclor 1248	(ug/kg)	6.25U	6.36U	6.35U	6.48U
Aroclor 1254	(ug/kg)	6.25U	13.1J	6.35U	34.5J
Aroclor 1260	(ug/kg)	6.25U	6.36U	6.35U	18J

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-003	SD-004	SD-004	SD-005
		SAMPLE ID	D01922	D01923	D01924	D01926
		DATE	11/08/2001	11/06/2001	11/06/2001	11/06/2001
		DEPTH (ft)	1.17	0.25	0.79	0.83
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.50	0.00	0.50	0.50
Ending Depth	(feet)		1.83	0.50	1.08	1.17
4,4'-DDD	(ug/kg)		0.614U	0.61U	0.627U	0.62U
4,4'-DDE	(ug/kg)		0.614U	0.61U	0.627U	1.27
4,4'-DDT	(ug/kg)		0.614U	0.61U	0.627U	2.39J
Aldrin	(ug/kg)		0.307U	0.305U	0.314U	0.31U
alpha-BHC	(ug/kg)		0.307U	0.305U	0.314U	0.31U
alpha-Chlordane	(ug/kg)		0.307U	0.305U	0.314U	0.31U
beta-BHC	(ug/kg)		0.307U	0.305U	0.314U	0.31U
delta-BHC	(ug/kg)		0.307U	0.305U	0.314U	0.31U
Dieldrin	(ug/kg)		0.614U	0.61U	0.627U	0.62U
Endosulfan I	(ug/kg)		0.307U	0.305U	0.314U	0.31U
Endosulfan II	(ug/kg)		0.614U	0.61U	0.627U	0.62U
Endosulfan sulfate	(ug/kg)		0.614U	0.61U	0.627U	0.62U
Endrin	(ug/kg)		0.614UJ	0.61U	0.627U	0.62U
Endrin aldehyde	(ug/kg)		0.614U	0.61U	0.627U	0.62U
Endrin ketone	(ug/kg)		0.614U	0.61U	0.627U	0.62U
gamma-BHC (Lindane)	(ug/kg)		0.307U	0.305U	0.314U	0.31U
gamma-Chlordane	(ug/kg)		0.307U	0.305U	0.314U	0.31U
Heptachlor	(ug/kg)		0.307U	0.305U	0.314U	0.31U
Heptachlor epoxide	(ug/kg)		0.307U	0.305U	0.314U	0.31U
Methoxychlor	(ug/kg)		3.07U	3.05U	3.14U	3.4J
Toxaphene	(ug/kg)		30.7U	30.5U	31.4U	31U
Aroclor 1016	(ug/kg)		6.14UJ	6.09UJ	6.27UJ	6.2UJ
Aroclor 1221	(ug/kg)		12.3U	12.2U	12.5U	12.4U
Aroclor 1232	(ug/kg)		6.14U	6.09U	6.27U	6.2U
Aroclor 1242	(ug/kg)		6.14U	6.09U	6.27U	6.2U
Aroclor 1248	(ug/kg)		6.14U	6.09U	6.27U	6.2U
Aroclor 1254	(ug/kg)		6.14U	6.09U	6.27U	6.2U
Aroclor 1260	(ug/kg)		6.14U	6.09UJ	6.27U	6.86J

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-005	SD-006	SD-006	SD-007
		SAMPLE ID	D01990	D01927	D01928	D01929
		DATE	11/06/2001	11/07/2001	11/07/2001	11/07/2001
		DEPTH (ft)	0.25	0.25	0.75	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.50	0.00
Ending Depth	(feet)		0.50	0.50	1.00	0.50
4,4'-DDD	(ug/kg)		1.47J	0.651U	0.628U	0.661U
4,4'-DDE	(ug/kg)		1.46	0.729J	0.628U	2.25J
4,4'-DDT	(ug/kg)		3.41J	0.651U	0.628U	0.877J
Aldrin	(ug/kg)		0.316U	0.325U	0.314U	0.331U
alpha-BHC	(ug/kg)		0.316U	0.325U	0.314U	0.331U
alpha-Chlordane	(ug/kg)		0.361	0.325U	0.314U	0.331U
beta-BHC	(ug/kg)		0.316U	0.325U	0.314U	0.331U
delta-BHC	(ug/kg)		0.316U	0.325U	0.314U	0.331U
Dieldrin	(ug/kg)		0.632U	0.651U	0.628U	1.16J
Endosulfan I	(ug/kg)		0.316U	0.325U	0.314U	0.331U
Endosulfan II	(ug/kg)		0.632U	0.651U	0.628U	0.661U
Endosulfan sulfate	(ug/kg)		0.632U	0.651U	0.628U	0.661U
Endrin	(ug/kg)		0.632U	0.651UJ	0.628U	0.661U
Endrin aldehyde	(ug/kg)		0.632U	0.651U	0.628U	0.661U
Endrin ketone	(ug/kg)		0.632U	0.651U	0.628U	0.661U
gamma-BHC (Lindane)	(ug/kg)		0.316U	0.325U	0.314U	0.331U
gamma-Chlordane	(ug/kg)		R	0.325U	0.314U	0.331U
Heptachlor	(ug/kg)		0.316U	0.325U	0.314U	0.331U
Heptachlor epoxide	(ug/kg)		0.316U	0.325U	0.314U	0.331U
Methoxychlor	(ug/kg)		4.84J	3.25U	3.14U	3.31U
Toxaphene	(ug/kg)		31.6U	32.5U	31.4U	33.1U
Aroclor 1016	(ug/kg)		6.32UJ	6.5UJ	6.28UJ	6.61UJ
Aroclor 1221	(ug/kg)		12.6U	13U	12.6U	13.2U
Aroclor 1232	(ug/kg)		6.32U	6.5U	6.28U	6.61U
Aroclor 1242	(ug/kg)		6.32U	6.5U	6.28U	6.61U
Aroclor 1248	(ug/kg)		6.32U	6.5U	6.28U	6.61U
Aroclor 1254	(ug/kg)		6.32U	6.5U	6.28U	12.1
Aroclor 1260	(ug/kg)		13	6.5U	6.28U	6.61U

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-007 D01930 11/07/2001 1.00 Primary	SD-008 D01931 11/08/2001 0.25 Primary	SD-008 D01932 11/08/2001 1.25 Primary	SD-009 D01933 11/08/2001 0.25 Primary
Starting Depth	(feet)	0.50	0.00	0.50	0.00
Ending Depth	(feet)	1.50	0.50	2.00	0.50
4,4'-DDD	(ug/kg)	0.637U	6.87J	0.654U	7.09J
4,4'-DDE	(ug/kg)	0.637U	9.27J	0.654U	R
4,4'-DDT	(ug/kg)	0.637U	3.67J	0.654U	0.654U
Aldrin	(ug/kg)	0.319U	1.82J	0.327U	0.327U
alpha-BHC	(ug/kg)	0.319U	0.332U	0.327U	0.327U
alpha-Chlordane	(ug/kg)	0.319U	R	0.348J	R
beta-BHC	(ug/kg)	0.319U	0.332U	0.327U	0.327U
delta-BHC	(ug/kg)	0.319U	0.332U	0.327U	0.327U
Dieldrin	(ug/kg)	0.637U	0.664U	0.654U	0.654U
Endosulfan I	(ug/kg)	0.319U	R	0.327U	0.327U
Endosulfan II	(ug/kg)	0.637U	0.664U	0.654U	0.654U
Endosulfan sulfate	(ug/kg)	0.637U	0.664U	0.654U	R
Endrin	(ug/kg)	0.637U	0.664UJ	0.654UJ	40.3J
Endrin aldehyde	(ug/kg)	0.637U	0.664U	0.654U	R
Endrin ketone	(ug/kg)	0.637U	0.664U	0.654U	0.654U
gamma-BHC (Lindane)	(ug/kg)	0.319U	0.332U	0.327U	0.327U
gamma-Chlordane	(ug/kg)	0.319U	R	0.327U	R
Heptachlor	(ug/kg)	0.319U	0.332U	0.327U	0.327U
Heptachlor epoxide	(ug/kg)	0.319U	0.332U	0.327U	R
Methoxychlor	(ug/kg)	3.19U	3.32U	3.27U	5.16J
Toxaphene	(ug/kg)	31.9U	33.2U	32.7U	32.7U
Aroclor 1016	(ug/kg)	6.37UJ	6.64UJ	6.55UJ	6.54UJ
Aroclor 1221	(ug/kg)	12.7U	13.3U	13.1U	13.1U
Aroclor 1232	(ug/kg)	6.37U	6.64U	6.55U	6.54U
Aroclor 1242	(ug/kg)	6.37U	6.64U	6.55U	6.54U
Aroclor 1248	(ug/kg)	6.37U	6.64U	6.55U	6.54U
Aroclor 1254	(ug/kg)	6.37U	23.6J	6.55U	6.54U
Aroclor 1260	(ug/kg)	6.37U	17.3J	6.55U	6.54U

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-009	SD-009	SD-010	SD-011
		SAMPLE ID	D01991	D01934	D01935	D01937
		DATE	11/08/2001	11/08/2001	11/08/2001	11/09/2001
		DEPTH (ft)	0.25	1.17	0.25	0.25
		RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.00
Ending Depth	(feet)		0.50	1.83	0.50	0.50
4,4'-DDD	(ug/kg)		6.94J	0.663U	0.623U	R
4,4'-DDE	(ug/kg)		R	0.663U	0.623U	0.626U
4,4'-DDT	(ug/kg)		0.66UJ	0.663U	1.46J	3.15J
Aldrin	(ug/kg)		0.33U	R	0.311U	0.313U
alpha-BHC	(ug/kg)		0.33U	0.331U	0.311U	0.313U
alpha-Chlordane	(ug/kg)		0.72J	R	R	R
beta-BHC	(ug/kg)		0.33UJ	0.331U	0.311UJ	0.313U
delta-BHC	(ug/kg)		0.33U	0.331U	0.311U	0.313U
Dieldrin	(ug/kg)		0.66U	0.663U	1.63J	0.626U
Endosulfan I	(ug/kg)		R	R	R	R
Endosulfan II	(ug/kg)		0.66U	0.663U	0.623U	0.626U
Endosulfan sulfate	(ug/kg)		R	R	0.623U	0.626U
Endrin	(ug/kg)		0.66UJ	0.663UJ	0.623UJ	0.626UJ
Endrin aldehyde	(ug/kg)		R	R	0.623U	R
Endrin ketone	(ug/kg)		R	0.663U	0.623U	0.626U
gamma-BHC (Lindane)	(ug/kg)		0.33U	0.331U	0.311U	0.313U
gamma-Chlordane	(ug/kg)		R	5.42J	0.311U	R
Heptachlor	(ug/kg)		0.33U	0.331U	0.311U	0.313U
Heptachlor epoxide	(ug/kg)		R	0.331U	0.311U	0.313U
Methoxychlor	(ug/kg)		4.53J	R	3.11U	R
Toxaphene	(ug/kg)		33U	33.1U	31.1U	31.3U
Aroclor 1016	(ug/kg)		66UJ	6.63UJ	6.23UJ	6.26UJ
Aroclor 1221	(ug/kg)		132UJ	13.3U	12.5U	12.5U
Aroclor 1232	(ug/kg)		66UJ	6.63U	6.23U	6.26U
Aroclor 1242	(ug/kg)		66UJ	6.63U	6.23U	6.26U
Aroclor 1248	(ug/kg)		66UJ	6.63U	6.23U	6.26U
Aroclor 1254	(ug/kg)		66UJ	6.63U	6.23U	6.26U
Aroclor 1260	(ug/kg)		66UJ	6.63U	6.23UJ	6.26UJ

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-012 D01939 11/09/2001 0.25 Primary	SD-013 D01941 11/09/2001 0.25 Primary	SD-013 D01942 11/09/2001 1.25 Primary	SD-013 D01992 11/09/2001 1.25 Duplicate 1
Starting Depth	(feet)	0.00	0.00	0.50	0.50
Ending Depth	(feet)	0.50	0.50	2.00	2.00
4,4'-DDD	(ug/kg)	0.8J	49.4	14.1J	21.3J
4,4'-DDE	(ug/kg)	2.32	17.4J	5.35J	7.6J
4,4'-DDT	(ug/kg)	0.976	7.57	4.16J	7.2J
Aldrin	(ug/kg)	0.319U	0.331U	0.322UJ	0.317UJ
alpha-BHC	(ug/kg)	0.319U	0.331U	0.322UJ	0.317UJ
alpha-Chlordane	(ug/kg)	R	0.404J	R	R
beta-BHC	(ug/kg)	0.319U	0.331U	0.322UJ	0.317UJ
delta-BHC	(ug/kg)	0.319U	3.31U	0.322UJ	0.317UJ
Dieldrin	(ug/kg)	0.638U	0.662U	0.643UJ	0.633UJ
Endosulfan I	(ug/kg)	R	R	R	R
Endosulfan II	(ug/kg)	0.638U	2.83	6.43UJ	6.33UJ
Endosulfan sulfate	(ug/kg)	0.638U	0.662U	0.643UJ	0.633UJ
Endrin	(ug/kg)	0.638UJ	6.62UJ	0.643UJ	0.633UJ
Endrin aldehyde	(ug/kg)	0.638U	0.662U	0.643UJ	0.633UJ
Endrin ketone	(ug/kg)	0.638U	0.662U	0.643UJ	0.633UJ
gamma-BHC (Lindane)	(ug/kg)	0.319U	0.331U	0.322UJ	0.317UJ
gamma-Chlordane	(ug/kg)	0.319U	3.31U	0.322UJ	0.317UJ
Heptachlor	(ug/kg)	0.319U	0.331U	0.322UJ	0.317UJ
Heptachlor epoxide	(ug/kg)	0.319U	0.331U	0.322UJ	0.317UJ
Methoxychlor	(ug/kg)	3.19U	33.1U	32.2UJ	31.7UJ
Toxaphene	(ug/kg)	31.9U	33.1U	32.2UJ	31.7UJ
Aroclor 1016	(ug/kg)	6.38UJ	6.62UJ	6.43UJ	6.33UJ
Aroclor 1221	(ug/kg)	12.8U	13.2U	12.9U	12.7U
Aroclor 1232	(ug/kg)	6.38U	6.62U	6.43U	6.33U
Aroclor 1242	(ug/kg)	6.38U	6.62U	6.43U	6.33U
Aroclor 1248	(ug/kg)	6.38U	6.62U	6.43U	6.33U
Aroclor 1254	(ug/kg)	6.38U	12J	6.43U	6.33U
Aroclor 1260	(ug/kg)	6.38U	15J	10.7	12.1J

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-014	SD-014	SD-015	SD-015
	SAMPLE ID	D01943	D01944	D01945	D01946
	DATE	11/09/2001	11/09/2001	11/07/2001	11/07/2001
	DEPTH (ft)	0.25	1.25	0.25	1.08
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	2.00	0.50	1.67
4,4'-DDD	(ug/kg)	112J	R	1.62J	0.631U
4,4'-DDE	(ug/kg)	17.9J	8.38J	1.18J	0.631U
4,4'-DDT	(ug/kg)	19.8J	13.7J	0.692J	0.631U
Aldrin	(ug/kg)	0.322UJ	0.322UJ	0.326U	0.315U
alpha-BHC	(ug/kg)	0.322UJ	0.322UJ	0.326U	0.315U
alpha-Chlordane	(ug/kg)	R	R	0.326U	0.315U
beta-BHC	(ug/kg)	0.322UJ	0.322UJ	0.326U	0.315U
delta-BHC	(ug/kg)	0.322UJ	0.322UJ	0.326U	0.315U
Dieldrin	(ug/kg)	0.643UJ	0.645UJ	0.651U	0.631U
Endosulfan I	(ug/kg)	R	R	0.326U	0.315U
Endosulfan II	(ug/kg)	0.643UJ	0.645UJ	0.651U	0.631U
Endosulfan sulfate	(ug/kg)	0.643UJ	0.645UJ	0.651U	0.631U
Endrin	(ug/kg)	0.643UJ	0.645UJ	0.651U	0.631U
Endrin aldehyde	(ug/kg)	0.643UJ	0.645UJ	0.651U	0.631U
Endrin ketone	(ug/kg)	0.643UJ	0.645UJ	0.651U	0.631U
gamma-BHC (Lindane)	(ug/kg)	3.22UJ	3.22UJ	0.326U	0.315U
gamma-Chlordane	(ug/kg)	0.322UJ	0.322UJ	0.326U	0.315U
Heptachlor	(ug/kg)	0.322UJ	0.322UJ	0.326U	0.315U
Heptachlor epoxide	(ug/kg)	0.322UJ	0.322UJ	0.326U	0.315U
Methoxychlor	(ug/kg)	3.22UJ	3.22UJ	3.26U	3.15U
Toxaphene	(ug/kg)	32.2UJ	32.2UJ	32.6U	31.5U
Aroclor 1016	(ug/kg)	6.43UJ	6.45UJ	6.51UJ	6.31UJ
Aroclor 1221	(ug/kg)	12.9U	12.9U	13U	12.6U
Aroclor 1232	(ug/kg)	6.43U	6.45U	6.51U	6.31U
Aroclor 1242	(ug/kg)	6.43U	6.45U	6.51U	6.31U
Aroclor 1248	(ug/kg)	6.43U	6.45U	6.51U	6.31U
Aroclor 1254	(ug/kg)	6.43U	6.45U	6.51U	6.31U
Aroclor 1260	(ug/kg)	23.1	21.2	6.51U	6.31U

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	SD-016	SD-016	SD-017	SD-017
	SAMPLE ID	D01947	D01948	D01949	D01950
	DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
	DEPTH (ft)	0.25	1.25	0.25	0.88
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	2.00	0.50	1.25
4,4'-DDD	(ug/kg)	0.652U	0.646U	5.22	8.25J
4,4'-DDE	(ug/kg)	0.652U	0.646U	4.11	5.89J
4,4'-DDT	(ug/kg)	R	0.646U	5.28	11J
Aldrin	(ug/kg)	0.326U	0.323U	0.325U	0.495J
alpha-BHC	(ug/kg)	0.326UJ	0.323U	0.325U	0.327UJ
alpha-Chlordane	(ug/kg)	R	R	R	0.483J
beta-BHC	(ug/kg)	0.326UJ	0.323U	0.325U	0.327U
delta-BHC	(ug/kg)	0.326U	0.323U	0.325U	0.327U
Dieldrin	(ug/kg)	0.676J	0.646U	0.65U	0.653U
Endosulfan I	(ug/kg)	R	R	R	R
Endosulfan II	(ug/kg)	0.652U	0.646U	0.65U	0.653U
Endosulfan sulfate	(ug/kg)	0.652U	0.646U	0.65U	0.653U
Endrin	(ug/kg)	0.652UJ	0.646UJ	0.65UJ	0.653UJ
Endrin aldehyde	(ug/kg)	0.652U	0.646U	0.65U	0.653U
Endrin ketone	(ug/kg)	0.652U	0.646U	0.65U	0.653U
gamma-BHC (Lindane)	(ug/kg)	0.326UJ	0.323U	0.325U	0.327UJ
gamma-Chlordane	(ug/kg)	0.326U	0.323U	R	3.27U
Heptachlor	(ug/kg)	0.326U	0.323U	0.325U	0.327U
Heptachlor epoxide	(ug/kg)	0.326U	0.323U	0.325U	0.327U
Methoxychlor	(ug/kg)	3.26U	3.23U	3.25U	3.27U
Toxaphene	(ug/kg)	32.6U	32.3U	32.5U	32.7U
Aroclor 1016	(ug/kg)	6.52UJ	6.46UJ	6.5UJ	6.53UJ
Aroclor 1221	(ug/kg)	13U	12.9U	13U	13.1U
Aroclor 1232	(ug/kg)	6.52U	6.46U	6.5U	6.53U
Aroclor 1242	(ug/kg)	6.52U	6.46U	6.5U	6.53U
Aroclor 1248	(ug/kg)	6.52U	6.46U	6.5U	6.53U
Aroclor 1254	(ug/kg)	6.52U	6.46U	10.5	11.4
Aroclor 1260	(ug/kg)	6.52UJ	6.46UJ	13.9J	10.5J

Sediment Pesticide/PCB Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-018 D01951 11/12/2001 0.25 Primary	SD-018 D01952 11/12/2001 1.25 Primary	SD-019 D01953 11/12/2001 0.25 Primary	SD-019 D01954 11/12/2001 1.00 Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	2.00	0.50	1.50
4,4'-DDD	(ug/kg)	0.658UJ	0.642U	1.19J	0.626UJ
4,4'-DDE	(ug/kg)	6.6J	0.642UJ	3.37J	1.01J
4,4'-DDT	(ug/kg)	12.9J	R	0.824J	R
Aldrin	(ug/kg)	0.329UJ	0.321UJ	0.333UJ	0.313UJ
alpha-BHC	(ug/kg)	0.329UJ	0.321UJ	0.333UJ	0.313UJ
alpha-Chlordane	(ug/kg)	R	R	R	R
beta-BHC	(ug/kg)	0.329UJ	0.321UJ	0.333UJ	0.313UJ
delta-BHC	(ug/kg)	0.329UJ	0.321UJ	0.333UJ	0.313UJ
Dieldrin	(ug/kg)	0.658UJ	0.642UJ	4.86J	1.22J
Endosulfan I	(ug/kg)	R	R	R	R
Endosulfan II	(ug/kg)	12.5J	1.2J	0.665UJ	0.626UJ
Endosulfan sulfate	(ug/kg)	0.658UJ	0.642UJ	0.665UJ	0.626UJ
Endrin	(ug/kg)	0.658UJ	3.67J	0.665UJ	0.626UJ
Endrin aldehyde	(ug/kg)	0.658UJ	0.642UJ	0.665UJ	0.626UJ
Endrin ketone	(ug/kg)	0.658UJ	0.642UJ	0.665UJ	0.626UJ
gamma-BHC (Lindane)	(ug/kg)	3.29UJ	0.321UJ	0.333UJ	0.313UJ
gamma-Chlordane	(ug/kg)	0.329UJ	R	0.333UJ	0.313UJ
Heptachlor	(ug/kg)	0.329UJ	0.321UJ	0.333UJ	0.313UJ
Heptachlor epoxide	(ug/kg)	0.329UJ	0.321UJ	0.333UJ	0.313UJ
Methoxychlor	(ug/kg)	32.9UJ	3.21U	3.33U	3.13U
Toxaphene	(ug/kg)	32.9UJ	32.1U	33.3U	31.3U
Aroclor 1016	(ug/kg)	6.58UJ	6.42UJ	6.65UJ	6.26UJ
Aroclor 1221	(ug/kg)	13.2U	12.8U	13.3U	12.5U
Aroclor 1232	(ug/kg)	6.58U	6.42U	6.65U	6.26U
Aroclor 1242	(ug/kg)	6.58U	6.42U	6.65U	6.26U
Aroclor 1248	(ug/kg)	6.58U	6.42U	6.65U	6.26U
Aroclor 1254	(ug/kg)	242J	15.2J	6.65U	6.26U
Aroclor 1260	(ug/kg)	6.58UJ	11.6	6.65U	6.26UJ

Appendix AA
Sediment Dioxin/Furan Results

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FPE 10/16/1998 0.13 Primary	FPS 10/16/1998 0.13 Primary	RRFP 10/16/1998 0.13 Primary	RRHPSB 10/16/1998 0.13 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.25	0.25	0.25	0.25
2,3,7,8-TCDD	(ng/kg)				
1,2,3,7,8-PeCDD	(ng/kg)				
1,2,3,4,7,8-HxCDD	(ng/kg)				
1,2,3,6,7,8-HxCDD	(ng/kg)				
1,2,3,7,8,9-HxCDD	(ng/kg)				
1,2,3,4,6,7,8-HpCDD	(ng/kg)				
OCDD	(ng/kg)				
2,3,7,8-TCDF	(ng/kg)				
1,2,3,7,8-PeCDF	(ng/kg)				
2,3,4,7,8-PeCDF	(ng/kg)				
1,2,3,4,7,8-HxCDF	(ng/kg)				
1,2,3,6,7,8-HxCDF	(ng/kg)				
2,3,4,6,7,8-HxCDF	(ng/kg)				
1,2,3,7,8,9-HxCDF	(ng/kg)				
1,2,3,4,6,7,8-HpCDF	(ng/kg)				
1,2,3,4,7,8,9-HpCDF	(ng/kg)				
OCDF	(ng/kg)				
TCDDs (total)	(ng/kg)				
PeCDDs (total)	(ng/kg)	0.319U	0.26U	0.227U	3.18U
HxCDDs (Total)	(ng/kg)				
HpCDDs (total)	(ng/kg)	146U	90.5U	23.7U	878
TCDFs (total)	(ng/kg)				
PeCDFs (total)	(ng/kg)	13.4	11.8	0.17U	38.9
HxCDFs (total)	(ng/kg)	32.8U	24.9U	6.82U	233
HpCDFs (total)	(ng/kg)	45.5U	71.7U	17.3U	371
TEQ EMPC (ND=0) 1989	(ng/kg)				
TEQ EMPC (ND=0) 1998	(ng/kg)				

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RRKP-S 10/16/1998 0.13 Primary	RRUS-S 10/16/1998 0.13 Primary	RRUS-S RRUS-2S 10/16/1998 0.13 Duplicate 1	SD-001 D01917 11/05/2001 0.25 Primary
Starting Depth	(feet)	0.00	0.00	0.00	0.00
Ending Depth	(feet)	0.25	0.25	0.25	0.50
2,3,7,8-TCDD	(ng/kg)				0.16U*
1,2,3,7,8-PeCDD	(ng/kg)				0.406U*
1,2,3,4,7,8-HxCDD	(ng/kg)				0.986U*
1,2,3,6,7,8-HxCDD	(ng/kg)				1.79U*
1,2,3,7,8,9-HxCDD	(ng/kg)				0.962U
1,2,3,4,6,7,8-HpCDD	(ng/kg)				95.8
OCDD	(ng/kg)				540
2,3,7,8-TCDF	(ng/kg)				0.203U*
1,2,3,7,8-PeCDF	(ng/kg)				0.465U
2,3,4,7,8-PeCDF	(ng/kg)				0.484U
1,2,3,4,7,8-HxCDF	(ng/kg)				1.66U
1,2,3,6,7,8-HxCDF	(ng/kg)				1.14U*
2,3,4,6,7,8-HxCDF	(ng/kg)				0.391U
1,2,3,7,8,9-HxCDF	(ng/kg)				0.344U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)				18.6
1,2,3,4,7,8,9-HpCDF	(ng/kg)				1.19U
OCDF	(ng/kg)				57.3
TCDDs (total)	(ng/kg)				0.160UJ
PeCDDs (total)	(ng/kg)	3.81U	36.3	1.07U	1.24J
HxCDDs (Total)	(ng/kg)				8.05JEB
HpCDDs (total)	(ng/kg)	91.8U	588	588	146J
TCDFs (total)	(ng/kg)				0.203UJ
PeCDFs (total)	(ng/kg)	20	91.5	52.8	5.88JEB
HxCDFs (total)	(ng/kg)	32.1U	315	114U	24.2J
HpCDFs (total)	(ng/kg)	73.8U	315	264	68.5J
TEQ EMPC (ND=0) 1989	(ng/kg)				1.7
TEQ EMPC (ND=0) 1998	(ng/kg)				1.2

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-001	SD-002	SD-003	SD-003
		SAMPLE ID	D01918	D01919	D01921	D01922
		DATE	11/05/2001	11/05/2001	11/08/2001	11/08/2001
		DEPTH (ft)	0.75	0.13	0.25	1.17
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.50	0.00	0.00	0.50
Ending Depth	(feet)		1.00	0.25	0.50	1.83
2,3,7,8-TCDD	(ng/kg)		0.593U	0.561U	1.79UJ*	0.19U*
1,2,3,7,8-PeCDD	(ng/kg)		0.167U*	0.471U*	4.84J	0.251U*
1,2,3,4,7,8-HxCDD	(ng/kg)		1.35U*	0.908U*	20.4J	0.339U*
1,2,3,6,7,8-HxCDD	(ng/kg)		2.31U	2.51U	59.4J	1.38U
1,2,3,7,8,9-HxCDD	(ng/kg)		1.38U	0.573U*	46.7J	1.09U
1,2,3,4,6,7,8-HpCDD	(ng/kg)		76.6	58.1	1110J	27.3
OCDD	(ng/kg)		560	409	7930J	162
2,3,7,8-TCDF	(ng/kg)		0.325U*	0.301U*	3.35J	0.35U*
1,2,3,7,8-PeCDF	(ng/kg)		0.432U*	0.438U	3.84J	0.21U*
2,3,4,7,8-PeCDF	(ng/kg)		0.593U	0.289U*	4.59J	0.33U
1,2,3,4,7,8-HxCDF	(ng/kg)		0.764U*	0.904U*	30.4J	0.786U
1,2,3,6,7,8-HxCDF	(ng/kg)		1.23U*	0.559U*	23.1J	0.854U*
2,3,4,6,7,8-HxCDF	(ng/kg)		0.575U	1.19U*	5.8UJ	0.339U*
1,2,3,7,8,9-HxCDF	(ng/kg)		0.649U	0.244U*	3.66UJ*	0.22U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)		16.4	11.5	259J	5.73U
1,2,3,4,7,8,9-HpCDF	(ng/kg)		0.875U	1.74U*	30.8J	0.951U
OCDF	(ng/kg)		56	37.8U	631J	12.6U
TCDDs (total)	(ng/kg)		0.593UJ	0.561UJ	1.79UJ	0.190UJ
PeCDDs (total)	(ng/kg)		0.167UJ	0.759J	4.84UJ	0.251UJ
HxCDDs (Total)	(ng/kg)		3.69JEB	3.79JEB	315J	4.39JEB
HpCDDs (total)	(ng/kg)		124J	96.5J	1800J	43.5J
TCDFs (total)	(ng/kg)		0.325UJ	0.302UJ	21.1UJ	2.05J
PeCDFs (total)	(ng/kg)		4.64JEB	4.48JEB	70.1J	2.57JEB
HxCDFs (total)	(ng/kg)		23.2J	0.461UJ	436J	12.1J
HpCDFs (total)	(ng/kg)		58.3J	44J	962J	23.2J
TEQ EMPC (ND=0) 1989	(ng/kg)		1.5	1.1	46J	0.44
TEQ EMPC (ND=0) 1998	(ng/kg)		0.99	0.74	40J	0.29

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-004	SD-004	SD-005	SD-005
		SAMPLE ID	D01923	D01924	D01926	D01990
		DATE	11/06/2001	11/06/2001	11/06/2001	11/06/2001
		DEPTH (ft)	0.25	0.79	0.83	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.50	0.00
Ending Depth	(feet)		0.50	1.08	1.17	0.50
2,3,7,8-TCDD	(ng/kg)		0.138U*	0.174U*	0.107U*	0.203U*
1,2,3,7,8-PeCDD	(ng/kg)		0.576U	0.159U	0.176U*	0.146U*
1,2,3,4,7,8-HxCDD	(ng/kg)		0.219U*	0.224U	0.526U	0.406U*
1,2,3,6,7,8-HxCDD	(ng/kg)		0.757U*	0.246U	0.793U*	1.1U
1,2,3,7,8,9-HxCDD	(ng/kg)		0.475U*	0.299U	0.909U*	1.05U*
1,2,3,4,6,7,8-HpCDD	(ng/kg)		17.5	6.39U	14.4	20.2
OCDD	(ng/kg)		122	40.6U	89.5	128
2,3,7,8-TCDF	(ng/kg)		0.396U	0.168U	0.498U*	0.641U*
1,2,3,7,8-PeCDF	(ng/kg)		0.432U	0.299U	0.311U*	0.211U
2,3,4,7,8-PeCDF	(ng/kg)		0.468U	0.317U	0.354U*	0.437U
1,2,3,4,7,8-HxCDF	(ng/kg)		0.0881U*	0.179U*	1.05U	1.15U
1,2,3,6,7,8-HxCDF	(ng/kg)		0.216U	0.187U	0.802U*	0.887U
2,3,4,6,7,8-HxCDF	(ng/kg)		0.252U	0.146U*	0.241U*	0.273U*
1,2,3,7,8,9-HxCDF	(ng/kg)		0.0899U*	0.261U	0.276U*	0.0602U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)		3.65U	1.08U	5.46U	6.94U
1,2,3,4,7,8,9-HpCDF	(ng/kg)		0.209U*	0.435U*	0.648U	0.5U
OCDF	(ng/kg)		11.6U	4.38U	7.01U	10.7U
TCDDs (total)	(ng/kg)		0.635J	0.989J	0.107UJ	0.203UJ
PeCDDs (total)	(ng/kg)		0.576UJ	3.29J	0.363J	0.146UJ
HxCDDs (Total)	(ng/kg)		3.31JEB	2.05JEB	0.526JEB	7.99JEB
HpCDDs (total)	(ng/kg)		29.2J	9.83J	14.4J	34.7J
TCDFs (total)	(ng/kg)		0.396UJ	0.614J	0.878J	16.5J
PeCDFs (total)	(ng/kg)		0.432UJ	0.299UJ	4.89JEB	11.6JEB
HxCDFs (total)	(ng/kg)		4J	0.784UJ	6.37J	14.3J
HpCDFs (total)	(ng/kg)		12.4J	1.08J	11.9J	18.3J
TEQ EMPC (ND=0) 1989	(ng/kg)		0.3	0U	0.23	0.33
TEQ EMPC (ND=0) 1998	(ng/kg)		0.19	0.0U	0.15	0.21

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-006 D01927 11/07/2001 0.25 Primary	SD-006 D01928 11/07/2001 0.75 Primary	SD-007 D01929 11/07/2001 0.25 Primary	SD-007 D01930 11/07/2001 1.00 Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	1.00	0.50	1.50
2,3,7,8-TCDD	(ng/kg)	0.452U	0.588U	0.546U*	0.268U*
1,2,3,7,8-PeCDD	(ng/kg)	0.224U*	0.675UJ	2.73U*	0.948U
1,2,3,4,7,8-HxCDD	(ng/kg)	1.29U*	0.299U*	12.1	2.44U
1,2,3,6,7,8-HxCDD	(ng/kg)	6.93U	0.111U*	67.2	11.1
1,2,3,7,8,9-HxCDD	(ng/kg)	3.17U	0.249U*	28.1	2.51U
1,2,3,4,6,7,8-HpCDD	(ng/kg)	260	0.443U*	1630	427
OCDD	(ng/kg)	1400	5.51U	13600	3140
2,3,7,8-TCDF	(ng/kg)	0.339U	0.144UJ*	1.51U	0.462U*
1,2,3,7,8-PeCDF	(ng/kg)	0.162U*	0.0554UJ*	0.858U*	0.284U*
2,3,4,7,8-PeCDF	(ng/kg)	0.134U*	0.0692UJ*	0.698U*	0.361U
1,2,3,4,7,8-HxCDF	(ng/kg)	1.3U	0.0346U*	11.8	4.27U*
1,2,3,6,7,8-HxCDF	(ng/kg)	0.669U	0.157U*	25.8	5.85U
2,3,4,6,7,8-HxCDF	(ng/kg)	0.471U	0.415U	3.48U	0.719U*
1,2,3,7,8,9-HxCDF	(ng/kg)	0.177U*	0.177U*	1.57U*	0.64U
1,2,3,4,6,7,8-HpCDF	(ng/kg)	36.1	0.279U	330	57.6
1,2,3,4,7,8,9-HpCDF	(ng/kg)	4.92U	0.168UJ*	30.1	5.78U
OCDF	(ng/kg)	217	0.552UJ	1680	333
TCDDs (total)	(ng/kg)	0.452UJ	0.588UJ	1.89J	0.268UJ
PeCDDs (total)	(ng/kg)	0.311J	0.675UJ	3.21J	0.948J
HxCDDs (Total)	(ng/kg)	24.9JEB	0.299UJ	258JEB	47.9JEB
HpCDDs (total)	(ng/kg)	375J	0.443UJ	2880J	665J
TCDFs (total)	(ng/kg)	3.65J	1.03J	50.8J	3.02J
PeCDFs (total)	(ng/kg)	2.14JEB	0.625JEB	101JEB	19.1JEB
HxCDFs (total)	(ng/kg)	33J	0.415UJ	593J	129J
HpCDFs (total)	(ng/kg)	208J	0.279J	1740J	315J
TEQ EMPC (ND=0) 1989	(ng/kg)	4.6	0UJ	50	9.4
TEQ EMPC (ND=0) 1998	(ng/kg)	3.1	0.0UJ	36	6.3

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-008	SD-008	SD-009	SD-009
		SAMPLE ID	D01931	D01932	D01933	D01991
		DATE	11/08/2001	11/08/2001	11/08/2001	11/08/2001
		DEPTH (ft)	0.25	1.25	0.25	0.25
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Starting Depth	(feet)		0.00	0.50	0.00	0.00
Ending Depth	(feet)		0.50	2.00	0.50	0.50
2,3,7,8-TCDD	(ng/kg)		2.08UJ*	0.741U	1.08UJ	3.2
1,2,3,7,8-PeCDD	(ng/kg)		2.43*	1.21U	52J	46.1
1,2,3,4,7,8-HxCDD	(ng/kg)		4.02UJ	2.98U	263J	167
1,2,3,6,7,8-HxCDD	(ng/kg)		25.1J	1.99U	1620J	2010
1,2,3,7,8,9-HxCDD	(ng/kg)		16.7J	2.24U	660J	569
1,2,3,4,6,7,8-HpCDD	(ng/kg)		928J	19.8	65200J	52800
OCDD	(ng/kg)		6550J	180	596000J	451000J
2,3,7,8-TCDF	(ng/kg)		4.54J	0.172U*	0.719UJ*	2.63
1,2,3,7,8-PeCDF	(ng/kg)		2.81*	0.257U*	8.63J	9.79
2,3,4,7,8-PeCDF	(ng/kg)		0.878UJ*	0.433U*	12J	12
1,2,3,4,7,8-HxCDF	(ng/kg)		8.94J	0.577U*	299J	259
1,2,3,6,7,8-HxCDF	(ng/kg)		2.13UJ	0.981U*	168J	106
2,3,4,6,7,8-HxCDF	(ng/kg)		1.53UJ	1.05U*	79.5J	196J
1,2,3,7,8,9-HxCDF	(ng/kg)		1.68UJ	0.698U*	3.96UJ	33.1
1,2,3,4,6,7,8-HpCDF	(ng/kg)		142J	3.5U	10300J	7940
1,2,3,4,7,8,9-HpCDF	(ng/kg)		6.26UJ	0.796U*	827J	802
OCDF	(ng/kg)		590J	8.93U	60500J	47000
TCDDs (total)	(ng/kg)		2.08UJ	0.741UJ	172J	315J
PeCDDs (total)	(ng/kg)		2.43UJ	1.21UJ	680J	1010J
HxCDDs (Total)	(ng/kg)		132J	2.98UJ	6850JEB	7920J
HpCDDs (total)	(ng/kg)		1510J	33.3J	104000J	96800J
TCDFs (total)	(ng/kg)		4.54UJ	0.172UJ	49.8J	73.6UJ
PeCDFs (total)	(ng/kg)		2.81UJ	0.433UJ	351JEB	208J
HxCDFs (total)	(ng/kg)		174J	7.92J	13500J	10700J
HpCDFs (total)	(ng/kg)		588J	21.8J	63500J	60700J
TEQ EMPC (ND=0) 1989	(ng/kg)		25J	0.38	1800J	1500J
TEQ EMPC (ND=0) 1998	(ng/kg)		20J	0.22	1200J	1000J

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-009 D01934 11/08/2001 1.17 Primary	SD-010 D01935 11/08/2001 0.25 Primary	SD-011 D01937 11/09/2001 0.25 Primary	SD-012 D01939 11/09/2001 0.25 Primary
Starting Depth	(feet)	0.50	0.00	0.00	0.00
Ending Depth	(feet)	1.83	0.50	0.50	0.50
2,3,7,8-TCDD	(ng/kg)	0.336U	0.993UJ	0.521U	1.38U
1,2,3,7,8-PeCDD	(ng/kg)	0.673U	13.8J	10.3	3.74*
1,2,3,4,7,8-HxCDD	(ng/kg)	17.8	47.1J	30.4	8.66*
1,2,3,6,7,8-HxCDD	(ng/kg)	280	243J	227	34.3
1,2,3,7,8,9-HxCDD	(ng/kg)	80.2	151J	88.2	26.2
1,2,3,4,6,7,8-HpCDD	(ng/kg)	6820	5360	2440	1100
OCDD	(ng/kg)	58600J	35100	18800	7280
2,3,7,8-TCDF	(ng/kg)	0.605U*	0.312UJ*	0.816U*	0.841U
1,2,3,7,8-PeCDF	(ng/kg)	0.336U	0.915UJ*	3.54	1.45U
2,3,4,7,8-PeCDF	(ng/kg)	0.336U	2.24J	5.56	0.88U*
1,2,3,4,7,8-HxCDF	(ng/kg)	63.7	46.4J	37.8	7.51*
1,2,3,6,7,8-HxCDF	(ng/kg)	140	125J	36.3	20.6*
2,3,4,6,7,8-HxCDF	(ng/kg)	8.02J	24.9J	26.6	3.21U*
1,2,3,7,8,9-HxCDF	(ng/kg)	1.23U*	0.487UJ*	8.93	2.53U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)	1210	976	501	207
1,2,3,4,7,8,9-HpCDF	(ng/kg)	152J	127	109	18
OCDF	(ng/kg)	7220	4010	1910	800
TCDDs (total)	(ng/kg)	1.56UJ	1.21UJ	0.973UJ	1.15UJ
PeCDDs (total)	(ng/kg)	2.98UJ	35.4J	37.8J	1.94UJ
HxCDDs (Total)	(ng/kg)	834J	1010J	880J	163J
HpCDDs (total)	(ng/kg)	13100J	9720J	6380J	1800J
TCDFs (total)	(ng/kg)	117J	57.2UJ	12.7UJ	12.9UJ
PeCDFs (total)	(ng/kg)	498J	427J	80.8J	72.2J
HxCDFs (total)	(ng/kg)	3680J	3140J	1360J	465J
HpCDFs (total)	(ng/kg)	10300J	7480J	4810J	966J
TEQ EMPC (ND=0) 1989	(ng/kg)	210J	180J	100	33J
TEQ EMPC (ND=0) 1998	(ng/kg)	150J	150J	91	28J

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-013	SD-013	SD-013	SD-014
		SAMPLE ID	D01941	D01942	D01992	D01943
		DATE	11/09/2001	11/09/2001	11/09/2001	11/09/2001
		DEPTH (ft)	0.25	1.25	1.25	0.25
		RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Starting Depth	(feet)		0.00	0.50	0.50	0.00
Ending Depth	(feet)		0.50	2.00	2.00	0.50
2,3,7,8-TCDD	(ng/kg)		0.598U	0.430U	0.268UJ*	0.672U
1,2,3,7,8-PeCDD	(ng/kg)		2.14*	0.770U	0.587U	1.09U
1,2,3,4,7,8-HxCDD	(ng/kg)		3.45U	1.67U	0.532U	1.77U
1,2,3,6,7,8-HxCDD	(ng/kg)		11.7	2.47U*	1.62U*	2.78U
1,2,3,7,8,9-HxCDD	(ng/kg)		9.29U	1.24U	1.40U*	1.36U*
1,2,3,4,6,7,8-HpCDD	(ng/kg)		186	81.1J	32.5J	31.9
OCDD	(ng/kg)		1410	537	377	290J
2,3,7,8-TCDF	(ng/kg)		5.76	0.215U	1.38U*	0.889U*
1,2,3,7,8-PeCDF	(ng/kg)		0.694U	0.297U	0.675U*	0.396U*
2,3,4,7,8-PeCDF	(ng/kg)		0.957*	0.731U	0.781U*	0.556U
1,2,3,4,7,8-HxCDF	(ng/kg)		2.38U*	1.24U*	1.52U*	0.663U
1,2,3,6,7,8-HxCDF	(ng/kg)		1.23U*	1.55U*	0.257U	2.1U*
2,3,4,6,7,8-HxCDF	(ng/kg)		2.14U	1.82U*	0.695U	1.87U*
1,2,3,7,8,9-HxCDF	(ng/kg)		0.583U*	0.539U*	0.330U*	0.106U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)		46.1	12.8	10.5	13.8
1,2,3,4,7,8,9-HpCDF	(ng/kg)		171	3.28U*	0.859U*	3U*
OCDF	(ng/kg)		97.7	39.0U	18.6U	39UJ
TCDDs (total)	(ng/kg)		7.30UJ	1.29UJ	0.268UJ	0.672UJ
PeCDDs (total)	(ng/kg)		2.33UJ	1.13UJ	2.82UJ	1.09UJ
HxCDDs (Total)	(ng/kg)		85.9UJ	13.1UJ	1.62UJ	9.45UJ
HpCDDs (total)	(ng/kg)		320J	123J	60.6UJ	31.9UJ
TCDFs (total)	(ng/kg)		29.7UJ	7.89UJ	9.55UJ	7.23UJ
PeCDFs (total)	(ng/kg)		2.27UJ	10.1UJ	12.7UJ	38.3J
HxCDFs (total)	(ng/kg)		21.2UJ	25.1UJ	20.1UJ	2.10UJ
HpCDFs (total)	(ng/kg)		302J	12.8UJ	24.1UJ	13.8UJ
TEQ EMPC (ND=0) 1989	(ng/kg)		8.8J	1.5J	0.81J	0.75J
TEQ EMPC (ND=0) 1998	(ng/kg)		8.5J	0.99J	0.47J	0.49J

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-014	SD-015	SD-015	SD-016
		SAMPLE ID	D01944	D01945	D01946	D01947
		DATE	11/09/2001	11/07/2001	11/07/2001	11/12/2001
		DEPTH (ft)	1.25	0.25	1.08	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.50	0.00	0.50	0.00
Ending Depth	(feet)		2.00	0.50	1.67	0.50
2,3,7,8-TCDD	(ng/kg)		0.244U*	0.946U*	0.258U*	0.571U
1,2,3,7,8-PeCDD	(ng/kg)		0.208U*	12U*	1.5U	0.475U
1,2,3,4,7,8-HxCDD	(ng/kg)		0.627U*	27.4	5.5U	0.837U
1,2,3,6,7,8-HxCDD	(ng/kg)		1.05U*	166	16.4	0.378U*
1,2,3,7,8,9-HxCDD	(ng/kg)		0.705U*	66.5	5.03U	0.51U*
1,2,3,4,6,7,8-HpCDD	(ng/kg)		8.51U	3600	812	1.33U
OCDD	(ng/kg)		49.4U	27600	3830	22U
2,3,7,8-TCDF	(ng/kg)		2.03U*	0.83U*	0.401U*	0.126U*
1,2,3,7,8-PeCDF	(ng/kg)		0.506U	0.675U*	0.822U	0.285U
2,3,4,7,8-PeCDF	(ng/kg)		0.246U	1.54U	0.856U	0.0742U*
1,2,3,4,7,8-HxCDF	(ng/kg)		5.79U	33	5.99U	0.238U*
1,2,3,6,7,8-HxCDF	(ng/kg)		2.69U	92.8	9.28	0.264U*
2,3,4,6,7,8-HxCDF	(ng/kg)		1.76U*	5.54U	1.08U*	0.418U
1,2,3,7,8,9-HxCDF	(ng/kg)		0.163U*	0.463U	0.552U*	0.475U
1,2,3,4,6,7,8-HpCDF	(ng/kg)		23	785	119	2.54U
1,2,3,4,7,8,9-HpCDF	(ng/kg)		0.917U*	48.3	6.5U	0.169U*
OCDF	(ng/kg)		14.9U	2780	406	2.93U
TCDDs (total)	(ng/kg)		1.57UJ	9.44J	0.258UJ	0.489UJ
PeCDDs (total)	(ng/kg)		0.786UJ	18.2J	5.84J	0.475UJ
HxCDDs (Total)	(ng/kg)		1.05UJ	626JEB	61.2JEB	0.837UJ
HpCDDs (total)	(ng/kg)		14.8UJ	6510J	1240J	3.22UJ
TCDFs (total)	(ng/kg)		13.7UJ	111J	9.33J	0.519UJ
PeCDFs (total)	(ng/kg)		53.1J	384JEB	39.5JEB	0.285UJ
HxCDFs (total)	(ng/kg)		48.3UJ	2240J	239J	1.08UJ
HpCDFs (total)	(ng/kg)		23.0UJ	4380J	572J	2.54UJ
TEQ EMPC (ND=0) 1989	(ng/kg)		0.23	110	16	0.0U
TEQ EMPC (ND=0) 1998	(ng/kg)		0.23	86	12	0.0U

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-016 D01948 11/12/2001 1.25 Primary	SD-017 D01949 11/12/2001 0.25 Primary	SD-017 D01950 11/12/2001 0.88 Primary	SD-018 D01951 11/12/2001 0.25 Primary
Starting Depth	(feet)		0.50	0.00	0.50	0.00
Ending Depth	(feet)		2.00	0.50	1.25	0.50
2,3,7,8-TCDD	(ng/kg)		0.313U*	0.398U*	0.449U*	0.942U*
1,2,3,7,8-PeCDD	(ng/kg)		0.787U	0.675U	0.783U	0.802U*
1,2,3,4,7,8-HxCDD	(ng/kg)		0.964U	0.694U	2.25U*	2.56U*
1,2,3,6,7,8-HxCDD	(ng/kg)		0.402U*	3.12U*	2.77U	10.4
1,2,3,7,8,9-HxCDD	(ng/kg)		0.24U*	1.55U	1.85U*	8.84U
1,2,3,4,6,7,8-HpCDD	(ng/kg)		1.33U*	61.3	56.9	188J
OCDD	(ng/kg)		4.79U*	377	381	1320J
2,3,7,8-TCDF	(ng/kg)		0.295U	2.32U	0.854U*	18.6
1,2,3,7,8-PeCDF	(ng/kg)		0.335U	0.488U	0.862U*	0.893U
2,3,4,7,8-PeCDF	(ng/kg)		0.354U	0.506U	0.559U	0.912U
1,2,3,4,7,8-HxCDF	(ng/kg)		0.279U*	2.75U*	2.54U	8.04
1,2,3,6,7,8-HxCDF	(ng/kg)		0.433U	2.4U	1.01U	2.8U*
2,3,4,6,7,8-HxCDF	(ng/kg)		0.108U*	0.563U	0.545U*	2.39U
1,2,3,7,8,9-HxCDF	(ng/kg)		0.148U*	0.308U	0.513U*	1.22U
1,2,3,4,6,7,8-HpCDF	(ng/kg)		0.888U*	22.9	19	624J
1,2,3,4,7,8,9-HpCDF	(ng/kg)		0.945U	2.24U*	1.38U	7.59UJ
OCDF	(ng/kg)		1.04U	40U	41U	258J
TCDDs (total)	(ng/kg)		0.892UJ	1.25UJ	1.01UJ	2.67UJ
PeCDDs (total)	(ng/kg)		0.787UJ	0.675UJ	0.783UJ	23.2J
HxCDDs (Total)	(ng/kg)		0.964UJ	8.48UJ	2.77UJ	90.8UJ
HpCDDs (total)	(ng/kg)		1.33UJ	102UJ	98.9UJ	385J
TCDFs (total)	(ng/kg)		0.274UJ	3.28UJ	0.854UJ	21.1UJ
PeCDFs (total)	(ng/kg)		0.354UJ	9.23UJ	0.862UJ	23.4J
HxCDFs (total)	(ng/kg)		0.433UJ	29.5UJ	32.3UJ	227J
HpCDFs (total)	(ng/kg)		0.945UJ	56.2J	59.2J	1130J
TEQ EMPC (ND=0) 1989	(ng/kg)		0.0U	1.2	1.1	13J
TEQ EMPC (ND=0) 1998	(ng/kg)		0.0U	0.88	0.80	12J

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-018 D01952 11/12/2001 1.25 Primary	SD-019 D01953 11/12/2001 0.25 Primary	SD-019 D01954 11/12/2001 1.00 Primary	SD-020 D03445 11/05/2002 0.25 Primary
Starting Depth	(feet)	0.50	0.00	0.50	0.00
Ending Depth	(feet)	2.00	0.50	1.50	0.50
2,3,7,8-TCDD	(ng/kg)	0.601U*	0.374UJ	0.0586U*	0.751JEB
1,2,3,7,8-PeCDD	(ng/kg)	0.855U*	0.374UJ	0.068U*	2.91J
1,2,3,4,7,8-HxCDD	(ng/kg)	0.634U*	0.486UJ	0.17U	16.7J
1,2,3,6,7,8-HxCDD	(ng/kg)	0.677U	0.318UJ	0.113U	13.6
1,2,3,7,8,9-HxCDD	(ng/kg)	0.766U	0.742UJ*	0.176U*	24.1
1,2,3,4,6,7,8-HpCDD	(ng/kg)	12.5	8.27UJ*	1.79U	414
OCDD	(ng/kg)	45.4UJ	60.8UJ	24.5U	1870J
2,3,7,8-TCDF	(ng/kg)	69.3	0.786UJ	0.223U*	7.02J
1,2,3,7,8-PeCDF	(ng/kg)	10.3	0.368UJ*	0.151U	2.18
2,3,4,7,8-PeCDF	(ng/kg)	6.03	0.336UJ	0.0793U*	2.24
1,2,3,4,7,8-HxCDF	(ng/kg)	3.13U	0.753UJ*	0.302U*	7.47
1,2,3,6,7,8-HxCDF	(ng/kg)	3.57U	0.562UJ*	0.331U	4.98
2,3,4,6,7,8-HxCDF	(ng/kg)	0.586U*	0.583UJ*	0.283U*	3.2U
1,2,3,7,8,9-HxCDF	(ng/kg)	0.884U*	0.166UJ*	0.113U	0.481U
1,2,3,4,6,7,8-HpCDF	(ng/kg)	20.3	15.6J	13.8J	87.9J
1,2,3,4,7,8,9-HpCDF	(ng/kg)	0.609U*	0.747UJ	0.321U	12.9J
OCDF	(ng/kg)	10.7U	3.12UJ*	4.67U	133
TCDDs (total)	(ng/kg)	0.6UJ	0.278UJ	0.0586UJ	13.2J
PeCDDs (total)	(ng/kg)	0.855UJ	0.374UJ	0.068UJ	39.1J
HxCDDs (Total)	(ng/kg)	2.38UJ	3.1UJ	0.682UJ	153JEB
HpCDDs (total)	(ng/kg)	12.5J	9.04UJ	1.79UJ	625J
TCDFs (total)	(ng/kg)	141J	0.786UJ	1.6UJ	36.8J
PeCDFs (total)	(ng/kg)	31.5J	0.368UJ	1.27UJ	43.7J
HxCDFs (total)	(ng/kg)	14.2UJ	8.73UJ	0.671UJ	147J
HpCDFs (total)	(ng/kg)	35.7UJ	23.4UJ	19.4UJ	323J
TEQ EMPC (ND=0) 1989	(ng/kg)	11	0.16J	0.14J	18J
TEQ EMPC (ND=0) 1998	(ng/kg)	11	0.16J	0.14J	18J

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-020	SD-021	SD-022	SD-023
		SAMPLE ID	D03446	D03447	D03448	D04221
		DATE	11/05/2002	11/05/2002	11/05/2002	10/27/2003
		DEPTH (ft)	0.25	0.25	0.25	0.25
		RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		0.50	0.50	0.50	0.50
2,3,7,8-TCDD	(ng/kg)		0.950EB	2.4EB	3.05JEB	2.57EB
1,2,3,7,8-PeCDD	(ng/kg)		5.09J	11	14.7	20.5
1,2,3,4,7,8-HxCDD	(ng/kg)		31.2J	16.4	15.7	70.9
1,2,3,6,7,8-HxCDD	(ng/kg)		15.4	48.6	55.5	261
1,2,3,7,8,9-HxCDD	(ng/kg)		36.3	48	41.3	156
1,2,3,4,6,7,8-HpCDD	(ng/kg)		486	1370	1170	7230
OCDD	(ng/kg)		1970J	9430J	6780J	48100J
2,3,7,8-TCDF	(ng/kg)		6.14	14.3	28.1	4.3
1,2,3,7,8-PeCDF	(ng/kg)		1.97	7.42	36	3.96
2,3,4,7,8-PeCDF	(ng/kg)		2.02	7.83	28.9	5.31
1,2,3,4,7,8-HxCDF	(ng/kg)		7.17	32.5	119	48.8
1,2,3,6,7,8-HxCDF	(ng/kg)		5.25	23.5	92.7	30.9
2,3,4,6,7,8-HxCDF	(ng/kg)		2.08U	10.8U	79.6	14.5
1,2,3,7,8,9-HxCDF	(ng/kg)		0.494U	2.09U	8.72	1.38J
1,2,3,4,6,7,8-HpCDF	(ng/kg)		72.3J	353J	1040J	884
1,2,3,4,7,8,9-HpCDF	(ng/kg)		9.13	37.6J	135	96.4
OCDF	(ng/kg)		110	621	925	4720
TCDDs (total)	(ng/kg)		19.8J	30.6J	29.8J	39.2J
PeCDDs (total)	(ng/kg)		65J	59.9J	90.7J	178J
HxCDDs (Total)	(ng/kg)		220JEB	360JEB	451JEB	1400J
HpCDDs (total)	(ng/kg)		711J	2250J	2010J	12400J
TCDFs (total)	(ng/kg)		40J	130J	276J	82.2J
PeCDFs (total)	(ng/kg)		35.4J	191J	526J	261J
HxCDFs (total)	(ng/kg)		115J	523J	1580J	1580J
HpCDFs (total)	(ng/kg)		211J	1050J	2560J	5580J
TEQ EMPC (ND=0) 1989	(ng/kg)		22J	59J	100J	
TEQ EMPC (ND=0) 1998	(ng/kg)		23J	56J	100J	170J

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-024	SD-024	SD-025	SD-026
		SAMPLE ID	D04222	D04227	D04223	D04224
		DATE	10/28/2003	10/28/2003	10/28/2003	10/27/2003
		DEPTH (ft)	0.25	0.25	0.25	0.25
		RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		0.50	0.50	0.50	0.50
2,3,7,8-TCDD	(ng/kg)		0.3EB*	2.54JEB	2.85EB	3.29EB
1,2,3,7,8-PeCDD	(ng/kg)		8.92J	17.7J	17.3	18.6
1,2,3,4,7,8-HxCDD	(ng/kg)		33.8J	69.6J	65.1	91.4
1,2,3,6,7,8-HxCDD	(ng/kg)		136J	276J	250	582
1,2,3,7,8,9-HxCDD	(ng/kg)		71.3J	140J	137	234
1,2,3,4,6,7,8-HpCDD	(ng/kg)		3730J	9570J	8240	15600
OCDD	(ng/kg)		24400J	63500J	54800J	120000J
2,3,7,8-TCDF	(ng/kg)		2.26J	5.23J	5.42	1.2*
1,2,3,7,8-PeCDF	(ng/kg)		2.88J	5.61J	4.95	3.88
2,3,4,7,8-PeCDF	(ng/kg)		3.86J	6.78J	6.21	4.29
1,2,3,4,7,8-HxCDF	(ng/kg)		29.1J	63.3J	59.7	97.1
1,2,3,6,7,8-HxCDF	(ng/kg)		18.7J	36.1J	35.8	46.7
2,3,4,6,7,8-HxCDF	(ng/kg)		13J	23.2J	23.4	26.4
1,2,3,7,8,9-HxCDF	(ng/kg)		0.676UJ	1.59J	1.2J	1.44J
1,2,3,4,6,7,8-HpCDF	(ng/kg)		668J	1420J	1280	2100
1,2,3,4,7,8,9-HpCDF	(ng/kg)		64.8J	112J	124	312
OCDF	(ng/kg)		2550J	6600J	5830	13500
TCDDs (total)	(ng/kg)		17.8J	34.9J	33.6J	140J
PeCDDs (total)	(ng/kg)		89.3J	173J	167J	532J
HxCDDs (Total)	(ng/kg)		728J	1480J	1380J	3270J
HpCDDs (total)	(ng/kg)		6390J	15200J	13600J	30000J
TCDFs (total)	(ng/kg)		52.5J	91.1J	102J	44.8J
PeCDFs (total)	(ng/kg)		178J	343J	325J	394J
HxCDFs (total)	(ng/kg)		939J	2020J	1940J	4540J
HpCDFs (total)	(ng/kg)		3310J	6860J	6860J	20200J
TEQ EMPC (ND=0) 1989	(ng/kg)					
TEQ EMPC (ND=0) 1998	(ng/kg)		89J	200J	180J	320J

Sediment Dioxin/Furan Results

PERIOD: From 12/31/1989 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-027 D04225 10/27/2003 0.25 Primary	SOIL NEAR MW-9 06/11/1998 0.50 Primary
Starting Depth	(feet)		0.00	0.00
Ending Depth	(feet)		0.50	1.00
2,3,7,8-TCDD	(ng/kg)		0.136U	
1,2,3,7,8-PeCDD	(ng/kg)		1.43U*	
1,2,3,4,7,8-HxCDD	(ng/kg)		1.19J	
1,2,3,6,7,8-HxCDD	(ng/kg)		3.82	
1,2,3,7,8,9-HxCDD	(ng/kg)		4.14	
1,2,3,4,6,7,8-HpCDD	(ng/kg)		71.7	
OCDD	(ng/kg)		352	
2,3,7,8-TCDF	(ng/kg)		1.54	
1,2,3,7,8-PeCDF	(ng/kg)		0.956J	
2,3,4,7,8-PeCDF	(ng/kg)		1.13	
1,2,3,4,7,8-HxCDF	(ng/kg)		3.86	
1,2,3,6,7,8-HxCDF	(ng/kg)		2.57	
2,3,4,6,7,8-HxCDF	(ng/kg)		1.58J	
1,2,3,7,8,9-HxCDF	(ng/kg)		0.282U*	
1,2,3,4,6,7,8-HpCDF	(ng/kg)		129	
1,2,3,4,7,8,9-HpCDF	(ng/kg)		3.14	
OCDF	(ng/kg)		53.5	
TCDDs (total)	(ng/kg)		2.31J	
PeCDDs (total)	(ng/kg)		5.29J	15
HxCDDs (Total)	(ng/kg)		30.7J	
HpCDDs (total)	(ng/kg)		126J	3290
TCDFs (total)	(ng/kg)		10.4J	
PeCDFs (total)	(ng/kg)		20.8J	155
HxCDFs (total)	(ng/kg)		71.3J	1120
HpCDFs (total)	(ng/kg)		217J	3750
TEQ EMPC (ND=0) 1989	(ng/kg)			
TEQ EMPC (ND=0) 1998	(ng/kg)		4.6J	

Appendix BB
Sediment TCO/TOC Results

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-001	SD-001	SD-002	SD-003
		SAMPLE ID	D01917	D01918	D01919	D01921
		DATE	11/05/2001	11/05/2001	11/05/2001	11/08/2001
		DEPTH (ft)	0.25	0.75	0.13	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.00
Ending Depth	(feet)		0.50	1.00	0.25	0.50
Total Organic Carbon (TOC)	(mg/kg)					
Total Combustible Organics (TCO)	(mg/kg)		24627	19082J	12176	183665

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-003	SD-004	SD-004	SD-005
		SAMPLE ID	D01922	D01923	D01924	D01926
		DATE	11/08/2001	11/06/2001	11/06/2001	11/06/2001
		DEPTH (ft)	1.17	0.25	0.79	0.83
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.50	0.00	0.50	0.50
Ending Depth	(feet)		1.83	0.50	1.08	1.17
Total Organic Carbon (TOC)	(mg/kg)					
Total Combustible Organics (TCO)	(mg/kg)		22119	12558	11487	16927

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-005	SD-006	SD-006	SD-007
		SAMPLE ID	D01990	D01927	D01928	D01929
		DATE	11/06/2001	11/07/2001	11/07/2001	11/07/2001
		DEPTH (ft)	0.25	0.25	0.75	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.50	0.00
Ending Depth	(feet)		0.50	0.50	1.00	0.50
Total Organic Carbon (TOC)	(mg/kg)					
Total Combustible Organics (TCO)	(mg/kg)		26075J	25931J	10339	54188

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-007	SD-008	SD-008	SD-009
		SAMPLE ID	D01930	D01931	D01932	D01933
		DATE	11/07/2001	11/08/2001	11/08/2001	11/08/2001
		DEPTH (ft)	1.00	0.25	1.25	0.25
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.50	0.00	0.50	0.00
Ending Depth	(feet)		1.50	0.50	2.00	0.50
Total Organic Carbon (TOC)	(mg/kg)					
Total Combustible Organics (TCO)	(mg/kg)		18104	355410	31008	51175

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-009	SD-009	SD-010	SD-011
		SAMPLE ID	D01991	D01934	D01935	D01937
		DATE	11/08/2001	11/08/2001	11/08/2001	11/09/2001
		DEPTH (ft)	0.25	1.17	0.25	0.25
		RESULT TYPE	Duplicate 1	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.00
Ending Depth	(feet)		0.50	1.83	0.50	0.50
Total Organic Carbon (TOC)	(mg/kg)					
Total Combustible Organics (TCO)	(mg/kg)		63215	50404	42385J	38574J

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-012	SD-013	SD-013	SD-013
		SAMPLE ID	D01939	D01941	D01942	D01992
		DATE	11/09/2001	11/09/2001	11/09/2001	11/09/2001
		DEPTH (ft)	0.25	0.25	1.25	1.25
		RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Starting Depth	(feet)		0.00	0.00	0.50	0.50
Ending Depth	(feet)		0.50	0.50	2.00	2.00
Total Organic Carbon (TOC)	(mg/kg)					
Total Combustible Organics (TCO)	(mg/kg)		24174	180266J	57025	55140

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT					
	SITE	SD-014	SD-014	SD-015	SD-015
	SAMPLE ID	D01943	D01944	D01945	D01946
	DATE	11/09/2001	11/09/2001	11/07/2001	11/07/2001
	DEPTH (ft)	0.25	1.25	0.25	1.08
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	2.00	0.50	1.67
Total Organic Carbon (TOC)	(mg/kg)				
Total Combustible Organics (TCO)	(mg/kg)	37280J	54022	31830	10520J

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-016	SD-016	SD-017	SD-017
		SAMPLE ID	D01947	D01948	D01949	D01950
		DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
		DEPTH (ft)	0.25	1.25	0.25	0.88
		RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)		0.00	0.50	0.00	0.50
Ending Depth	(feet)		0.50	2.00	0.50	1.25
Total Organic Carbon (TOC)	(mg/kg)					
Total Combustible Organics (TCO)	(mg/kg)		16155	14808	35655	26437

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT					
	SITE	SD-018	SD-018	SD-019	SD-019
	SAMPLE ID	D01951	D01952	D01953	D01954
	DATE	11/12/2001	11/12/2001	11/12/2001	11/12/2001
	DEPTH (ft)	0.25	1.25	0.25	1.00
	RESULT TYPE	Primary	Primary	Primary	Primary
Starting Depth	(feet)	0.00	0.50	0.00	0.50
Ending Depth	(feet)	0.50	2.00	0.50	1.50
Total Organic Carbon (TOC)	(mg/kg)				
Total Combustible Organics (TCO)	(mg/kg)	155698J	63849J	27342	18801J

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-020	SD-020	SD-021	SD-022
		SAMPLE ID	D03445	D03446	D03447	D03448
		DATE	11/05/2002	11/05/2002	11/05/2002	11/05/2002
		DEPTH (ft)	0.25	0.25	0.25	0.25
		RESULT TYPE	Primary	Duplicate 1	Primary	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		0.50	0.50	0.50	0.50
Total Organic Carbon (TOC)	(mg/kg)		31400	53100	109000	284000
Total Combustible Organics (TCO)	(mg/kg)		84300		300000	449000

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE	SD-023	SD-024	SD-024	SD-025
		SAMPLE ID	D04221	D04222	D04227	D04223
		DATE	10/27/2003	10/28/2003	10/28/2003	10/28/2003
		DEPTH (ft)	0.25	0.25	0.25	0.25
		RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Starting Depth	(feet)		0.00	0.00	0.00	0.00
Ending Depth	(feet)		0.50	0.50	0.50	0.50
Total Organic Carbon (TOC)	(mg/kg)					
Total Combustible Organics (TCO)	(mg/kg)		80208	314199	310172	314648

Sediment TOC/TCO Results

PERIOD: From 10/16/1998 thru 10/28/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	SD-026 D04224 10/27/2003 0.25 Primary	SD-027 D04225 10/27/2003 0.25 Primary
Starting Depth	(feet)		0.00	0.00
Ending Depth	(feet)		0.50	0.50
Total Organic Carbon (TOC)	(mg/kg)			
Total Combustible Organics (TCO)	(mg/kg)		47796	90147

Appendix CC
Fish Tissue PAH Results

Fish Tissue PAH Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	BP-LMB D04251 09/25/2003 0.00 Primary	BP-WS D04252 09/25/2003 0.00 Primary	BP-YP D04253 09/25/2003 0.00 Primary	FP-WS D04254 09/25/2003 0.00 Primary
Naphthalene	(ug/kg)		4UJ	3.6J	4UJ	4.1J
2-Methylnaphthalene	(ug/kg)		4UJ	2.4J	4UJ	4.4J
Biphenyl	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Acenaphthylene	(ug/kg)		4UJ	0.58J	4UJ	0.54J
Acenaphthene	(ug/kg)		0.099J	0.68J	0.11J	0.43J
Fluorene	(ug/kg)		4UJ	1.2J	4UJ	0.73J
Phenanthrene	(ug/kg)		4UJ	2.8J	4UJ	4UJ
Anthracene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Fluoranthene	(ug/kg)		4UJ	1.2J	4UJ	4UJ
Pyrene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Benzo(a)anthracene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Chrysene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Benzo(b)fluoranthene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Benzo(k)fluoranthene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Benzo(a)pyrene	(ug/kg)		2UJ	2UJ	2UJ	2UJ
Indeno(1,2,3-cd)pyrene	(ug/kg)		2UJ	2UJ	2UJ	2UJ
Dibenz(a,h) anthracene	(ug/kg)		2UJ	2UJ	2UJ	2UJ
Benzo(g,h,i)perylene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Total PAHs	(ug/kg)		0.099J	12J	0.11J	10J

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FP-YP D04255 09/25/2003 0.00 Primary	KP-LMB D04256 09/25/2003 0.00 Primary	KP-LMB D04257 09/25/2003 0.00 Duplicate 1	RR-SITE-CRAY D04263 10/16/2003 0.00 Primary
Naphthalene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
2-Methylnaphthalene	(ug/kg)		2J	4UJ	4UJ	1.9J
Biphenyl	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Acenaphthylene	(ug/kg)		4UJ	4UJ	4UJ	0.52J
Acenaphthene	(ug/kg)		0.16J	4UJ	4UJ	0.76J
Fluorene	(ug/kg)		4UJ	4UJ	4UJ	0.88J
Phenanthrene	(ug/kg)		4UJ	4UJ	4UJ	3.3J
Anthracene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Fluoranthene	(ug/kg)		4UJ	4UJ	4UJ	4.8J
Pyrene	(ug/kg)		4UJ	4UJ	4UJ	3.6J
Benzo(a)anthracene	(ug/kg)		4UJ	4UJ	4UJ	1.1J
Chrysene	(ug/kg)		4UJ	4UJ	4UJ	2J
Benzo(b)fluoranthene	(ug/kg)		4UJ	4UJ	4UJ	1.1J
Benzo(k)fluoranthene	(ug/kg)		4UJ	4UJ	4UJ	1.2J
Benzo(a)pyrene	(ug/kg)		2UJ	2UJ	2UJ	0.82J
Indeno(1,2,3-cd)pyrene	(ug/kg)		2UJ	2UJ	2UJ	2UJ
Dibenz(a,h) anthracene	(ug/kg)		2UJ	2UJ	2UJ	2UJ
Benzo(g,h,i)perylene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Total PAHs	(ug/kg)		2.2J	2UJ	2UJ	22J

Fish Tissue PAH Results

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RR-SITE-PICK D04262 10/16/2003 0.00 Primary	RR-SITE-WS D04261 10/16/2003 0.00 Primary	RR-UP-CRAY D04260 10/16/2003 0.00 Primary	RR-UP-PICK D04259 10/16/2003 0.00 Primary
Naphthalene	(ug/kg)		4UJ	4UJ	4UJ	4UJ
2-Methylnaphthalene	(ug/kg)		1.3J	4UJ	4UJ	4UJ
Biphenyl	(ug/kg)		4UJ	4UJ	4UJ	4UJ
Acenaphthylene	(ug/kg)		0.63J	4UJ	0.43J	4UJ
Acenaphthene	(ug/kg)		1.1J	0.43J	0.31J	1J
Fluorene	(ug/kg)		1.4J	0.65J	4UJ	1.1J
Phenanthrene	(ug/kg)		3.1J	4UJ	3J	4UJ
Anthracene	(ug/kg)		0.64J	4UJ	4UJ	4UJ
Fluoranthene	(ug/kg)		3.6J	3J	5.9J	1.7J
Pyrene	(ug/kg)		2.7J	2.5J	5.1J	1.1J
Benzo(a)anthracene	(ug/kg)		1.1J	1J	1.3J	4UJ
Chrysene	(ug/kg)		2.1J	1.6J	3J	4UJ
Benzo(b)fluoranthene	(ug/kg)		1.7J	1.5J	1.6J	4UJ
Benzo(k)fluoranthene	(ug/kg)		1.4J	1.2J	1.7J	4UJ
Benzo(a)pyrene	(ug/kg)		0.84J	1J	1.4J	2UJ
Indeno(1,2,3-cd)pyrene	(ug/kg)		2UJ	1.2J	1.2J	2UJ
Dibenz(a,h) anthracene	(ug/kg)		2UJ	2UJ	2UJ	2UJ
Benzo(g,h,i)perylene	(ug/kg)		4UJ	1.1J	1.5J	4UJ
Total PAHs	(ug/kg)		22J	15J	26J	4.9J

Fish Tissue PAH Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RR-UP-WS D04258 10/16/2003 0.00 Primary
Naphthalene	(ug/kg)	4UJ
2-Methylnaphthalene	(ug/kg)	4UJ
Biphenyl	(ug/kg)	4UJ
Acenaphthylene	(ug/kg)	0.39J
Acenaphthene	(ug/kg)	0.87J
Fluorene	(ug/kg)	1.2J
Phenanthrene	(ug/kg)	4UJ
Anthracene	(ug/kg)	4UJ
Fluoranthene	(ug/kg)	1.3J
Pyrene	(ug/kg)	4UJ
Benzo(a)anthracene	(ug/kg)	4UJ
Chrysene	(ug/kg)	4UJ
Benzo(b)fluoranthene	(ug/kg)	4UJ
Benzo(k)fluoranthene	(ug/kg)	4UJ
Benzo(a)pyrene	(ug/kg)	2UJ
Indeno(1,2,3-cd)pyrene	(ug/kg)	2UJ
Dibenz(a,h) anthracene	(ug/kg)	2UJ
Benzo(g,h,i)perylene	(ug/kg)	4UJ
Total PAHs	(ug/kg)	3.8J

Appendix DD
Fish Tissue Chlorophenol Results

Fish Tissue Chlorophenol Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	BP-LMB D04251 09/25/2003 0.00 Primary	BP-WS D04252 09/25/2003 0.00 Primary	BP-YP D04253 09/25/2003 0.00 Primary	FP-WS D04254 09/25/2003 0.00 Primary
2,3,5,6-Tetrachlorophenol	(ug/kg)		78U	78U	77U	78U
2,4,5-Trichlorophenol	(ug/kg)		78U	78U	77U	78U
2,4,6-Trichlorophenol	(ug/kg)		78U	78U	77U	78U
2,4-Dichlorophenol	(ug/kg)		78U	78U	77U	78U
2-Chlorophenol	(ug/kg)		78U	78U	77U	78U
Pentachlorophenol	(ug/kg)		390U	390U	390U	1000

Fish Tissue Chlorophenol Results

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	FP-YP	KP-LMB	KP-LMB	RR-SITE-CRAY
	SAMPLE ID	D04255	D04256	D04257	D04263
	DATE	09/25/2003	09/25/2003	09/25/2003	10/16/2003
	DEPTH (ft)	0.00	0.00	0.00	0.00
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
2,3,5,6-Tetrachlorophenol	(ug/kg)	77U	77U	78U	78U
2,4,5-Trichlorophenol	(ug/kg)	77U	77U	78U	78U
2,4,6-Trichlorophenol	(ug/kg)	77U	77U	78U	78U
2,4-Dichlorophenol	(ug/kg)	77U	77U	78U	78U
2-Chlorophenol	(ug/kg)	77U	77U	78U	78U
Pentachlorophenol	(ug/kg)	960	240J	160J	390U

Fish Tissue Chlorophenol Results

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	RR-SITE-PICK	RR-SITE-WS	RR-UP-CRAY	RR-UP-PICK
	SAMPLE ID	D04262	D04261	D04260	D04259
	DATE	10/16/2003	10/16/2003	10/16/2003	10/16/2003
	DEPTH (ft)	0.00	0.00	0.00	0.00
	RESULT TYPE	Primary	Primary	Primary	Primary
2,3,5,6-Tetrachlorophenol	(ug/kg)	79U	180J	79U	78U
2,4,5-Trichlorophenol	(ug/kg)	79U	77U	79U	78U
2,4,6-Trichlorophenol	(ug/kg)	79U	77U	79U	78U
2,4-Dichlorophenol	(ug/kg)	79U	77U	79U	78U
2-Chlorophenol	(ug/kg)	79U	77U	79U	78U
Pentachlorophenol	(ug/kg)	3100	7400	390U	390U

Fish Tissue Chlorophenol Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE
		RR-UP-WS D04258 10/16/2003 0.00 Primary
2,3,5,6-Tetrachlorophenol	(ug/kg)	77U
2,4,5-Trichlorophenol	(ug/kg)	77U
2,4,6-Trichlorophenol	(ug/kg)	77U
2,4-Dichlorophenol	(ug/kg)	77U
2-Chlorophenol	(ug/kg)	77U
Pentachlorophenol	(ug/kg)	380U

Appendix EE
Fish Tissue Lipids Results

Fish Tissue Lipids Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT		SITE	BP-LMB	BP-WS	BP-YP	FP-WS
		SAMPLE ID	D04251	D04252	D04253	D04254
		DATE	09/25/2003	09/25/2003	09/25/2003	09/25/2003
		DEPTH (ft)	0.00	0.00	0.00	0.00
		RESULT TYPE	Primary	Primary	Primary	Primary
Lipids, Total	(%)		0.26	2.4	0.24	1.1

Fish Tissue Lipids Results

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE	FP-YP	KP-LMB	KP-LMB	RR-SITE-CRAY
	SAMPLE ID	D04255	D04256	D04257	D04263
	DATE	09/25/2003	09/25/2003	09/25/2003	10/16/2003
	DEPTH (ft)	0.00	0.00	0.00	0.00
	RESULT TYPE	Primary	Primary	Duplicate 1	Primary
Lipids, Total	(%)	0.26	0.13	0.1	0.59

Fish Tissue Lipids Results

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RR-SITE-PICK D04262 10/16/2003 0.00 Primary	RR-SITE-WS D04261 10/16/2003 0.00 Primary	RR-UP-CRAY D04260 10/16/2003 0.00 Primary	RR-UP-PICK D04259 10/16/2003 0.00 Primary
Lipids, Total	(%)		1.6	0.78	0.73	2.2

Fish Tissue Lipids Results

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT			
	SITE		RR-UP-WS
	SAMPLE ID		D04258
	DATE		10/16/2003
	DEPTH (ft)		0.00
	RESULT TYPE		Primary
Lipids, Total	(%)		1.4

Appendix FF
Fish Tissue Dioxin/Furan Results

Fish Tissue Dioxin/Furan Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT		SITE	BP-LMB	BP-WS	BP-YP	FP-WS
		SAMPLE ID	D04251	D04252	D04253	D04254
		DATE	09/25/2003	09/25/2003	09/25/2003	09/25/2003
		DEPTH (ft)	0.00	0.00	0.00	0.00
		RESULT TYPE	Primary	Primary	Primary	Primary
2,3,7,8-TCDD	(ng/kg)		0.216U*	0.202U*	0.137UJ	0.684U*
1,2,3,7,8-PeCDD	(ng/kg)		0.272U	0.175U	0.151U*	1.32U*
1,2,3,4,7,8-HxCDD	(ng/kg)		0.195U	0.148U*	0.0179U*	1.78U*
1,2,3,6,7,8-HxCDD	(ng/kg)		0.21U*	0.167U*	0.122U*	1.84U*
1,2,3,7,8,9-HxCDD	(ng/kg)		0.28U	0.0954U	0.106U*	1.15U
1,2,3,4,6,7,8-HpCDD	(ng/kg)		0.259U*	0.539U*	0.0398UJ	4.1UJ
OCDD	(ng/kg)		0.531UJ	0.718UJ	0.821U*	28.9UJ
2,3,7,8-TCDF	(ng/kg)		0.0856U*	0.175U	0.0996UJ	0.75U*
1,2,3,7,8-PeCDF	(ng/kg)		0.253U	0.195U	0.0578*	0.539U*
2,3,4,7,8-PeCDF	(ng/kg)		0.253U	0.189U*	0.0936U*	0.85U*
1,2,3,4,7,8-HxCDF	(ng/kg)		0.126U*	0.0837U*	0.0199UJ	1.04U*
1,2,3,6,7,8-HxCDF	(ng/kg)		0.0603U*	0.103U	0.0259U*	1.24U*
2,3,4,6,7,8-HxCDF	(ng/kg)		0.035U*	0.0973U	0.0398UJ	0.783U*
1,2,3,7,8,9-HxCDF	(ng/kg)		0.0486U*	0.0798U*	0.0398UJ	0.896U
1,2,3,4,6,7,8-HpCDF	(ng/kg)		0.154U	0.181U*	0.112U*	1.93U
1,2,3,4,7,8,9-HpCDF	(ng/kg)		0.156U	0.0623U*	0.0837U*	1.44U*
OCDF	(ng/kg)		0.389U	0.253U	0.199UJ	4.43U
TEQ EMPC (ND=0) 1989	(ng/kg)		0.0UJ	0.0UJ	0.0029J	0.0UJ

Fish Tissue Dioxin/Furan Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FP-YP D04255 09/25/2003 0.00 Primary	KP-LMB D04256 09/25/2003 0.00 Primary	KP-LMB D04257 09/25/2003 0.00 Duplicate 1	RR-SITE-CRAY D04263 10/16/2003 0.00 Primary
2,3,7,8-TCDD	(ng/kg)		0.176UJ	0.141U*	0.0967U	0.315U*
1,2,3,7,8-PeCDD	(ng/kg)		0.432U*	0.275U*	0.135U	2.78UJ
1,2,3,4,7,8-HxCDD	(ng/kg)		0.0587UJ	0.138U	0.108U*	1.77U*
1,2,3,6,7,8-HxCDD	(ng/kg)		0.532UJ	0.165U*	0.284U*	14.3
1,2,3,7,8,9-HxCDD	(ng/kg)		0.346U*	0.22U*	0.058U	4.23U
1,2,3,4,6,7,8-HpCDD	(ng/kg)		1.45U*	0.255U	0.565U*	130J
OCDD	(ng/kg)		54.1J	2.33UJ	3.66UJ	2010J
2,3,7,8-TCDF	(ng/kg)		0.299U*	0.236U	0.0967U	0.0984U
1,2,3,7,8-PeCDF	(ng/kg)		0.045*	0.177U	0.116U	0.941*
2,3,4,7,8-PeCDF	(ng/kg)		0.391U*	0.177U	0.116U	1.07U*
1,2,3,4,7,8-HxCDF	(ng/kg)		0.0783U*	0.118U	0.058U	6.5
1,2,3,6,7,8-HxCDF	(ng/kg)		0.194U*	0.0452U*	0.273U	3.93U
2,3,4,6,7,8-HxCDF	(ng/kg)		0.0587UJ	0.407U*	0.058U	1.4U
1,2,3,7,8,9-HxCDF	(ng/kg)		0.0587UJ	0.118U	0.058U	0.37U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)		0.204UJ	0.132U	0.0967U	27.8
1,2,3,4,7,8,9-HpCDF	(ng/kg)		0.0979UJ	0.216U	0.201U*	2.81U
OCDF	(ng/kg)		0.0665U*	0.275U	0.155U	41.9
TEQ EMPC (ND=0) 1989	(ng/kg)		0.056J	0.0UJ	0.0UJ	5.8J

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RR-SITE-PICK D04262 10/16/2003 0.00 Primary	RR-SITE-WS D04261 10/16/2003 0.00 Primary	RR-UP-CRAY D04260 10/16/2003 0.00 Primary	RR-UP-PICK D04259 10/16/2003 0.00 Primary
2,3,7,8-TCDD	(ng/kg)	0.234UJ	0.285U*	0.246U*	1.67
1,2,3,7,8-PeCDD	(ng/kg)	3.87UJ	0.155U	0.185U*	1.92UJ
1,2,3,4,7,8-HxCDD	(ng/kg)	1.29UJ	0.0583U	0.156U*	0.178U
1,2,3,6,7,8-HxCDD	(ng/kg)	17.9J	1.63U*	0.296U*	1.38U
1,2,3,7,8,9-HxCDD	(ng/kg)	3.76UJ	0.0388U	0.0585U	0.541U
1,2,3,4,6,7,8-HpCDD	(ng/kg)	42J	10J	4.95J	1.8UJ
OCDD	(ng/kg)	842J	310J	44.9J	4.67UJ
2,3,7,8-TCDF	(ng/kg)	1.91J	0.117U	0.657U	3.25
1,2,3,7,8-PeCDF	(ng/kg)	0.656*	0.0971U	0.156U	0.529U
2,3,4,7,8-PeCDF	(ng/kg)	1.37UJ	0.0971U	0.175U	0.889U*
1,2,3,4,7,8-HxCDF	(ng/kg)	2.9UJ	0.0583U	0.359U*	0.285U*
1,2,3,6,7,8-HxCDF	(ng/kg)	1.95UJ	0.361U*	0.187U*	0.271U*
2,3,4,6,7,8-HxCDF	(ng/kg)	0.738U*	0.124U	0.0585U	0.113U*
1,2,3,7,8,9-HxCDF	(ng/kg)	0.111UJ	0.0777U*	0.0897U*	0.0178U*
1,2,3,4,6,7,8-HpCDF	(ng/kg)	6.38J	1.98U	1.42U	0.6U*
1,2,3,4,7,8,9-HpCDF	(ng/kg)	1.02U*	0.243U*	0.15U*	0.317U
OCDF	(ng/kg)	10.1UJ	3.69U*	1.19U*	0.192U*
TEQ EMPC (ND=0) 1989	(ng/kg)	3.3J	0.41J	0.094J	2.0J

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RR-UP-WS D04258 10/16/2003 0.00 Primary
2,3,7,8-TCDD	(ng/kg)	0.564U*
1,2,3,7,8-PeCDD	(ng/kg)	0.483U*
1,2,3,4,7,8-HxCDD	(ng/kg)	0.218U*
1,2,3,6,7,8-HxCDD	(ng/kg)	0.388U*
1,2,3,7,8,9-HxCDD	(ng/kg)	0.176U*
1,2,3,4,6,7,8-HpCDD	(ng/kg)	1.4UJ
OCDD	(ng/kg)	18UJ
2,3,7,8-TCDF	(ng/kg)	0.135U
1,2,3,7,8-PeCDF	(ng/kg)	0.193U
2,3,4,7,8-PeCDF	(ng/kg)	0.334U*
1,2,3,4,7,8-HxCDF	(ng/kg)	0.153U*
1,2,3,6,7,8-HxCDF	(ng/kg)	0.116U
2,3,4,6,7,8-HxCDF	(ng/kg)	0.102U*
1,2,3,7,8,9-HxCDF	(ng/kg)	0.154U
1,2,3,4,6,7,8-HpCDF	(ng/kg)	0.305U*
1,2,3,4,7,8,9-HpCDF	(ng/kg)	0.0579U*
OCDF	(ng/kg)	0.425U*
TEQ EMPC (ND=0) 1989	(ng/kg)	0.0UJ

Appendix GG
Fish Tissue Metals Results

Fish Tissue Metals Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	BP-LMB D04251 09/25/2003 0.00 Primary	BP-WS D04252 09/25/2003 0.00 Primary	BP-YP D04253 09/25/2003 0.00 Primary	FP-WS D04254 09/25/2003 0.00 Primary
Aluminum	(ug/kg)	R	R	R	R
Antimony	(ug/kg)	49.5U	49U	49.5U	49U
Arsenic	(ug/kg)	11.7	9.8U	9.1U	40.4
Barium	(ug/kg)	51.9	113	231	152
Beryllium	(ug/kg)	962U	971U	957U	976U
Cadmium	(ug/kg)	9.6U	9.7U	9.6U	9.3U
Chromium(total)	(ug/kg)	179J	55J	187J	14.9J
Cobalt	(ug/kg)	9.7	9.7U	9.6U	9.3U
Copper	(ug/kg)	162J	289J	133J	245J
Iron	(ug/kg)	19200U	19400U	19100U	19500U
Lead	(ug/kg)	9.6U	9.9U	9.9U	9.6U
Manganese	(ug/kg)	175J	177J	2640J	611J
Nickel	(ug/kg)	54.9J	19.5J	101J	21.1J
Selenium	(ug/kg)	189	165	189	207
Silver	(ug/kg)	9.6U	9.7U	9.6U	9.3U
Thallium	(ug/kg)	9.6U	9.7U	9.6U	9.3U
Vanadium	(ug/kg)	9.9U	9.9U	10U	9.8U
Zinc	(ug/kg)	6590	9520	7070	7570

Fish Tissue Metals Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive

SAMPLE TYPE: Soil

CONSTITUENT		SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	FP-YP D04255 09/25/2003 0.00 Primary	KP-LMB D04256 09/25/2003 0.00 Primary	KP-LMB D04257 09/25/2003 0.00 Duplicate 1	RR-SITE-CRAY D04263 10/16/2003 0.00 Primary
Aluminum	(ug/kg)		R	R	R	12000J
Antimony	(ug/kg)		50U	45.9U	43.9U	50U
Arsenic	(ug/kg)		15.3	9.8U	10.1	458J
Barium	(ug/kg)		203	90.8	48.1U	63000J
Beryllium	(ug/kg)		909U	909U	952U	966U
Cadmium	(ug/kg)		9.1U	9.1U	9.5U	123J
Chromium(total)	(ug/kg)		309J	156J	61.2J	131J
Cobalt	(ug/kg)		10.3	9.1U	9.5U	195
Copper	(ug/kg)		171J	166J	162J	22500
Iron	(ug/kg)		18200U	18200U	19000U	287000
Lead	(ug/kg)		11.5	9.7U	9.6U	309J
Manganese	(ug/kg)		2630J	285J	203J	168000J
Nickel	(ug/kg)		124J	119J	34.7J	2010J
Selenium	(ug/kg)		267	180	156	172J
Silver	(ug/kg)		9.1U	9.1U	9.5U	482
Thallium	(ug/kg)		9.1U	9.1U	9.5U	18.3U
Vanadium	(ug/kg)		9.9U	9.9U	9.9U	317J
Zinc	(ug/kg)		10600	8950	7290	15600

Fish Tissue Metals Results

Date: 03/12/2004

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft) RESULT TYPE	RR-SITE-PICK D04262 10/16/2003 0.00 Primary	RR-SITE-WS D04261 10/16/2003 0.00 Primary	RR-UP-CRAY D04260 10/16/2003 0.00 Primary	RR-UP-PICK D04259 10/16/2003 0.00 Primary
Aluminum	(ug/kg)	2680J	4180J	16900J	5120J
Antimony	(ug/kg)	41.7U	47.6U	90.6	47.6U
Arsenic	(ug/kg)	130J	35.1J	260J	67.3J
Barium	(ug/kg)	8370J	1800J	56200J	3030J
Beryllium	(ug/kg)	1000U	957U	917U	980U
Cadmium	(ug/kg)	84.7J	65.8	60.9J	24.6J
Chromium(total)	(ug/kg)	211J	177J	282J	215J
Cobalt	(ug/kg)	61.4	49.1	273	63.5
Copper	(ug/kg)	1010	728	19900	815
Iron	(ug/kg)	42300	30300	517000	49700
Lead	(ug/kg)	316J	93.6	375J	238J
Manganese	(ug/kg)	43200J	27700J	246000J	35700J
Nickel	(ug/kg)	1020J	676J	1960J	594J
Selenium	(ug/kg)	355J	392	112J	344J
Silver	(ug/kg)	28.6	16.1	711	45.9
Thallium	(ug/kg)	10U	9U	18.3U	9.8U
Vanadium	(ug/kg)	129J	57.4	235J	86.8J
Zinc	(ug/kg)	51000	20300	15900	52800

Fish Tissue Metals Results

PERIOD: From 09/25/2003 thru 10/16/2003 - Inclusive
SAMPLE TYPE: Soil

CONSTITUENT		SITE: RR-UP-WS SAMPLE ID: D04258 DATE: 10/16/2003 DEPTH (ft): 0.00 RESULT TYPE: Primary
Aluminum	(ug/kg)	3260J
Antimony	(ug/kg)	46.7U
Arsenic	(ug/kg)	37J
Barium	(ug/kg)	2020J
Beryllium	(ug/kg)	971U
Cadmium	(ug/kg)	34J
Chromium(total)	(ug/kg)	216J
Cobalt	(ug/kg)	66.3
Copper	(ug/kg)	1080
Iron	(ug/kg)	56300
Lead	(ug/kg)	66.1J
Manganese	(ug/kg)	32600J
Nickel	(ug/kg)	555J
Selenium	(ug/kg)	338J
Silver	(ug/kg)	64.8
Thallium	(ug/kg)	9.7U
Vanadium	(ug/kg)	46.7J
Zinc	(ug/kg)	16500

Appendix HH
LNAPL Test Results (Teflon Disk) – VOCs

LNAPL Test Results (Teflon Disk)
VOCs

PERIOD: From 02/03/1997 thru 12/16/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01996 11/14/2001 Primary	MW-005A D01997 11/14/2001 Primary	MW-006 D01998 11/14/2001 Primary	MW-006 D01999 11/14/2001 Duplicate 1
Fuel oil no. 6	(ug/di)	45000	320000	190000	120000
Dichlorodifluoromethane	(ug/di)	2U	2U	2UJ	4U
Chloromethane	(ug/di)	2U	2U	2UJ	4U
Vinyl chloride	(ug/di)	2U	2U	2UJ	4U
Bromomethane	(ug/di)	2.2UJ	2UJ	2UJ	4UJ
Chloroethane	(ug/di)	R	R	R	R
Trichlorofluoromethane	(ug/di)	R	R	R	R
1,1-Dichloroethene	(ug/di)	2U	2U	2UJ	4U
Freon 113	(ug/di)	2UJ	2UJ	2UJ	4UJ
Acetone	(ug/di)	2UJ	2UJ	5UJ	4UJ
Carbon disulfide	(ug/di)	2U	2U	2UJ	4U
Methyl Acetate	(ug/di)	2UJ	2UJ	2UJ	4UJ
Methylene chloride	(ug/di)	3.1UJ	3.4UJ	2UJ	6.2UJ
trans-1,2-Dichloroethene	(ug/di)	2U	2U	2UJ	4U
Methyl tert-butyl ether	(ug/di)	2U	2U	2UJ	4U
1,1-Dichloroethane	(ug/di)	2U	2U	2UJ	4U
cis-1,2-Dichloroethene	(ug/di)	2U	2U	2UJ	4U
2-Butanone (MEK)	(ug/di)	2UJ	2UJ	2UJ	4UJ
Chloroform	(ug/di)	2U	2U	2UJ	4U
1,1,1-trichloroethane	(ug/di)	2U	2U	2UJ	4U
Cyclohexane	(ug/di)	2UJ	2UJ	2UJ	4UJ
Carbon tetrachloride	(ug/di)	2U	2U	2UJ	4U
Trichloroethene	(ug/di)	2U	2U	2UJ	4U
1,2-Dichloroethane	(ug/di)	2U	2U	2UJ	4U
Benzene	(ug/di)	2U	2U	2UJ	4U
Methylcyclohexane	(ug/di)	2UJ	2UJ	2UJ	4UJ
1,2-Dichloropropane	(ug/di)	2U	2U	2UJ	4U
Bromodichloromethane	(ug/di)	2U	2U	2UJ	4U
cis-1,3-Dichloropropene	(ug/di)	2U	2U	2UJ	4U
4-Methyl-2-pentanone	(ug/di)	2U	2U	2UJ	4U

LNAPL Test Results (Teflon Disk)
VOCs

PERIOD: From 02/03/1997 thru 12/16/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01996 11/14/2001 Primary	MW-005A D01997 11/14/2001 Primary	MW-006 D01998 11/14/2001 Primary	MW-006 D01999 11/14/2001 Duplicate 1
Toluene	(ug/di)	2U	2U	2UJ	4U
Trans-1,3-Dichloropropene	(ug/di)	2U	2U	2UJ	4U
1,1,2-Trichloroethane	(ug/di)	2U	2U	2UJ	4U
Tetrachloroethene	(ug/di)	2U	2U	2UJ	4U
2-Hexanone	(ug/di)	2UJ	2UJ	2UJ	4UJ
Dibromochloromethane	(ug/di)	2U	2U	2UJ	4U
1,2-Dibromoethane (EDB)	(ug/di)	2U	2U	2UJ	4UJ
Chlorobenzene	(ug/di)	2U	2U	2UJ	4U
Ethylbenzene	(ug/di)	2U	2U	2UJ	4U
Xylenes (total)	(ug/di)	2U	2U	2UJ	4U
Styrene	(ug/di)	2U	2U	2UJ	4U
Bromoform	(ug/di)	2U	2U	2UJ	4U
Isopropylbenzene	(ug/di)	2U	2U	2UJ	4U
1,1,2,2-Tetrachloroethane	(ug/di)	2U	2U	2UJ	4U
1,3-Dichlorobenzene	(ug/di)	2U	2U	2UJ	4U
1,4-Dichlorobenzene	(ug/di)	2U	2U	2UJ	4U
1,2-Dichlorobenzene	(ug/di)	2U	2U	2UJ	4U
1,2-Dibromo-3-chloropropane	(ug/di)	2U	2U	2UJ	4U
1,2,4-Trichlorobenzene	(ug/di)	2U	2U	2UJ	4U

Appendix II
LNAPL Test Results (Teflon Disk) – SVOCs

LNAPL Test Results (Teflon Disk)
SVOCs

PERIOD: From 02/03/1997 thru 12/16/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01996 11/14/2001 Primary	MW-005A D01997 11/14/2001 Primary	MW-006 D01998 11/14/2001 Primary	MW-006 D01999 11/14/2001 Duplicate 1
Benzaldehyde	(ug/dl)	40UJ	40UJ	40UJ	40UJ
Phenol	(ug/dl)	40U	40U	40U	40U
2-Chlorophenol	(ug/dl)	40U	40U	40U	40U
bis(2-Chloroethyl) ether	(ug/dl)	40U	40U	40U	40U
2-Methylphenol	(ug/dl)	40U	40U	40U	40U
2,2'-Oxybis(1-Chloropropane)	(ug/dl)	40U	40U	40U	40U
Acetophenone	(ug/dl)	40U	40U	40U	40U
4-Methylphenol	(ug/dl)	40U	40U	40U	40U
N-Nitrosodi-n-propylamine	(ug/dl)	40U	40U	40U	40U
Hexachloroethane	(ug/dl)	40U	40U	40U	40U
Nitrobenzene	(ug/dl)	40U	40U	40U	40U
Isophorone	(ug/dl)	40U	40U	40U	40U
2-Nitrophenol	(ug/dl)	40U	40U	40U	40U
2,4-Dimethylphenol	(ug/dl)	40U	40U	40U	40U
Bis(2-chloroethoxy) methane	(ug/dl)	40U	40U	40U	40U
2,4-Dichlorophenol	(ug/dl)	40U	40U	40U	40U
Naphthalene	(ug/dl)	40U	40U	40U	40U
4-Chloroaniline	(ug/dl)	40UJ	40UJ	40UJ	40UJ
Hexachlorobutadiene	(ug/dl)	40U	40U	40U	40U
Caprolactam	(ug/dl)	40U	40U	40U	40U
4-Chloro-3-methylphenol	(ug/dl)	40U	40U	40U	40U
2-Methylnaphthalene	(ug/dl)	40U	40U	40U	40U
Hexachlorocyclopentadiene	(ug/dl)	40U	40U	40U	40U
2,4,6-Trichlorophenol	(ug/dl)	40U	40U	40U	40U
2,4,5-Trichlorophenol	(ug/dl)	40U	40U	40U	40U
1,1'-Biphenyl	(ug/dl)	21J	40U	40U	40U
2-Chloronaphthalene	(ug/dl)	40U	40U	40U	40U
2-Nitroaniline	(ug/dl)	40U	40U	40U	40U
Dimethylphthalate	(ug/dl)	40U	40U	40U	40U
2,6-Dinitrotoluene	(ug/dl)	40U	40U	40U	40U

LNAPL Test Results (Teflon Disk)
SVOCs

PERIOD: From 02/03/1997 thru 12/16/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01996 11/14/2001 Primary	MW-005A D01997 11/14/2001 Primary	MW-006 D01998 11/14/2001 Primary	MW-006 D01999 11/14/2001 Duplicate 1
Acenaphthylene	(ug/di)	40U	40U	40U	40U
3-Nitroaniline	(ug/di)	40UJ	40UJ	40UJ	40UJ
Acenaphthene	(ug/di)	61	40U	40U	40U
2,4-Dinitrophenol	(ug/di)	40UJ	40UJ	40UJ	40UJ
4-Nitrophenol	(ug/di)	40U	40U	40U	40U
Dibenzofuran	(ug/di)	40	40U	40U	40U
2,4-Dinitrotoluene	(ug/di)	40U	40U	40U	40U
Diethylphthalate	(ug/di)	40U	40U	40U	40U
Fluorene	(ug/di)	62	40U	40U	40U
4-chlorophenyl-phenylether	(ug/di)	40U	40U	40U	40U
4-Nitroaniline	(ug/di)	40U	40U	40U	40U
4,6-Dinitro-2-methylphenol	(ug/di)	40UJ	40UJ	40UJ	40UJ
N-Nitrosodiphenylamine	(ug/di)	40U	40U	40U	40U
4-Bromophenyl phenylether	(ug/di)	40U	40U	40U	40U
Hexachlorobenzene	(ug/di)	40U	40U	40U	40U
Atrazine	(ug/di)	40UJ	40UJ	40UJ	40UJ
Pentachlorophenol	(ug/di)	40U	610	150	150
Phenanthrene	(ug/di)	170	40U	48	44
Anthracene	(ug/di)	18J	40U	40U	40U
Carbazole	(ug/di)	40U	40U	40U	40U
Di-n-butylphthalate	(ug/di)	40U	40U	40U	40U
Fluoranthene	(ug/di)	29J	40U	40U	40U
Pyrene	(ug/di)	33J	40U	40U	40U
Butylbenzylphthalate	(ug/di)	40U	40U	40U	40U
3,3'-Dichlorobenzidine	(ug/di)	40U	40U	40U	40U
Benzo(a)anthracene	(ug/di)	40U	40U	40U	40U
Chrysene	(ug/di)	40U	40U	40U	40U
bis(2-Ethylhexyl) phthalate	(ug/di)	24J	43	40U	40U
Di-n-octylphthalate	(ug/di)	40U	40U	40U	40U
Benzo(b)fluoranthene	(ug/di)	40U	40U	40U	40U

LNAPL Test Results (Teflon Disk)
SVOCs

PERIOD: From 02/03/1997 thru 12/16/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-002	MW-005A	MW-006	MW-006
	SAMPLE ID	D01996	D01997	D01998	D01999
	DATE	11/14/2001	11/14/2001	11/14/2001	11/14/2001
	RESULT TYPE	Primary	Primary	Primary	Duplicate 1
Benzo(k)fluoranthene	(ug/dl)	40U	40U	40U	40U
Benzo(a)pyrene	(ug/dl)	40U	40U	40U	40U
Indeno(1,2,3-cd)pyrene	(ug/dl)	40U	40U	40U	40U
Dibenzo(a,h)anthracene	(ug/dl)	40U	40U	40U	40U
Benzo(g,h,i)perylene	(ug/dl)	40U	40U	40U	40U
2,3,5,6-Tetrachlorophenol	(ug/dl)	40U	40U	40U	40U
2,6-Dimethylphenol	(ug/dl)	40U	40U	40U	40U
3,4-Dimethylphenol	(ug/dl)	40U	40U	40U	40U

Appendix JJ
LNAPL Test Results (Teflon Disk) – Metals/Cyanide

LNAPL Test Results (Teflon Disk)
Metals/Cyanide

PERIOD: From 02/03/1997 thru 12/16/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01996 11/14/2001 Primary	MW-005A D01997 11/14/2001 Primary	MW-006 D01998 11/14/2001 Primary	MW-006 D01999 11/14/2001 Duplicate 1
Aluminum	(ug/dl)	65.6J	9.8J	95.7J	87.3J
Antimony	(ug/dl)	2.8U	2.5U	2.6U	0.75U
Arsenic	(ug/dl)	3.6	0.25U	1.7	2
Barium	(ug/dl)	1.2	0.25U	0.94	0.89
Beryllium	(ug/dl)	0.25U	0.25U	0.25U	0.25U
Cadmium	(ug/dl)	0.25U	0.25U	0.25U	0.25U
Calcium	(ug/dl)	30.9	7.4J	19.4	17.1
Chromium(total)	(ug/dl)	1.5	0.26J	1.8	1.9
Cobalt	(ug/dl)	0.25U	0.25U	0.25U	0.25U
Copper	(ug/dl)	0.25U	0.25U	0.86	0.76
Iron	(ug/dl)	1730	7.4J	278	262
Lead	(ug/dl)	0.29UJ	0.58U	0.55U	0.77U
Magnesium	(ug/dl)	6.4	2.5U	10.6	9.3
Manganese	(ug/dl)	7.3	0.25U	3.5	3.3
Mercury	(ug/dl)	0.01U	0.01U	0.01U	0.01J
Nickel	(ug/dl)	0.25U	0.25U	0.25U	0.25U
Potassium	(ug/dl)	13.2J	12.5U	12.5U	13.2J
Selenium	(ug/dl)	0.25UJ	0.25UJ	0.25UJ	0.25UJ
Silver	(ug/dl)	0.25U	0.25U	0.25U	0.25U
Sodium	(ug/dl)	19.4J	12.5U	12.6J	25J
Thallium	(ug/dl)	1UJ	1UJ	1UJ	1UJ
Vanadium	(ug/dl)	0.25U	0.25U	0.25U	0.25U
Zinc	(ug/dl)	3.8	0.75U	0.75U	0.75U
Cyanide	(ug/dl)	0.5UJ	0.5UJ	0.5UJ	0.5UJ

Appendix KK
LNAPL Test Results (Teflon Disk) – Dioxin/Furans

LNAPL Test Results (Teflon Disk)
Dioxins/Furans

PERIOD: From 02/03/1997 thru 12/16/2003 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-002 D01996 11/14/2001 Primary	MW-005A D01997 11/14/2001 Primary	MW-006 D01998 11/14/2001 Primary	MW-006 D01999 11/14/2001 Duplicate 1
2,3,7,8-TCDD	(ng/di)	0.0264U*	0.0292UJ	0.0272U*	0.026U*
1,2,3,7,8-PeCDD	(ng/di)	0.12J	0.133J	0.146J	0.178J
1,2,3,4,7,8-HxCDD	(ng/di)	1.74J	1.54J	1.48J	1.85J
1,2,3,6,7,8-HxCDD	(ng/di)	6.75J	36.6J	26.6J	33.7J
1,2,3,7,8,9-HxCDD	(ng/di)	0.945J	2.84J	3.21J	3.7J
1,2,3,4,6,7,8-HpCDD	(ng/di)	198J	1270J	899J	1110J
OCDD	(ng/di)	1500J	8080J	6770J	8210J
2,3,7,8-TCDF	(ng/di)	0.0036UJ	0.0244J	0.0196J	0.0188J
1,2,3,7,8-PeCDF	(ng/di)	0.0112UJ	0.182J	0.11J	0.14J
2,3,4,7,8-PeCDF	(ng/di)	0.0516J	0.566J	0.402J	0.456J
1,2,3,4,7,8-HxCDF	(ng/di)	2.09J	4.8J	3.69J	4.57J
1,2,3,6,7,8-HxCDF	(ng/di)	0.213*	0.729J	0.682J	0.818J
2,3,4,6,7,8-HxCDF	(ng/di)	0.718J	2.15J	2.16J	2.8J
1,2,3,7,8,9-HxCDF	(ng/di)	0.463J	0.786J	0.736J	0.856J
1,2,3,4,6,7,8-HpCDF	(ng/di)	66.2J	239J	148J	182J
1,2,3,4,7,8,9-HpCDF	(ng/di)	5.67J	12.5J	9.59J	15.2J
OCDF	(ng/di)	463J	1700J	756J	946J
TCDDs (total)	(ng/di)	0.0264UJ*	0.0132UJ	0.0064UJ	0.78*
PeCDDs (total)	(ng/di)	0.218*	0.435*	8.21*	10.7*
HxCDDs (Total)	(ng/di)	17.5*	84.6J	65.1J	79.5J
HpCDDs (total)	(ng/di)	287J	1780J	1360J	1690J
TCDFs (total)	(ng/di)	0.0392*	0.225J	2.95*	3.56*
PeCDFs (total)	(ng/di)	0.364*	4.09J	56.3*	65.4*
HxCDFs (total)	(ng/di)	48*	183*	130J	167J
HpCDFs (total)	(ng/di)	389J	1460J	824J	948J
TEQ EMPC (ND=0) 1989	(ng/di)	6J	30J	22J	27J
TEQ EMPC (ND=0) 1998	(ng/di)	4.3J	22J	16J	19J

Appendix LL
LNAPL Test Results (Pure Product) –VOCs

LNAPL Test Results (Pure Product)
VOCs

PERIOD: From 11/14/2001 thru 11/19/2001 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-012 D02000 11/14/2001 Primary	MW-012 D02001 11/14/2001 Duplicate 1
Fuel oil no. 6	(mg/kg)	2.7e+006J	2.6e+006J
Acetone	(mg/kg)	16UJ	11J
Carbon disulfide	(mg/kg)	16U	16U
Methyl Acetate	(mg/kg)	16UJ	16UJ
Methylene chloride	(mg/kg)	21UJ	20UJ
trans-1,2-Dichloroethene	(mg/kg)	16U	16U
Methyl tert-butyl ether	(mg/kg)	16U	16U
1,1-Dichloroethane	(mg/kg)	16U	16U
cis-1,2-Dichloroethene	(mg/kg)	16U	16U
2-Butanone (MEK)	(mg/kg)	16UJ	16UJ
Chloroform	(mg/kg)	16U	16U
Dichlorodifluoromethane	(mg/kg)	16U	16U
1,1,1-trichloroethane	(mg/kg)	16U	16U
Cyclohexane	(mg/kg)	16UJ	16UJ
Carbon tetrachloride	(mg/kg)	16U	16U
Trichloroethene	(mg/kg)	16U	16U
1,2-Dichloroethane	(mg/kg)	16U	16U
Benzene	(mg/kg)	16U	16U
Methylcyclohexane	(mg/kg)	11J	11J
1,2-Dichloropropane	(mg/kg)	16U	16U
Bromodichloromethane	(mg/kg)	16U	16U
cis-1,3-Dichloropropene	(mg/kg)	16U	16U
Chloromethane	(mg/kg)	16U	16U
4-Methyl-2-pentanone	(mg/kg)	16U	16U
Toluene	(mg/kg)	16U	16U
Trans-1,3-Dichloropropene	(mg/kg)	16U	16U
1,1,2-Trichloroethane	(mg/kg)	16U	16U
Tetrachloroethene	(mg/kg)	16U	16U
2-Hexanone	(mg/kg)	16U	16U
Dibromochloromethane	(mg/kg)	16U	16U

LNAPL Test Results (Pure Product)
VOCs

PERIOD: From 11/14/2001 thru 11/19/2001 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-012 D02000 11/14/2001 Primary	MW-012 D02001 11/14/2001 Duplicate 1
1,2-Dibromoethane (EDB)	(mg/kg)	16U	16U
Chlorobenzene	(mg/kg)	16U	16U
Ethylbenzene	(mg/kg)	16U	16U
Vinyl chloride	(mg/kg)	16U	16U
Xylenes (total)	(mg/kg)	98J	96J
Styrene	(mg/kg)	16U	16U
Bromoform	(mg/kg)	16U	16U
Isopropylbenzene	(mg/kg)	16U	8J
1,1,2,2-Tetrachloroethane	(mg/kg)	16U	16U
1,3-Dichlorobenzene	(mg/kg)	16U	16U
1,4-Dichlorobenzene	(mg/kg)	16U	16U
1,2-Dichlorobenzene	(mg/kg)	16U	16U
1,2-Dibromo-3-chloropropane	(mg/kg)	16U	16U
1,2,4-Trichlorobenzene	(mg/kg)	16U	16U
Bromomethane	(mg/kg)	16UJ	16UJ
Chloroethane	(mg/kg)	R	R
Trichlorofluoromethane	(mg/kg)	R	R
1,1-Dichloroethene	(mg/kg)	16U	16U
Freon 113	(mg/kg)	16UJ	16UJ

Appendix MM
LNAPL Test Results (Pure Product) – SVOCs

LNAPL Test Results (Pure Product)
SVOCs

PERIOD: From 11/14/2001 thru 11/19/2001 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-012 D02000 11/14/2001 Primary	MW-012 D02001 11/14/2001 Duplicate 1
Benzaldehyde	(mg/kg)	180UJ	200UJ
Hexachloroethane	(mg/kg)	180U	200U
Nitrobenzene	(mg/kg)	180U	200U
Isophorone	(mg/kg)	180U	200U
2-Nitrophenol	(mg/kg)	180U	200U
2,4-Dimethylphenol	(mg/kg)	180U	200U
Bis(2-chloroethoxy) methane	(mg/kg)	180U	200U
2,4-Dichlorophenol	(mg/kg)	180U	200U
Naphthalene	(mg/kg)	96J	110J
4-Chloroaniline	(mg/kg)	180UJ	200UJ
Hexachlorobutadiene	(mg/kg)	180U	200U
Phenol	(mg/kg)	180U	200U
Caprolactam	(mg/kg)	180U	200U
4-Chloro-3-methylphenol	(mg/kg)	180U	200U
2-Methylnaphthalene	(mg/kg)	1000	950
Hexachlorocyclopentadiene	(mg/kg)	180UJ	200UJ
2,4,6-Trichlorophenol	(mg/kg)	180U	200U
2,4,5-Trichlorophenol	(mg/kg)	180U	200U
1,1'-Biphenyl	(mg/kg)	170J	160J
2-Chloronaphthalene	(mg/kg)	180U	200U
2-Nitroaniline	(mg/kg)	180U	200U
Dimethylphthalate	(mg/kg)	180U	200U
2-Chlorophenol	(mg/kg)	180U	200U
2,6-Dinitrotoluene	(mg/kg)	180U	200U
Acenaphthylene	(mg/kg)	180U	200U
3-Nitroaniline	(mg/kg)	180UJ	200UJ
Acenaphthene	(mg/kg)	200	190J
2,4-Dinitrophenol	(mg/kg)	180UJ	200UJ
4-Nitrophenol	(mg/kg)	180U	200U
Dibenzofuran	(mg/kg)	180U	200U

LNAPL Test Results (Pure Product)
SVOCs

PERIOD: From 11/14/2001 thru 11/19/2001 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-012 D02000 11/14/2001 Primary	MW-012 D02001 11/14/2001 Duplicate 1
2,4-Dinitrotoluene	(mg/kg)	180U	200U
Diethylphthalate	(mg/kg)	180U	200U
Fluorene	(mg/kg)	230	230
bis(2-Chloroethyl) ether	(mg/kg)	180U	200U
4-chlorophenyl-phenylether	(mg/kg)	180U	200U
4-Nitroaniline	(mg/kg)	180U	200U
4,6-Dinitro-2-methylphenol	(mg/kg)	180UJ	200UJ
N-Nitrosodiphenylamine	(mg/kg)	180U	200U
4-Bromophenyl phenylether	(mg/kg)	180U	200U
Hexachlorobenzene	(mg/kg)	180U	200U
Atrazine	(mg/kg)	180UJ	200UJ
Pentachlorophenol	(mg/kg)	19000	17000
Phenanthrene	(mg/kg)	560	510
Anthracene	(mg/kg)	110J	100J
2-Methylphenol	(mg/kg)	180U	200U
Carbazole	(mg/kg)	180U	200U
Di-n-butylphthalate	(mg/kg)	180U	200U
Fluoranthene	(mg/kg)	180U	200U
Pyrene	(mg/kg)	180U	200U
Butylbenzylphthalate	(mg/kg)	180U	200U
3,3'-Dichlorobenzidine	(mg/kg)	180U	200U
Benzo(a)anthracene	(mg/kg)	180U	200U
Chrysene	(mg/kg)	180U	200U
bis(2-Ethylhexyl) phthalate	(mg/kg)	180U	200U
Di-n-octylphthalate	(mg/kg)	180U	200U
2,2'-Oxybis(1-Chloropropane)	(mg/kg)	180U	200U
Benzo(b)fluoranthene	(mg/kg)	180U	200U
Benzo(k)fluoranthene	(mg/kg)	180U	200U
Benzo(a)pyrene	(mg/kg)	180U	200U
Indeno(1,2,3-cd)pyrene	(mg/kg)	180U	200U

LNAPL Test Results (Pure Product)
SVOCs

PERIOD: From 11/14/2001 thru 11/19/2001 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE	MW-012	MW-012
	SAMPLE ID	D02000	D02001
	DATE	11/14/2001	11/14/2001
	RESULT TYPE	Primary	Duplicate 1
Dibenzo(a,h)anthracene	(mg/kg)	180U	200U
Benzo(g,h,i)perylene	(mg/kg)	180U	200U
2,3,5,6-Tetrachlorophenol	(mg/kg)	420	440
2,6-Dimethylphenol	(mg/kg)	180U	200U
3,4-Dimethylphenol	(mg/kg)	180U	200U
Acetophenone	(mg/kg)	180U	200U
4-Methylphenol	(mg/kg)	180U	200U
N-Nitrosodi-n-propylamine	(mg/kg)	180U	200U

Appendix NN
LNAPL Test Results (Pure Product) – Metals/Cyanide

LNAPL Test Results (Pure Product)
Metals/Cyanide

PERIOD: From 11/14/2001 thru 11/19/2001 - Inclusive
SAMPLE TYPE: Water

CONSTITUENT	SITE SAMPLE ID DATE RESULT TYPE	MW-012 D02000 11/14/2001 Primary	MW-012 D02001 11/14/2001 Duplicate 1
Aluminum	(mg/kg)	27.6J	28J
Antimony	(mg/kg)	5.3U	5.6U
Arsenic	(mg/kg)	0.49U	0.49U
Barium	(mg/kg)	0.49U	0.49U
Beryllium	(mg/kg)	0.49U	0.49U
Cadmium	(mg/kg)	0.49U	0.49U
Calcium	(mg/kg)	9.8U	9.8U
Chromium(total)	(mg/kg)	14.3	14.5
Cobalt	(mg/kg)	0.49U	0.49U
Copper	(mg/kg)	0.49U	0.49U
Iron	(mg/kg)	11.7J	12J
Lead	(mg/kg)	0.74UJ	1.2U
Magnesium	(mg/kg)	4.9U	4.9U
Manganese	(mg/kg)	0.49U	0.49U
Mercury	(mg/kg)	0.02U	0.03J
Nickel	(mg/kg)	0.49U	0.49U
Potassium	(mg/kg)	24.5U	24.5U
Selenium	(mg/kg)	0.52J	0.8J
Silver	(mg/kg)	0.49U	0.49U
Sodium	(mg/kg)	24.5U	24.5U
Thallium	(mg/kg)	2UJ	2UJ
Vanadium	(mg/kg)	0.49U	0.49U
Zinc	(mg/kg)	1.5U	1.5U
Cyanide	(mg/kg)	1UJ	1UJ

Appendix OO
Particle Size Data

Southwest Research Institute
Grain Size Report

010063

SwRI Sample ID: 170707
Work Order #: 21247
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01917
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve of +10

Total Sample Wt: 272.26

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	55.46	20.4	79.6
#4	59.15	42.1	57.9
#10	58.15	63.5	36.5

Date Analyzed: 12/03/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.42

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	24.06	47.48	220.24	80.9	19.1
#40	14.88	76.85	249.61	91.7	8.3
#60	5.76	88.21	260.97	95.9	4.1
#100	3.10	94.33	267.09	98.1	1.9
#200	0.79	95.89	268.65	98.7	1.3

Date Analyzed: 12/05/2001

Specific Gravity: 2.54 Hydrometer ID: 152-H-004

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	8	5	3	15.0	0.0386	2.222
20	5	8	5	3	15.0	0.0244	2.222
20	15	7	5	2	15.2	0.0142	1.482
20	30	7	5	2	15.2	0.0100	1.482
20	60	7	5	2	15.2	0.0071	1.482
20	250	6	5	1	15.3	0.0035	0.741
20	1440	6	5	1	15.3	0.0015	0.741

Date Analyzed: 12/04/2001

Southwest Research Institute

010064

Grain Size Report

SwRI Sample ID:	170707D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01917	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 272.26

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	55.45	20.4	79.6
#4	59.12	42.1	57.9
#10	58.01	63.4	36.6

Date Analyzed: 12/03/2001

Southwest Research Institute
Grain Size RPD Report

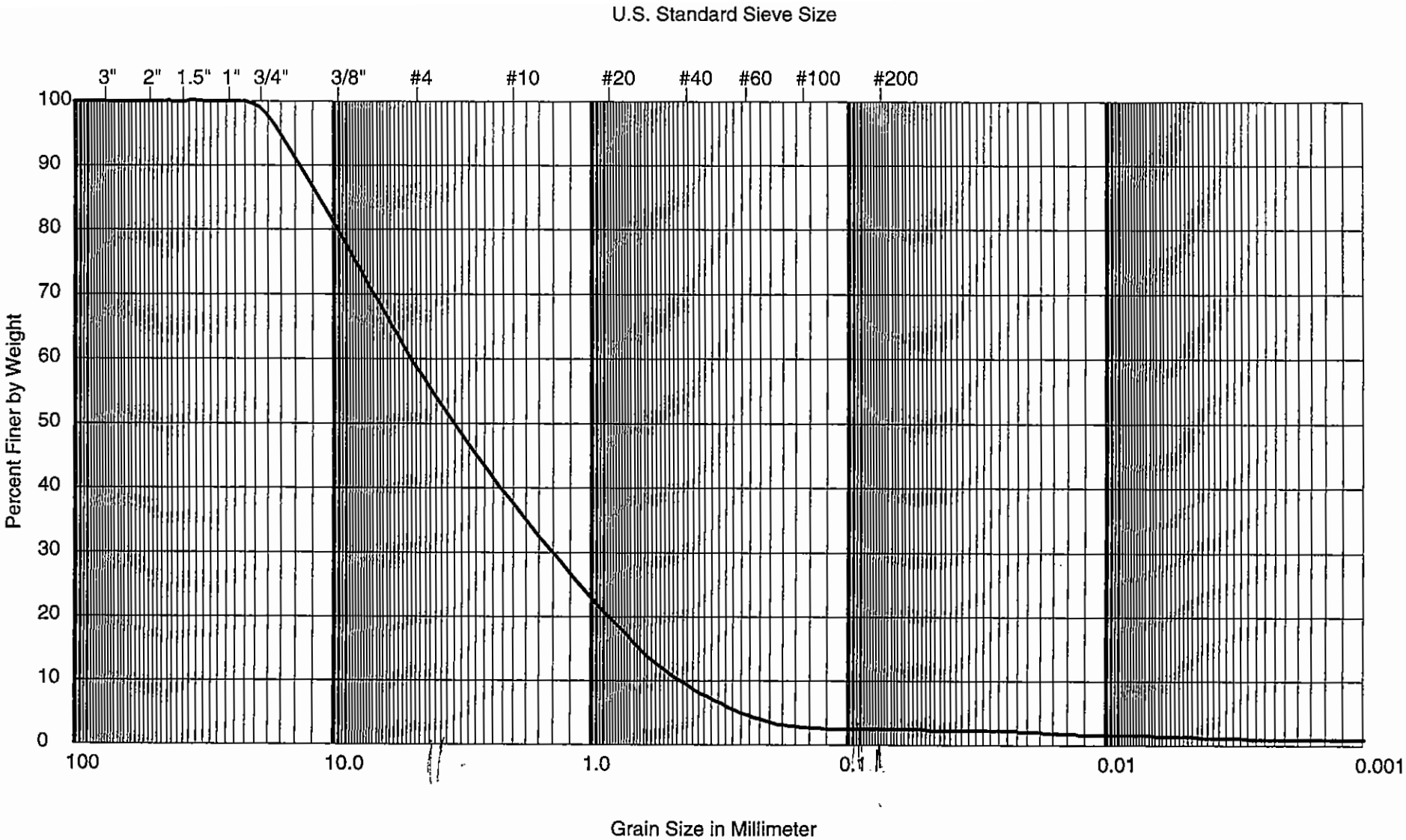
SwRI Sample ID: 170707
Work Order: 21247
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01917
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	79.6	79.6	79.6	0.0
#4 (4.75 mm)	57.9	57.9	57.9	0.0
#10 (2.00 mm)	36.5	36.6	36.6	0.2



SwRI Sample ID: 170707

Work Order: 21247

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01917

Sample Matrix: SEDIMENT

01006

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170708	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01918	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 246.98

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	34.12	13.8	86.2
#4	55.57	36.3	63.7
#10	68.41	64.0	36.0

Date Analyzed: 12/03/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.01					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	29.72	52.82	210.92	85.4	14.6
#40	13.31	76.47	234.57	95.0	5.0
#60	4.00	83.58	241.68	97.9	2.1
#100	1.30	85.89	243.99	98.8	1.2
#200	0.43	86.66	244.76	99.1	0.9

Date Analyzed: 12/06/2001

Specific Gravity: 2.59				Hydrometer ID: 152-H-005			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	6	4	2	15.3	0.0384	1.456
20	5	6	4	2	15.3	0.0243	1.456
20	15	6	4	2	15.3	0.0140	1.456
20	30	6	4	2	15.3	0.0099	1.456
20	60	6	4	2	15.3	0.0070	1.456
20	250	6	4	2	15.3	0.0034	1.456
20	1440	5	4	1	15.5	0.0014	0.728

Date Analyzed: 12/04/2001

010068

Southwest Research Institute
Grain Size Report

SwRI Sample ID: 170708D
Work Order #: 21247
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01918
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve of +10

Total Sample Wt: 246.98

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	34.12	13.8	86.2
#4	55.27	36.2	63.8
#10	66.99	63.3	36.7

Date Analyzed: 12/03/01

Southwest Research Institute
Grain Size RPD Report

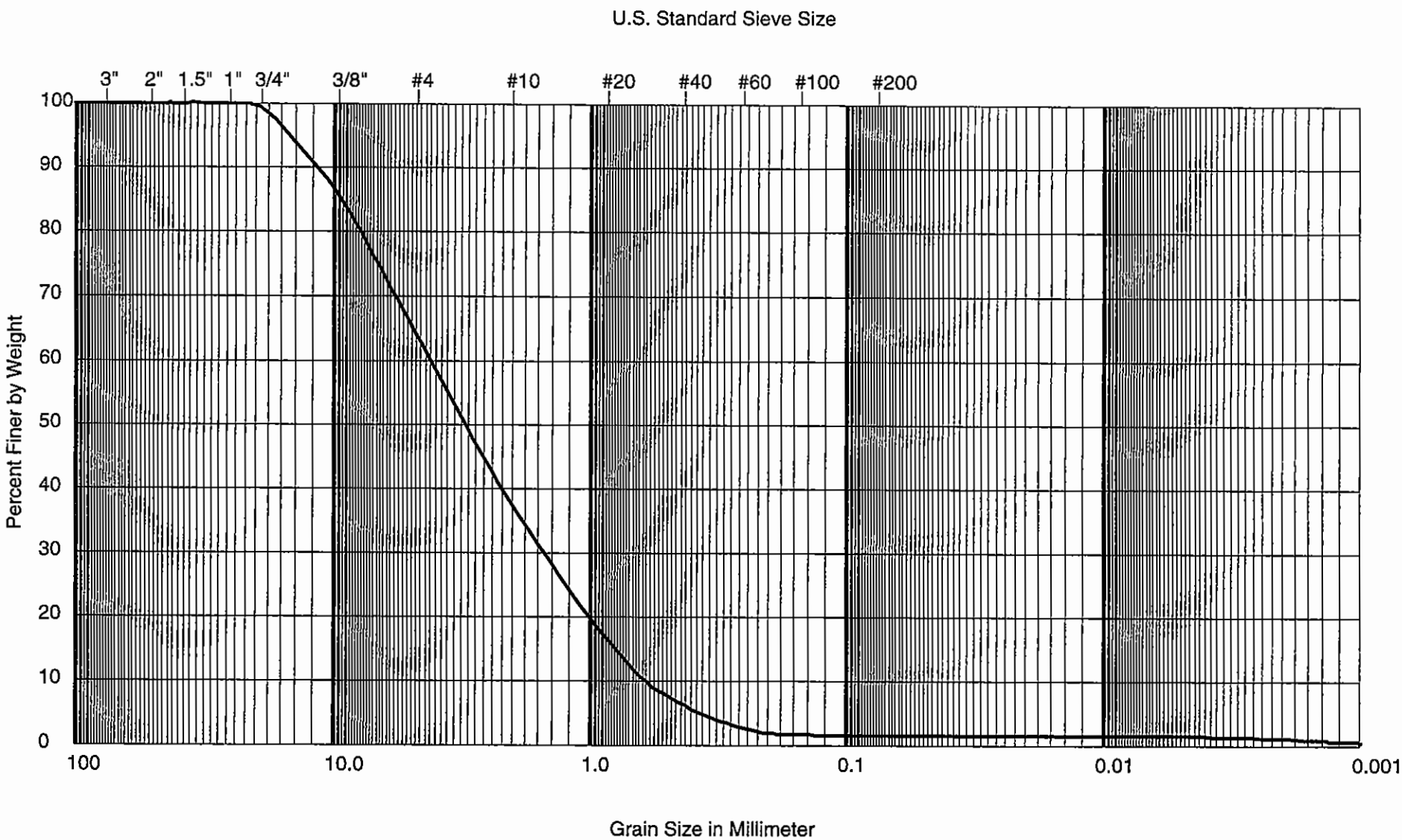
SwRI Sample ID: 170708
Work Order: 21247
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01918
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	86.2	86.2	86.2	0
#4 (4.75 mm)	63.7	63.8	63.7	0.2
#10 (2.00 mm)	36.0	36.7	36.3	1.9



SwRI Sample ID: 170708
Work Order: 21247
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01918
Sample Matrix: SEDIMENT

020070

Southwest Research Institute
Grain Size Report

010071

SwRI Sample ID:	170709	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01919	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 250.06

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	4.90	2.0	98.0
#4	1.12	2.4	97.6
#10	17.51	9.4	90.6

Date Analyzed: 12/03/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.20

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	12.73	57.44	80.97	32.4	67.6
#40	23.86	165.11	188.64	75.4	24.6
#60	9.30	207.08	230.61	92.2	7.8
#100	2.96	220.44	243.97	97.6	2.4
#200	0.56	222.97	246.50	98.6	1.4

Date Analyzed: 12/06/2001

Specific Gravity: 2.61 Hydrometer ID: 152-H-006

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	6	4	2	15.3	0.0382	3.638
20	5	6	4	2	15.3	0.0241	3.638
20	15	6	4	2	15.3	0.0139	3.638
20	30	6	4	2	15.3	0.0099	3.638
20	60	6	4	2	15.3	0.0070	3.638
20	250	6	4	2	15.3	0.0034	3.638
20	1440	5	4	1	15.5	0.0014	1.819

Date Analyzed: 12/04/2001

010072

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170709D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01919	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 250.06

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	4.90	2.0	98.0
#4	1.12	2.4	97.6
#10	17.32	9.3	90.7

Date Analyzed: 12/03/01

010073

Southwest Research Institute
Grain Size RPD Report

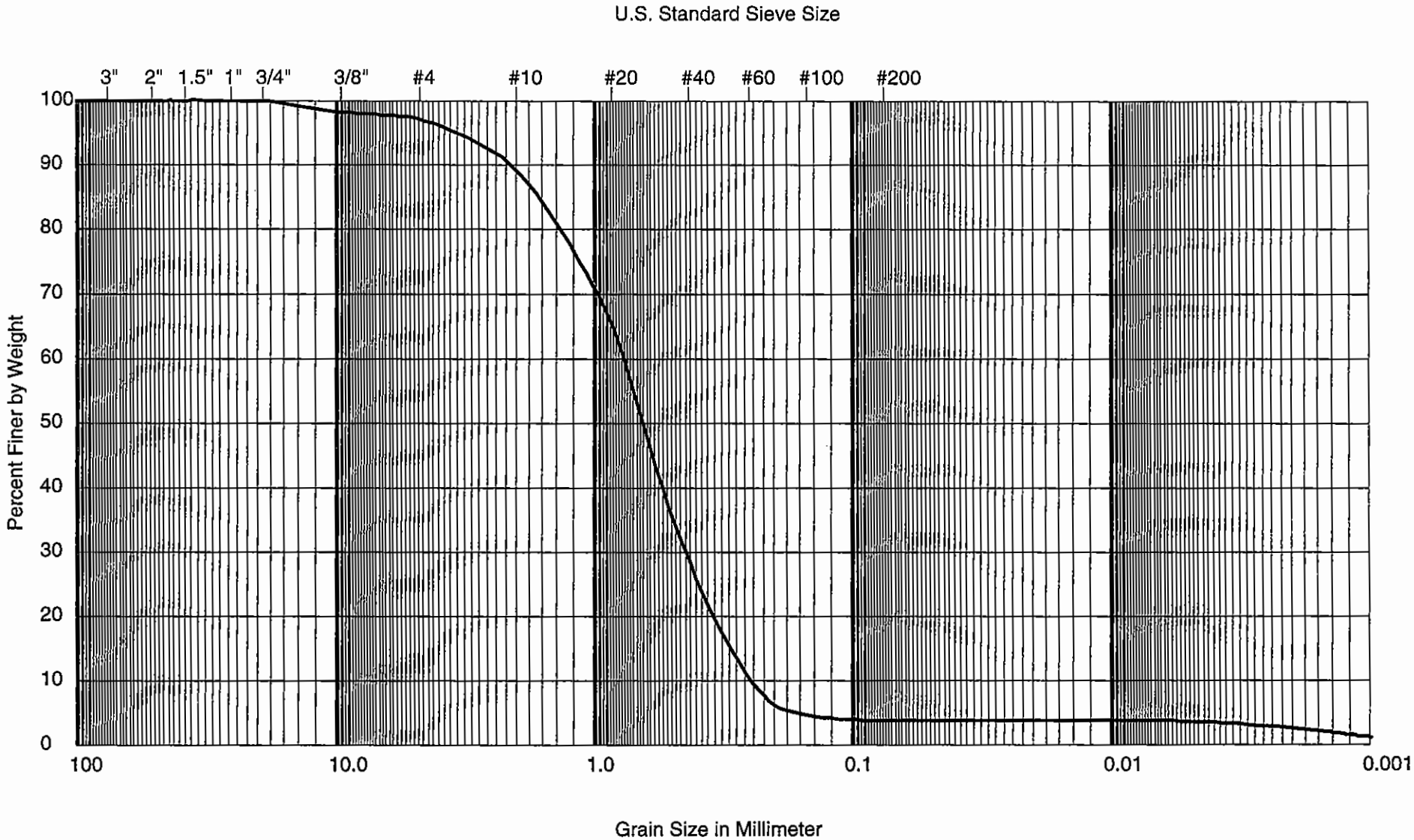
SwRI Sample ID: 170709
Work Order: 21247
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01919
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	98.0	98.0	98.0	0
#4 (4.75 mm)	97.6	97.6	97.6	0
#10 (2.00 mm)	90.6	90.7	90.6	0.1



SwRI Sample ID: 170709
Work Order: 21247
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01919
Sample Matrix: SEDIMENT

010074

Southwest Research Institute
Grain Size Report

010075

SwRI Sample ID:	170710	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01923	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 234.65

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	10.65	4.5	95.5
3/8"	30.13	17.4	82.6
#4	29.80	30.1	69.9
#10	26.16	41.2	58.8

Date Analyzed: 12/03/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.27					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	3.50	9.60	106.34	45.3	54.7
#40	4.04	20.69	117.43	50.0	50.0
#60	7.35	40.85	137.59	58.6	41.4
#100	9.92	68.06	164.80	70.2	29.8
#200	7.25	87.95	184.69	78.7	21.3

Date Analyzed: 12/06/2001

Specific Gravity: 2.56				Hydrometer ID: 152-H-007			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	17	5	12	13.5	0.0364	14.282
20	5	14	5	9	14.0	0.0235	10.712
20	15	11	5	6	14.5	0.0138	7.141
20	30	11	5	6	14.5	0.0097	7.141
20	60	10	5	5	14.7	0.0069	5.951
20	250	9	5	4	14.8	0.0034	4.761
20	1440	9	5	4	14.8	0.0014	4.761

Date Analyzed: 12/04/2001

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170710D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01923	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 234.65

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	10.65	4.5	95.5
3/8"	30.13	17.4	82.6
#4	29.80	30.1	69.9
#10	25.96	41.1	58.9

Date Analyzed: 12/03/2001

Southwest Research Institute
Grain Size RPD Report

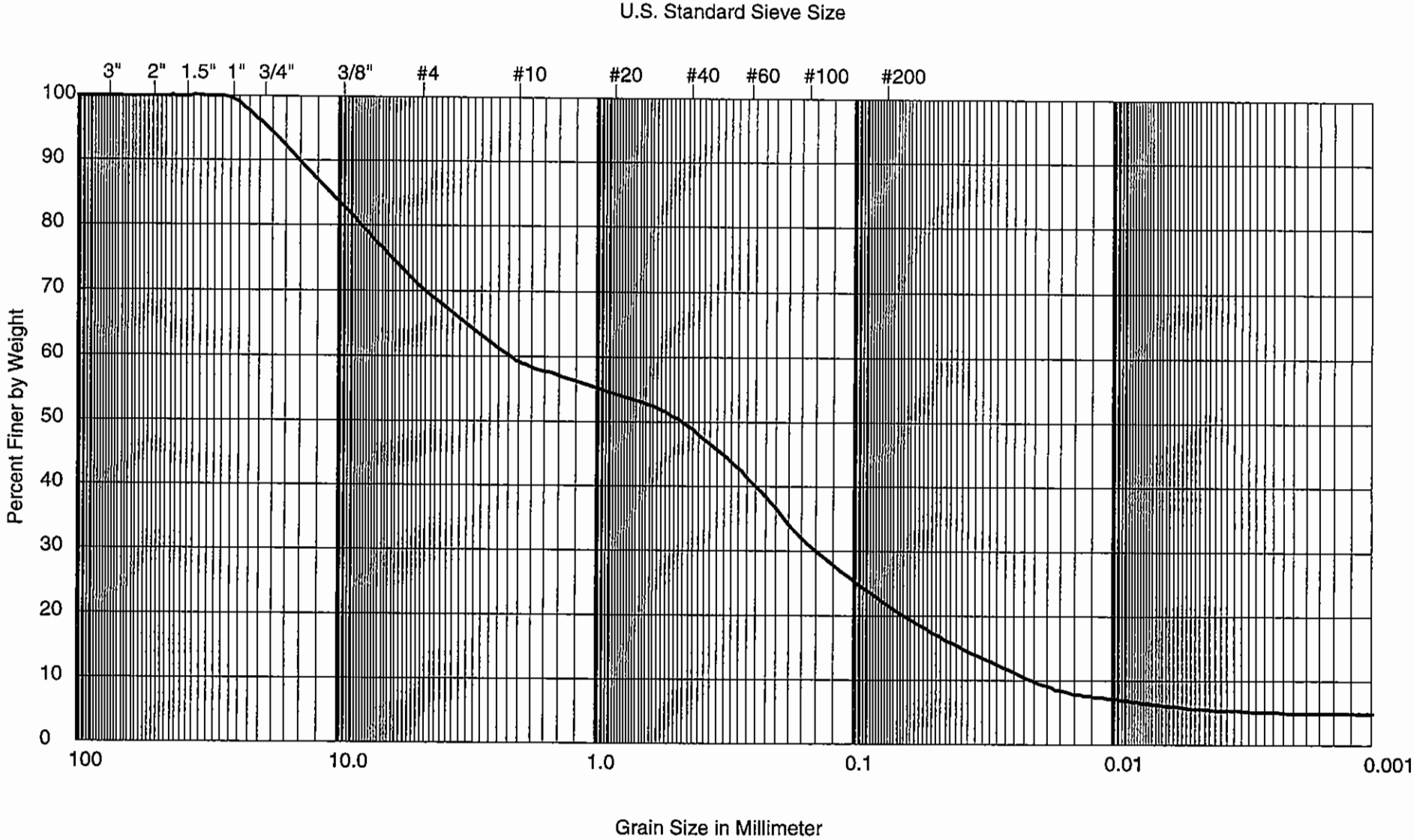
SwRI Sample ID: 170710D
Work Order: 21247
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01923
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	95.5	95.5	95.5	0
3/8" (9.5 mm)	82.6	82.6	82.6	0
#4 (4.75 mm)	69.9	69.9	69.9	0
#10 (2.00 mm)	58.8	58.9	58.8	0.1



SwRI Sample ID: 170710

Work Order: 21247

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01923

Sample Matrix: SEDIMENT

010078

010079

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170710Z	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01923	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 236.54

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	11.01	4.7	95.3
3/8"	31.42	17.9	82.1
#4	31.21	31.1	68.9
#10	25.94	42.1	57.9

Date Analyzed: 12/03/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.21					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	3.58	9.77	109.35	46.2	53.8
#40	3.84	20.24	119.82	50.7	49.3
#60	7.61	41.00	140.58	59.4	40.6
#100	9.81	67.76	167.34	70.7	29.3
#200	7.15	87.26	186.84	79.0	21.0

Date Analyzed: 12/06/2001

Specific Gravity: 2.56				Hydrometer ID: 152-H-008			
Temp.	Reading Time	Hydro. Reading	Hydro: Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	17	5	12	13.5	0.0364	14.087
20	5	13	5	8	14.2	0.0236	9.392
20	15	11	5	6	14.5	0.0138	7.044
20	30	10	5	5	14.7	0.0098	5.870
20	60	10	5	5	14.7	0.0069	5.870
20	250	9	5	4	14.8	0.0034	4.696
20	1440	9	5	4	14.8	0.0014	4.696

Date Analyzed: 12/04/2001

010080

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170710ZD	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01923	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 236.54

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	11.01	4.7	95.3
3/8"	31.42	17.9	82.1
#4	31.21	31.1	68.9
#10	25.84	42.1	57.9

Date Analyzed: 12/03/01

Southwest Research Institute
Grain Size RPD Report

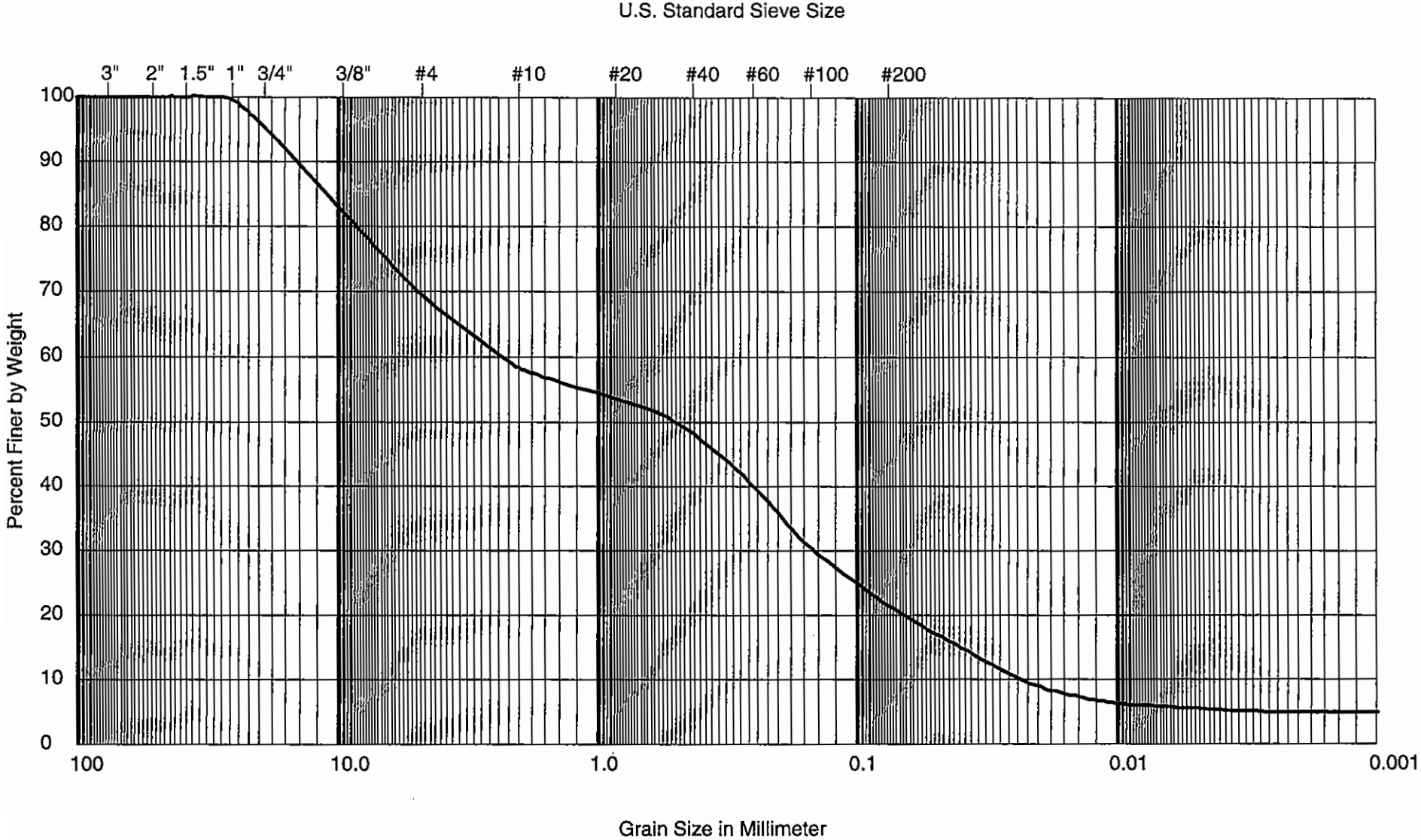
SwRI Sample ID: 170710Z
Work Order: 21247
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01923
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	95.3	95.3	95.3	0
3/8" (9.5 mm)	82.1	82.1	82.1	0
#4 (4.75 mm)	68.9	68.9	68.9	0
#10 (2.00 mm)	57.9	57.9	57.9	0.1



SwRI Sample ID: 170710Z

Work Order: 21247

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01923

Sample Matrix: SEDIMENT

010082

Southwest Research Institute
Grain Size Duplicate Report

010083

SwRI Sample ID: 170710
Work Order: 21247
Project: 03159.12.00x

Client: METCALF & EDDY
Client Sample ID: D01923
Sample Matrix: SEDIMENT

Case: DAS-0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	%RPD
3"	100	100	0
2"	100	100	0
1 1/2"	100	100	0
1"	100	100	0
3/4"	95.5	95.3	0.21
3/8"	82.6	82.1	0.61
#4	69.9	68.9	1.44
#10	58.8	57.9	1.54
#20	54.7	53.8	1.66
#40	50	49.3	1.41
#60	41.4	40.6	1.95
#100	29.8	29.3	1.69
#200	21.3	21	1.42

Hyrometer Analysis

Reading Time, min	% Finer	% Finer	%RPD
2	14.282	14.087	1.37
5	10.712	9.392	13.13
15	7.141	7.044	1.37
30	7.141	5.870	19.54
60	5.951	5.870	1.37
250	4.761	4.696	1.37
1440	4.761	4.696	1.37

Southwest Research Institute
Grain Size Report

010084

SwRI Sample ID: 170711
Work Order #: 21247
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01924
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve of +10

Total Sample Wt: 253.38

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	36.83	14.5	85.5
#4	43.78	31.8	68.2
#10	32.04	44.5	55.5

Date Analyzed: 12/03/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.08					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	1.15	3.23	115.88	45.7	54.3
#40	1.94	8.68	121.33	47.9	52.1
#60	5.77	24.90	137.55	54.3	45.7
#100	9.87	52.63	165.28	65.2	34.8
#200	8.90	77.64	190.29	75.1	24.9

Date Analyzed: 12/06/01

Specific Gravity: 2.55				Hydrometer ID: 152-H-009			
Temp.	Reading Time	Hydro. Reading	Hydro: Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	17	4	13	13.5	0.0365	14.706
20	5	13	4	9	14.2	0.0237	10.181
20	15	11	4	7	14.5	0.0138	7.919
20	30	10	4	6	14.7	0.0098	6.787
20	60	10	4	6	14.7	0.0070	6.787
20	250	8	4	4	15.0	0.0034	4.525
20	1440	6	4	2	15.3	0.0014	2.262

Date Analyzed: 12/04/01

010085

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170711D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01924	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 253.38

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	36.75	14.5	85.5
#4	43.65	31.7	68.3
#10	31.64	44.2	55.8

Date Analyzed: 12/03/01

Southwest Research Institute
Grain Size RPD Report

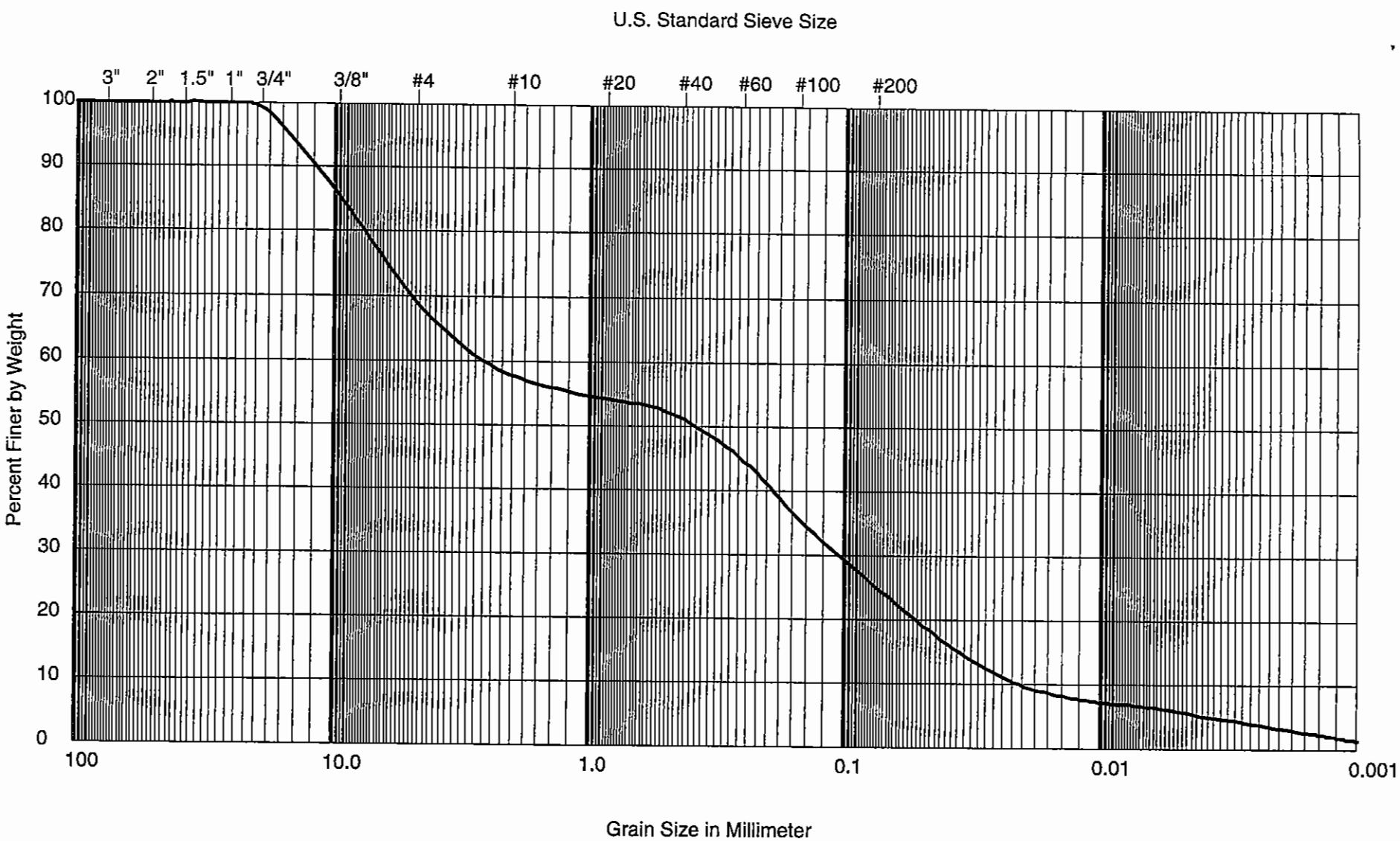
SwRI Sample ID: 170711
Work Order: 21247
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01924
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	85.5	85.5	85.5	0.0
#4 (4.75 mm)	68.2	68.3	68.2	0.1
#10 (2.00 mm)	55.5	55.8	55.7	0.4



SwRI Sample ID: 170711
Work Order: 21247
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01924
Sample Matrix: SEDIMENT

010087

Southwest Research Institute

010088

Grain Size Report

SwRI Sample ID:	170713	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01926	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 227.58

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	27.50	12.1	87.9
#4	21.81	21.7	78.3
#10	29.92	34.8	65.2

Date Analyzed: 12/03/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.05					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	9.56	28.34	107.57	47.3	52.7
#40	13.27	67.67	146.90	64.5	35.5
#60	15.40	113.32	192.55	84.6	15.4
#100	6.65	133.03	212.26	93.3	6.7
#200	1.79	138.33	217.56	95.6	4.4

Date Analyzed: 12/06/01

Specific Gravity: 2.58				Hydrometer ID: 152-H-001			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	10	6	4	14.7	0.0378	5.283
20	5	9	6	3	14.8	0.0240	3.962
20	15	9	6	3	14.8	0.0138	3.962
20	30	8	6	2	15.0	0.0099	2.641
20	60	8	6	2	15.0	0.0070	2.641
20	250	8	6	2	15.0	0.0034	2.641
20	1440	8	6	2	15.0	0.0014	2.641

Date Analyzed: 12/04/01

Southwest Research Institute

010089

Grain Size Report

SwRI Sample ID:	170713D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01926	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 227.58

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	27.50	12.1	87.9
#4	21.72	21.6	78.4
#10	29.56	34.6	65.4

Date Analyzed: 12/03/01

Southwest Research Institute
Grain Size RPD Report

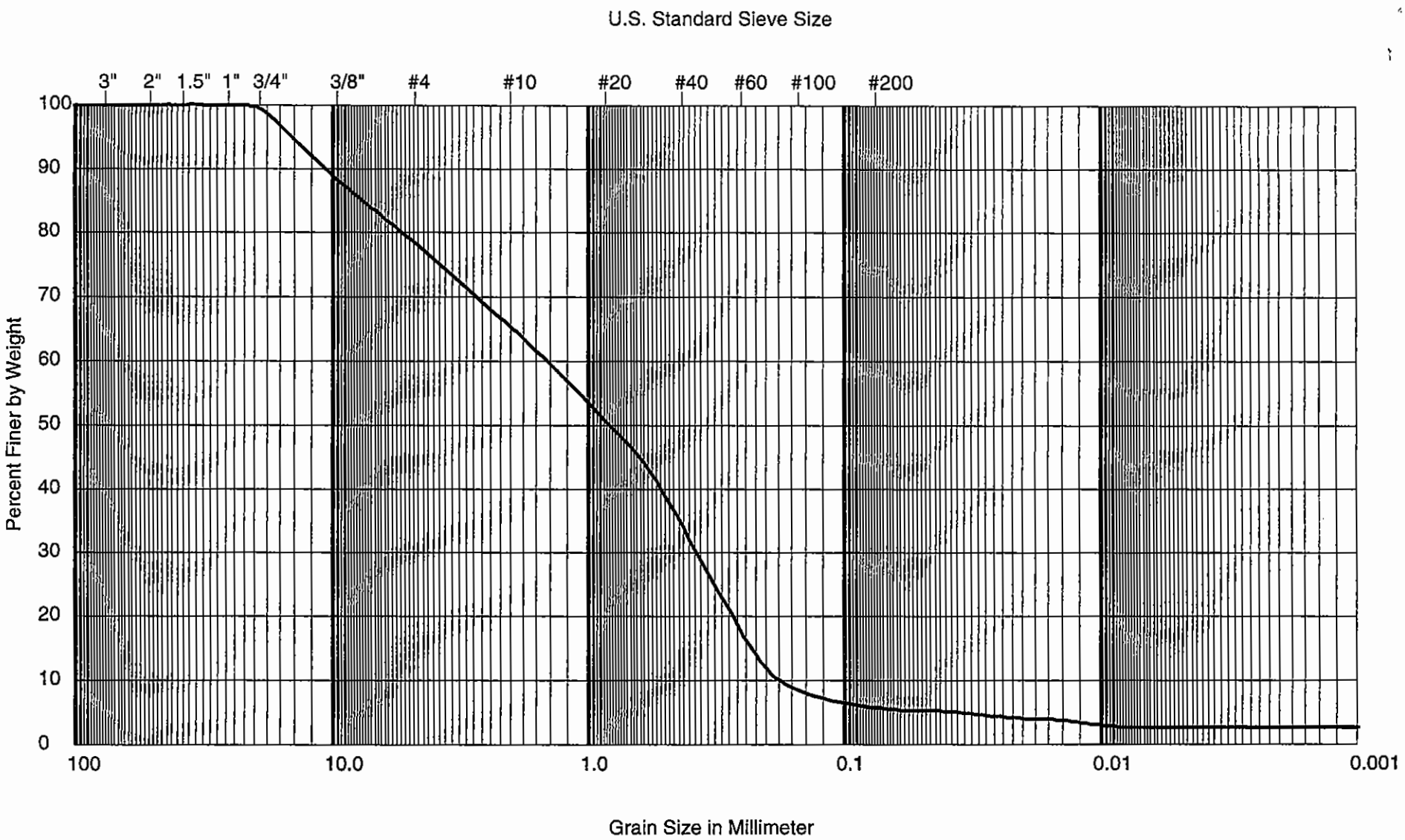
SwRI Sample ID: 170713
Work Order: 21247
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01926
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	87.9	87.9	87.9	0
#4 (4.75 mm)	78.3	78.4	78.4	0.1
#10 (2.00 mm)	65.2	65.4	65.3	0.3



SwRI Sample ID: 170713

Work Order: 21247

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01926

Sample Matrix: SEDIMENT

010091

Southwest Research Institute
Grain Size Report

010092

SwRI Sample ID:	170724	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01990	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 240.02

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	46.15	19.2	80.8
#4	13.30	24.8	75.2
#10	36.91	40.1	59.9

Date Analyzed: 12/03/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.04

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	15.97	45.85	142.21	59.2	40.8
#40	15.34	89.89	186.25	77.6	22.4
#60	10.31	119.49	215.85	89.9	10.1
#100	4.17	131.46	227.82	94.9	5.1
#200	1.03	134.42	230.78	96.1	3.9

Date Analyzed: 12/06/01

Specific Gravity: 2.59 Hydrometer ID: 152-H-001

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	8	6	2	15.0	0.0380	2.421
20	5	8	6	2	15.0	0.0241	2.421
20	15	8	6	2	15.0	0.0139	2.421
20	30	8	6	2	15.0	0.0098	2.421
20	60	7	6	1	15.2	0.0070	1.210
20	250	7	6	1	15.2	0.0034	1.210
20	1440	7	6	1	15.2	0.0014	1.210

Date Analyzed: 12/04/01

Southwest Research Institute
Grain Size Report

010093

SwRI Sample ID:	170724D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21247	Client Sample ID:	D01990	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 240.02

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	46.14	19.2	80.8
#4	13.28	24.8	75.2
#10	35.85	39.7	60.3

Date Analyzed: 12/03/01

Southwest Research Institute
Grain Size RPD Report

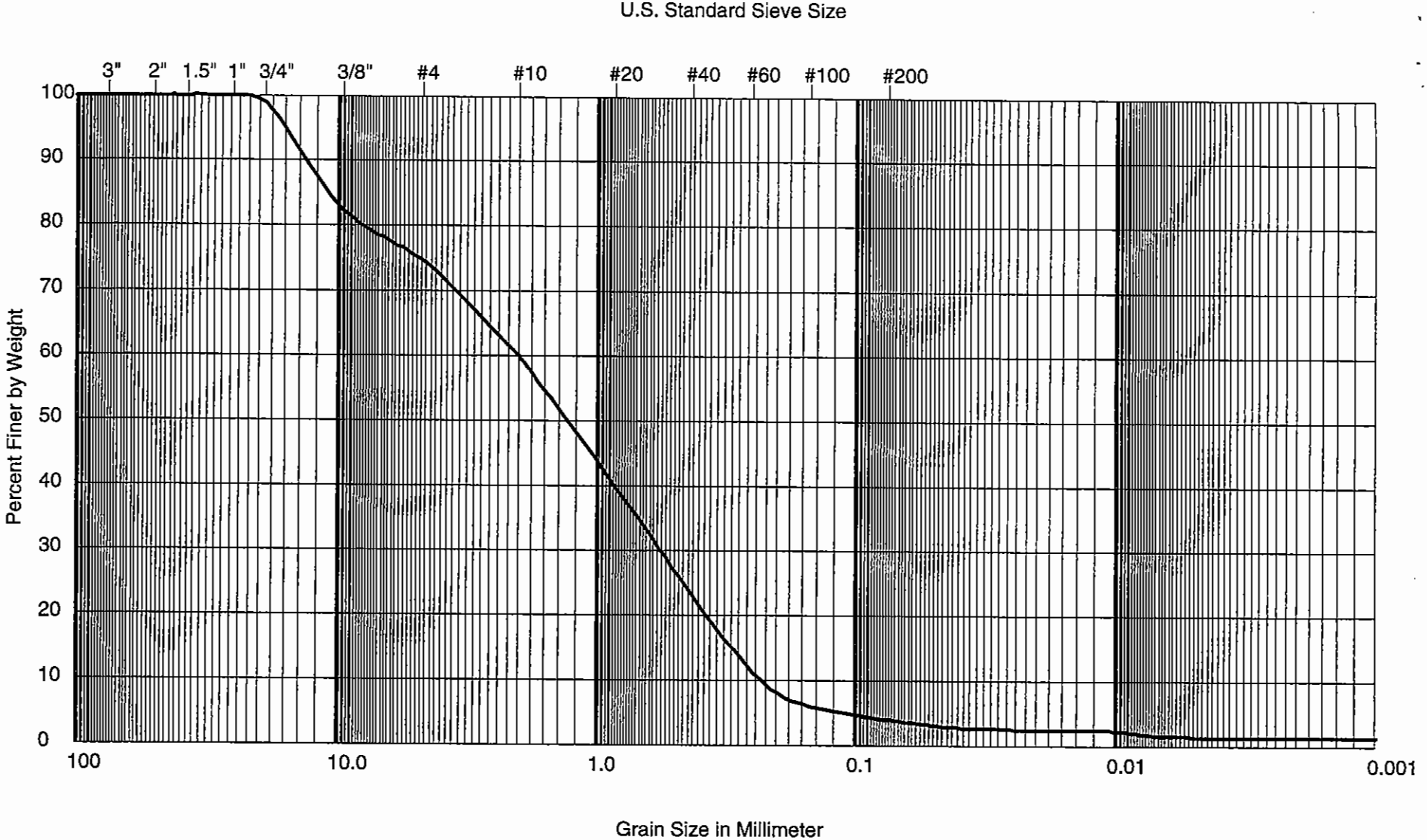
SwRI Sample ID: 170724
Work Order: 21247
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01990
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	80.8	80.8	80.8	0.0
#4 (4.75 mm)	75.2	75.2	75.2	0.0
#10 (2.00 mm)	59.9	60.3	60.1	0.8



SwRI Sample ID: 170724

Work Order: 21247

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01990

Sample Matrix: SEDIMENT

010095

Southwest Research Institute

010096

Grain Size Report

SwRI Sample ID:	170884	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21269	Client Sample ID:	D01922	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 243.13

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	8.09	3.3	96.7
#10	9.10	7.1	92.9

Date Analyzed: 12/03/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.10

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	4.29	19.35	36.54	15.0	85.0
#40	10.82	68.14	85.33	35.1	64.9
#60	11.09	118.16	135.35	55.7	44.3
#100	5.56	143.23	160.42	66.0	34.0
#200	5.41	167.63	184.82	76.0	24.0

Date Analyzed: 12/10/01

Specific Gravity: 2.57 Hydrometer ID: 152-H-006

Temp.	Reading Time	Hydro. Reading	Hydro: Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	12	4	8	14.3	0.0374	15.077
20	5	10	4	6	14.7	0.0240	11.307
20	15	8	4	4	15.0	0.0140	7.538
20	30	7	4	3	15.2	0.0099	5.654
20	60	7	4	3	15.2	0.0070	5.654
20	250	6	4	2	15.3	0.0035	3.769
20	1440	5	4	1	15.5	0.0015	1.885

Date Analyzed: 12/05/01

010097

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170884D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21269	Client Sample ID:	D01922	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 243.13

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	8.00	3.3	96.7
#10	9.00	7.0	93.0

Date Analyzed: 12/03/01

Southwest Research Institute
Grain Size RPD Report

010098

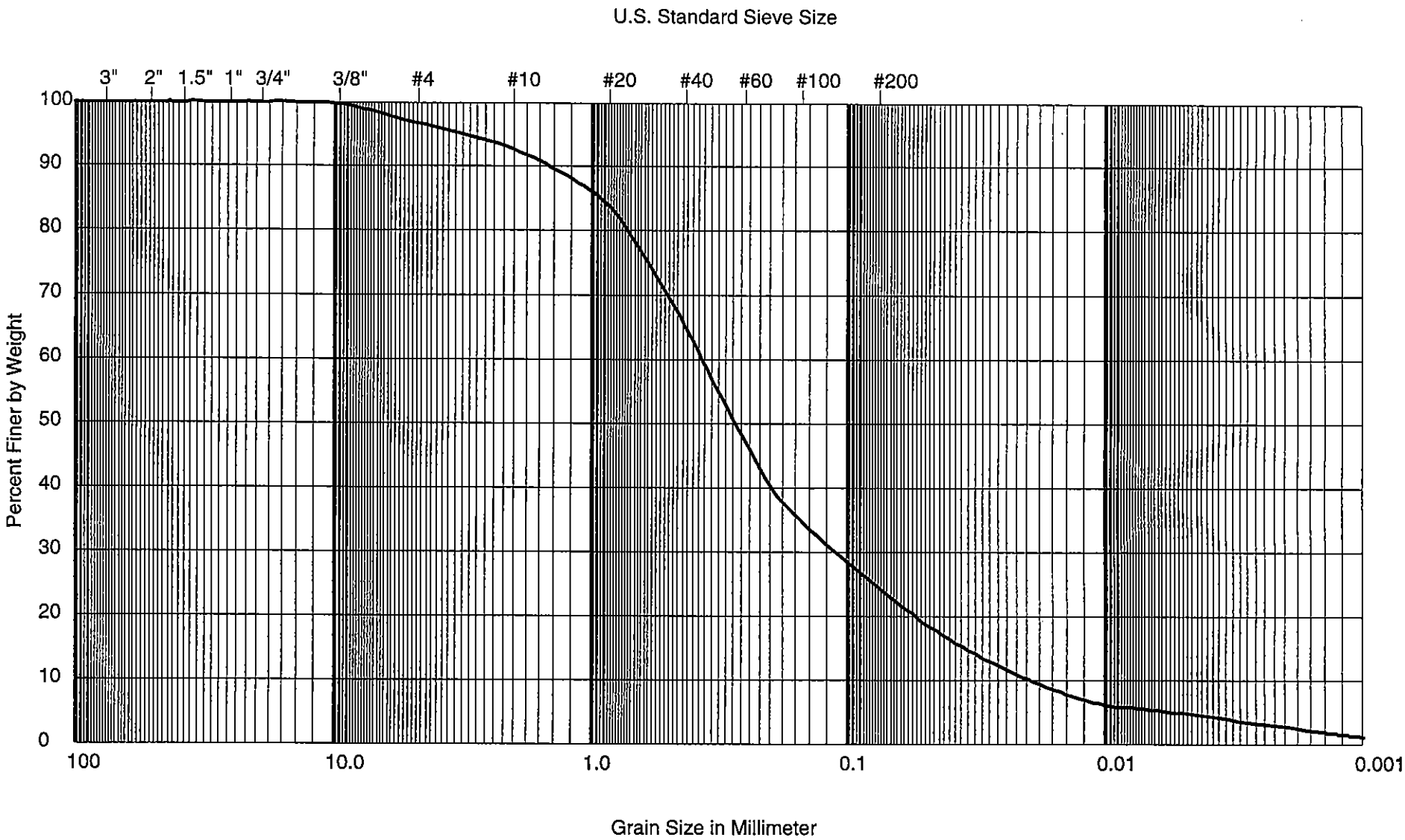
SwRI Sample ID: 170884
Work Order: 21269
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01922
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	96.7	96.7	96.7	0.0
#10 (2.00 mm)	92.9	93.0	93.0	0.1



SwRI Sample ID: 170884
Work Order: 21269
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01922
Sample Matrix: SEDIMENT

010099

010108

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170886	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01927	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 263.01

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	9.23	3.5	96.5
#10	42.96	19.8	80.2

Date Analyzed: 12/03/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.13

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	8.39	35.28	87.47	33.3	66.7
#40	8.96	72.96	125.15	47.6	52.4
#60	12.37	124.99	177.18	67.4	32.6
#100	11.91	175.07	227.26	86.4	13.6
#200	4.90	195.68	247.87	94.2	5.8

Date Analyzed: 12/10/2001

Specific Gravity: 2.57 Hydrometer ID: 152-H-009

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	7	4	3	15.2	0.0385	4.874
20	5	7	4	3	15.2	0.0244	4.874
20	15	6	4	2	15.3	0.0141	3.249
20	30	6	4	2	15.3	0.0100	3.249
20	60	6	4	2	15.3	0.0071	3.249
20	250	5	4	1	15.5	0.0035	1.625
20	1440	5	4	1	15.5	0.0015	1.625

Date Analyzed: 12/05/2001

010109

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170886D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01927	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 263.01

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	9.23	3.5	96.5
#10	42.81	19.8	80.2

Date Analyzed: 12/03/01

Southwest Research Institute
Grain Size RPD Report

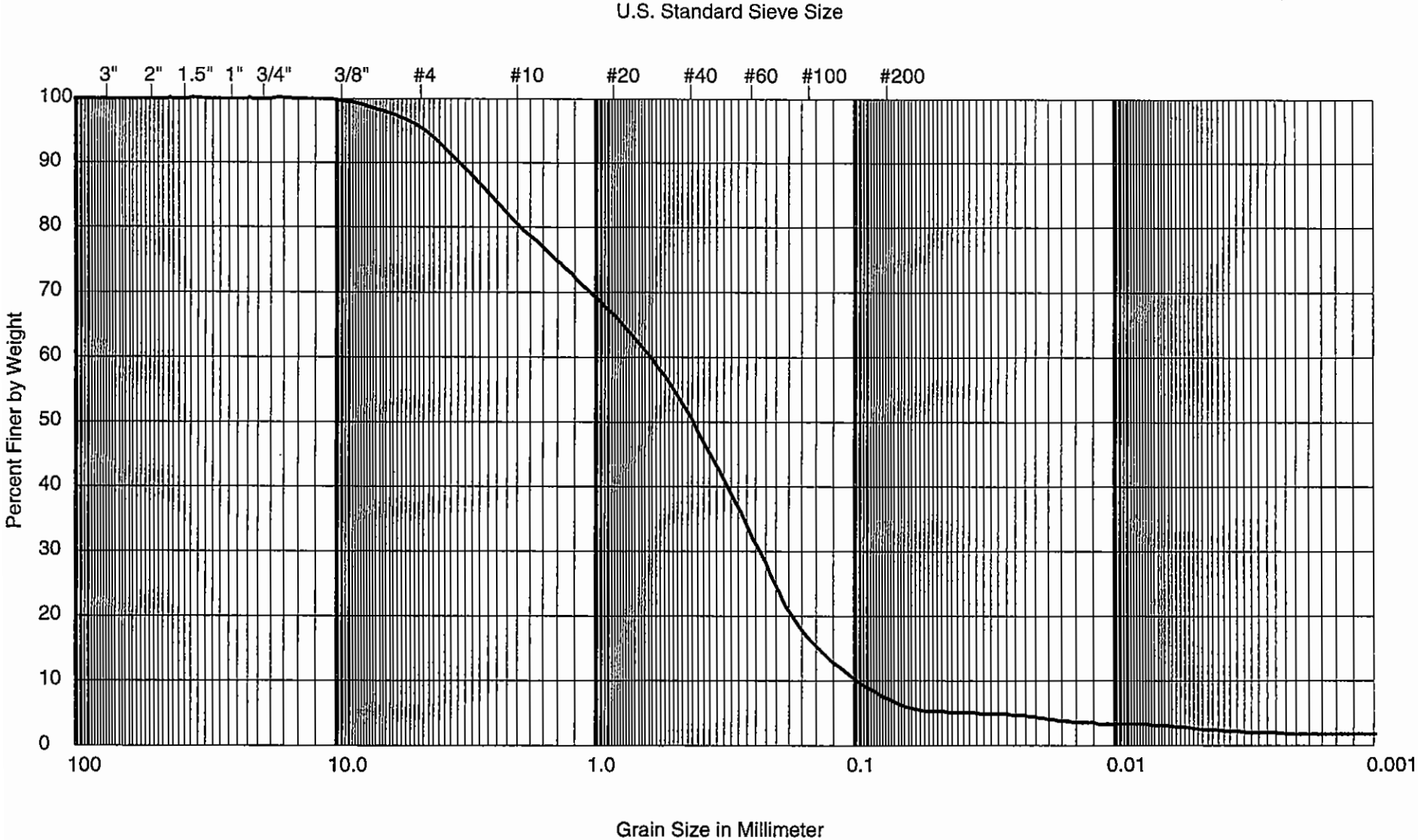
SwRI Sample ID: 170886
Work Order: 21270
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01927
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	96.5	96.5	96.5	0
#10 (2.00 mm)	80.2	80.2	80.2	0.1



SwRI Sample ID: 170886
Work Order: 21270
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01927
Sample Matrix: SEDIMENT

0101111

Southwest Research Institute
Grain Size Report

010100

SwRI Sample ID:	170885	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21269	Client Sample ID:	D01933	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 221.66

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	35.56	16.0	84.0
#4	27.64	28.5	71.5
#10	46.34	49.4	50.6

Date Analyzed: 12/03/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.02

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	22.40	50.21	159.75	72.1	27.9
#40	13.89	81.34	190.88	86.1	13.9
#60	7.43	98.00	207.54	93.6	6.4
#100	3.41	105.64	215.18	97.1	2.9
#200	0.96	107.79	217.33	98.0	2.0

Date Analyzed: 12/10/2001

Specific Gravity: 2.32 Hydrometer ID: 152-H-007

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	10	5	5	14.7	0.0413	5.572
20	5	8	5	3	15.0	0.0264	3.343
20	15	8	5	3	15.0	0.0152	3.343
20	30	8	5	3	15.0	0.0108	3.343
20	60	8	5	3	15.0	0.0076	3.343
20	250	7	5	2	15.2	0.0038	2.229
20	1440	5	5	0	15.5	0.0016	0.000

Date Analyzed: 12/05/2001

010101

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170885D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21269	Client Sample ID:	D01933	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 221.66

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	35.56	16.0	84.0
#4	27.45	28.4	71.6
#10	46.10	49.2	50.8

Date Analyzed: 12/03/2001

Southwest Research Institute
Grain Size RPD Report

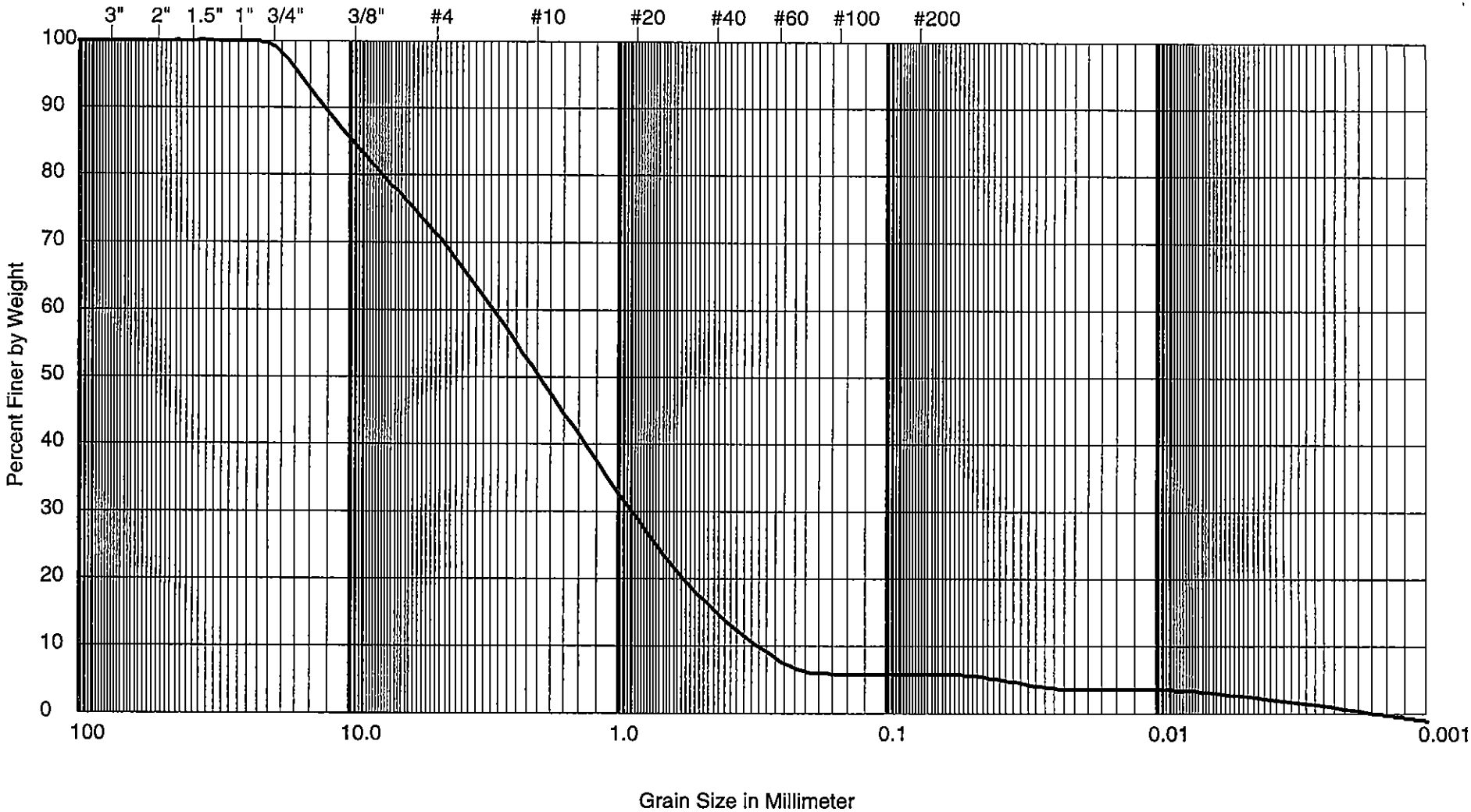
SwRI Sample ID: 170885
Work Order: 21269
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01933
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	84.0	84.0	84.0	0
#4 (4.75 mm)	71.5	71.6	71.5	0.1
#10 (2.00 mm)	50.6	50.8	50.7	0.4



SwRI Sample ID: 170885
Work Order: 21269
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01933
Sample Matrix: SEDIMENT

010103

010104

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170923	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21269	Client Sample ID:	D01932	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 227.05

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	3.12	1.4	98.6
#10	6.64	4.3	95.7

Date Analyzed: 12/03/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.16

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	1.13	4.90	14.66	6.5	93.5
#40	2.21	14.47	24.23	10.7	89.3
#60	3.57	29.93	39.69	17.5	82.5
#100	3.99	47.22	56.98	25.1	74.9
#200	8.07	82.18	91.94	40.5	59.5

Date Analyzed: 12/10/2001

Specific Gravity: 2.56 Hydrometer ID: 152-H-008

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	25	5	20	12.2	0.0346	38.845
20	5	21	5	16	12.9	0.0225	31.076
20	15	15	5	10	13.8	0.0134	19.423
20	30	13	5	8	14.2	0.0096	15.538
20	60	12	5	7	14.3	0.0068	13.596
20	250	10	5	5	14.7	0.0034	9.711
20	1440	7	5	2	15.2	0.0014	3.885

Date Analyzed: 12/05/2001

010105

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170923D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21269	Client Sample ID:	D01932	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 227.05

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	3.12	1.4	98.6
#10	6.60	4.3	95.7

Date Analyzed: 12/03/01

010106

Southwest Research Institute
Grain Size RPD Report

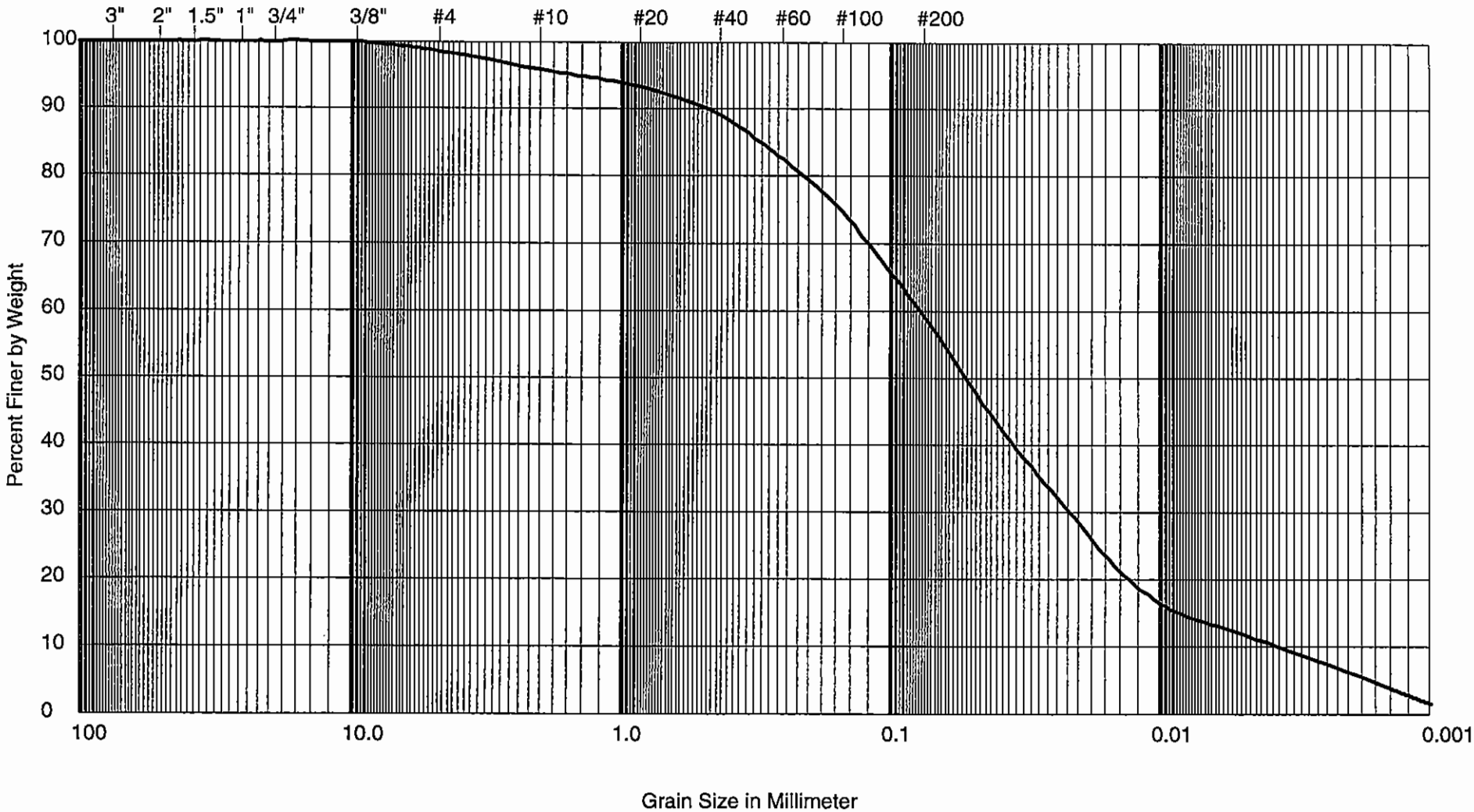
SwRI Sample ID: 170923
Work Order: 21269
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01932
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	98.6	98.6	98.6	0
#10 (2.00 mm)	95.7	95.7	95.7	0.0



SwRI Sample ID: 170923

Work Order: 21269

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01932

Sample Matrix: SEDIMENT

010107

Southwest Research Institute
Grain Size Report

010112

SwRI Sample ID:	170887	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01928	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 220.47

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	45.56	20.7	79.3
#10	33.90	36.0	64.0

Date Analyzed: 12/03/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.05

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	9.67	27.24	106.70	48.4	51.6
#40	10.27	56.18	135.64	61.5	38.5
#60	9.32	82.44	161.90	73.4	26.6
#100	9.01	107.82	187.28	84.9	15.1
#200	6.46	126.02	205.48	93.2	6.8

Date Analyzed: 12/10/01

Specific Gravity: 2.63 Hydrometer ID: 152-H-001

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	9	6	3	14.8	0.0373	3.849
20	5	8	6	2	15.0	0.0238	2.566
20	15	8	6	2	15.0	0.0137	2.566
20	30	7	6	1	15.2	0.0098	1.283
20	60	7	6	1	15.2	0.0069	1.283
20	250	7	6	1	15.2	0.0034	1.283
20	1440	7	6	1	15.2	0.0014	1.283

Date Analyzed: 12/05/01

Southwest Research Institute

010113

Grain Size Report

SwRI Sample ID:	170887D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01928	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 220.47

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	45.42	20.6	79.4
#10	33.67	35.9	64.1

Date Analyzed: 12/03/01

Southwest Research Institute
Grain Size RPD Report

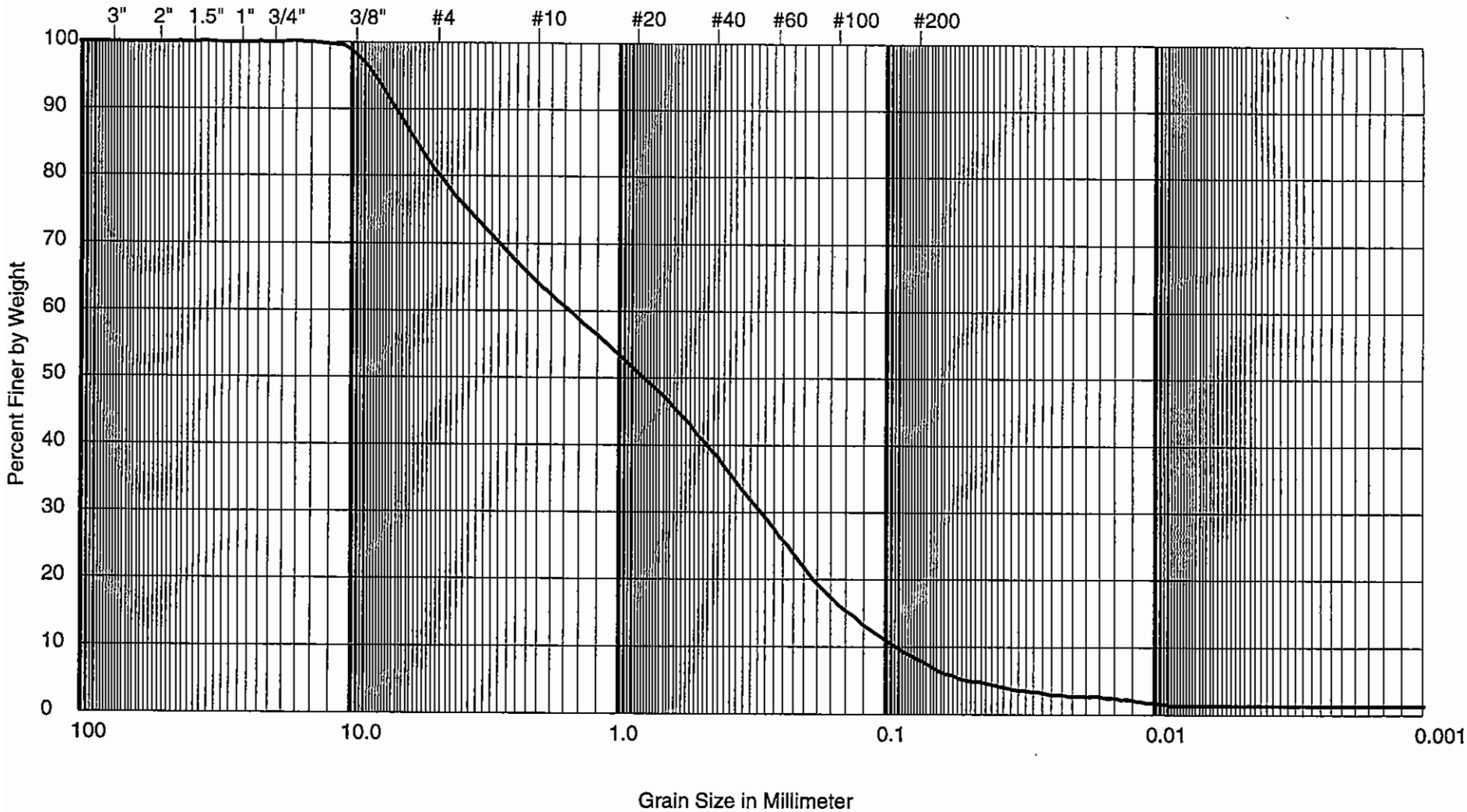
SwRI Sample ID: 170887
Work Order: 21270
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01928
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	79.3	79.4	79.4	0.1
#10 (2.00 mm)	64.0	64.1	64.0	0.3



SwRI Sample ID: 170887
Work Order: 21270
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01928
Sample Matrix: SEDIMENT

010115

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170888	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01929	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 215.55

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	1.24	0.6	99.4

Date Analyzed: 12/06/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.14					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	1.13	4.83	6.07	2.8	97.2
#40	2.15	14.02	15.26	7.1	92.9
#60	5.28	36.59	37.83	17.5	82.5
#100	11.58	86.08	87.32	40.5	59.5
#200	13.34	143.10	144.34	67.0	33.0

Date Analyzed: 12/10/01

Specific Gravity: 2.51				Hydrometer ID: 152-H-001			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	14	6	8	14.0	0.0377	16.308
20	5	14	6	8	14.0	0.0238	16.308
20	15	13	6	7	14.2	0.0139	14.269
20	30	11	6	5	14.5	0.0099	10.192
20	60	11	6	5	14.5	0.0070	10.192
20	250	10	6	4	14.7	0.0035	8.154
20	1440	9	6	3	14.8	0.0014	6.115

Date Analyzed: 12/07/01

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170888D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01929	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 215.55

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	1.18	0.5	99.5

Date Analyzed: 12/06/01

Southwest Research Institute
Grain Size RPD Report

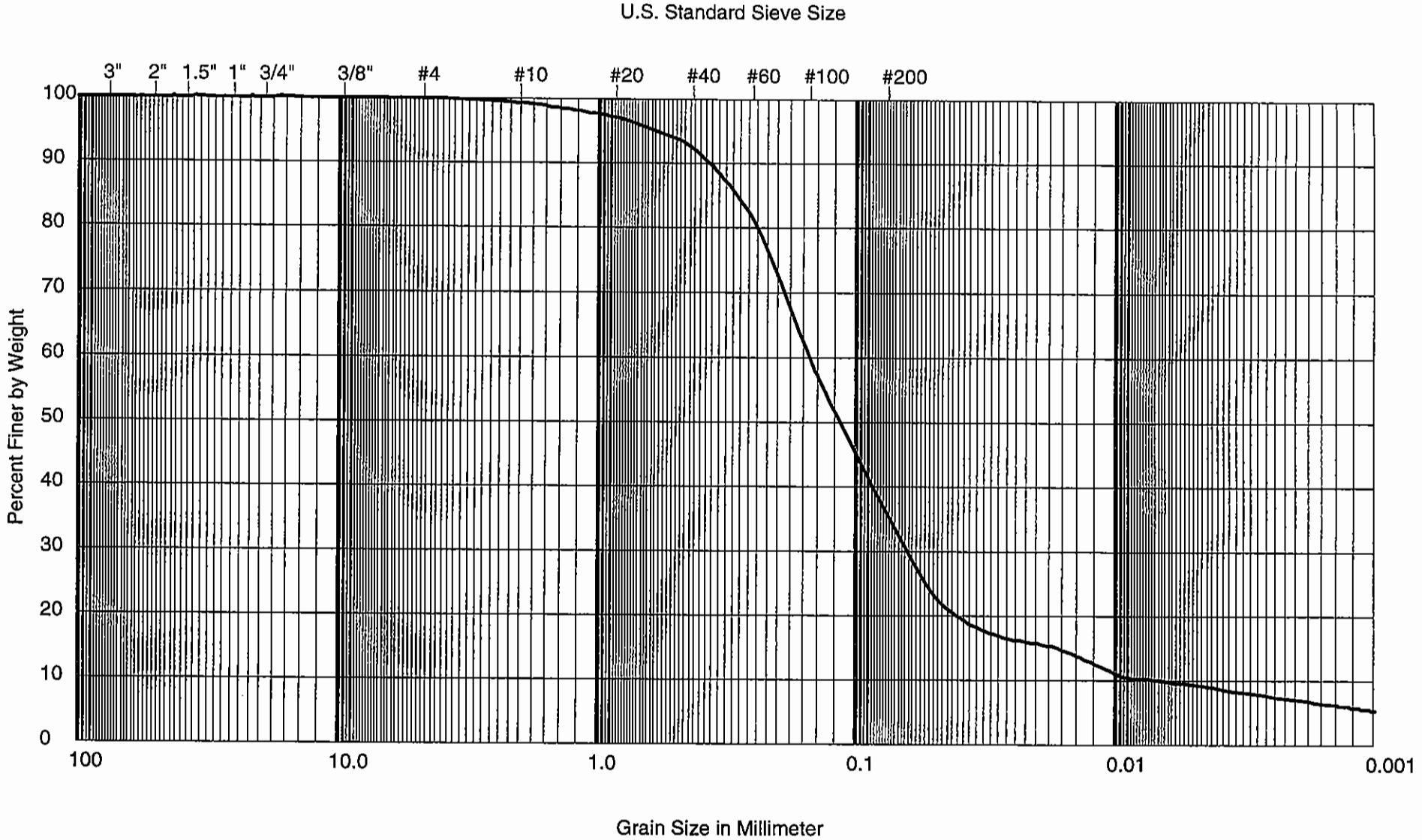
SwRI Sample ID: 170888
Work Order: 21270
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01929
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	100.0	100.0	100.0	0
#10 (2.00 mm)	99.4	99.5	99.4	0.0



SwRI Sample ID: 170888
Work Order: 21270
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01929
Sample Matrix: SEDIMENT

010119

Southwest Research Institute
Grain Size Report

010120

SwRI Sample ID: 170889
Work Order #: 21270
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01930
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve of +10

Total Sample Wt: 221.56

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	0.34	0.2	99.8

Date Analyzed: 12/06/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.14

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	0.25	1.10	1.44	0.7	99.3
#40	0.87	4.94	5.28	2.4	97.6
#60	2.25	14.87	15.21	6.9	93.1
#100	5.55	39.36	39.70	17.9	82.1
#200	11.18	88.68	89.02	40.2	59.8

Date Analyzed: 12/10/2001

Specific Gravity: 2.59 Hydrometer ID: 152-H-002

Temp.	Reading Time	Hydro. Reading	Hydro: Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	22	5	17	12.7	0.0350	34.259
20	5	15	5	10	13.8	0.0231	20.153
20	15	12	5	7	14.3	0.0136	14.107
20	30	10	5	5	14.7	0.0097	10.076
20	60	10	5	5	14.7	0.0069	10.076
20	250	7	5	2	15.2	0.0034	4.031
20	1440	6	5	1	15.3	0.0014	2.015

Date Analyzed: 12/07/2001

Southwest Research Institute
Grain Size Report

010121

SwRI Sample ID:	170889D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01930	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 221.56

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	0.34	0.2	99.8

Date Analyzed: 12/06/01

Southwest Research Institute
Grain Size RPD Report

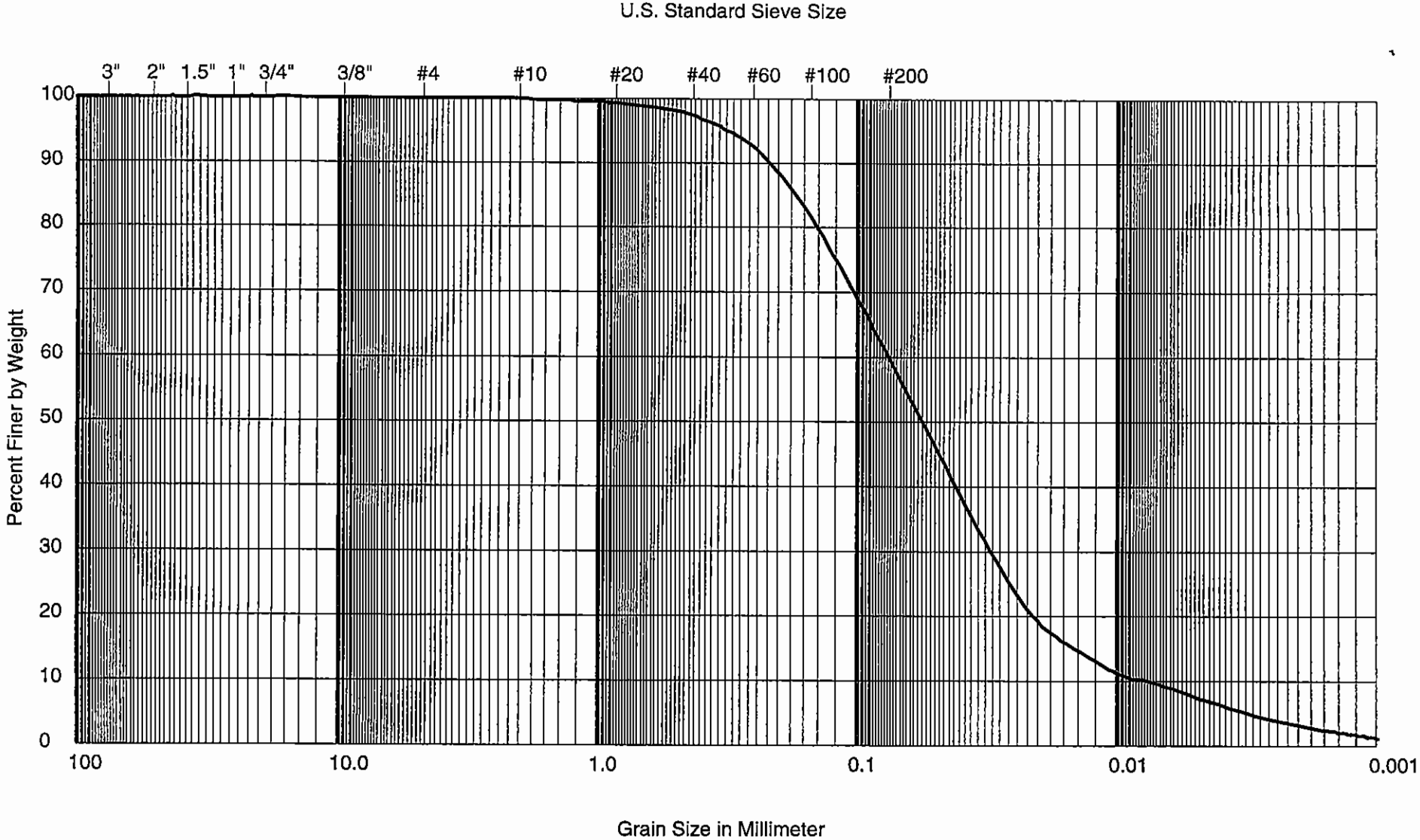
SwRI Sample ID: 170889
Work Order: 21270
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01930
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	100.0	100.0	100.0	0
#10 (2.00 mm)	99.8	99.8	99.8	0



SwRI Sample ID: 170889
Work Order: 21270
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01930
Sample Matrix: SEDIMENT

010123

Southwest Research Institute
Grain Size Report

010124

SwRI Sample ID: 170890
Work Order #: 21270
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01945
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve of +10

Total Sample Wt: 226.22

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	2.31	1.0	99.0
#10	12.30	6.5	93.5

Date Analyzed: 12/06/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.04

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	5.13	21.69	36.30	16.0	84.0
#40	10.07	64.28	78.89	34.9	65.1
#60	13.14	119.84	134.45	59.4	40.6
#100	12.99	174.78	189.39	83.7	16.3
#200	5.91	199.77	214.38	94.8	5.2

Date Analyzed: 12/10/2001

Specific Gravity: 2.53 Hydrometer ID: 152-H-004

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	7	5	2	15.2	0.0390	3.828
20	5	7	5	2	15.2	0.0247	3.828
20	15	7	5	2	15.2	0.0143	3.828
20	30	7	5	2	15.2	0.0101	3.828
20	60	7	5	2	15.2	0.0071	3.828
20	250	7	5	2	15.2	0.0035	3.828
20	1440	6	5	1	15.3	0.0015	1.914

Date Analyzed: 12/07/2001

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170890D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01945	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 226.22

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	2.31	1.0	99.0
#10	12.21	6.4	93.6

Date Analyzed: 12/06/01

Southwest Research Institute
Grain Size RPD Report

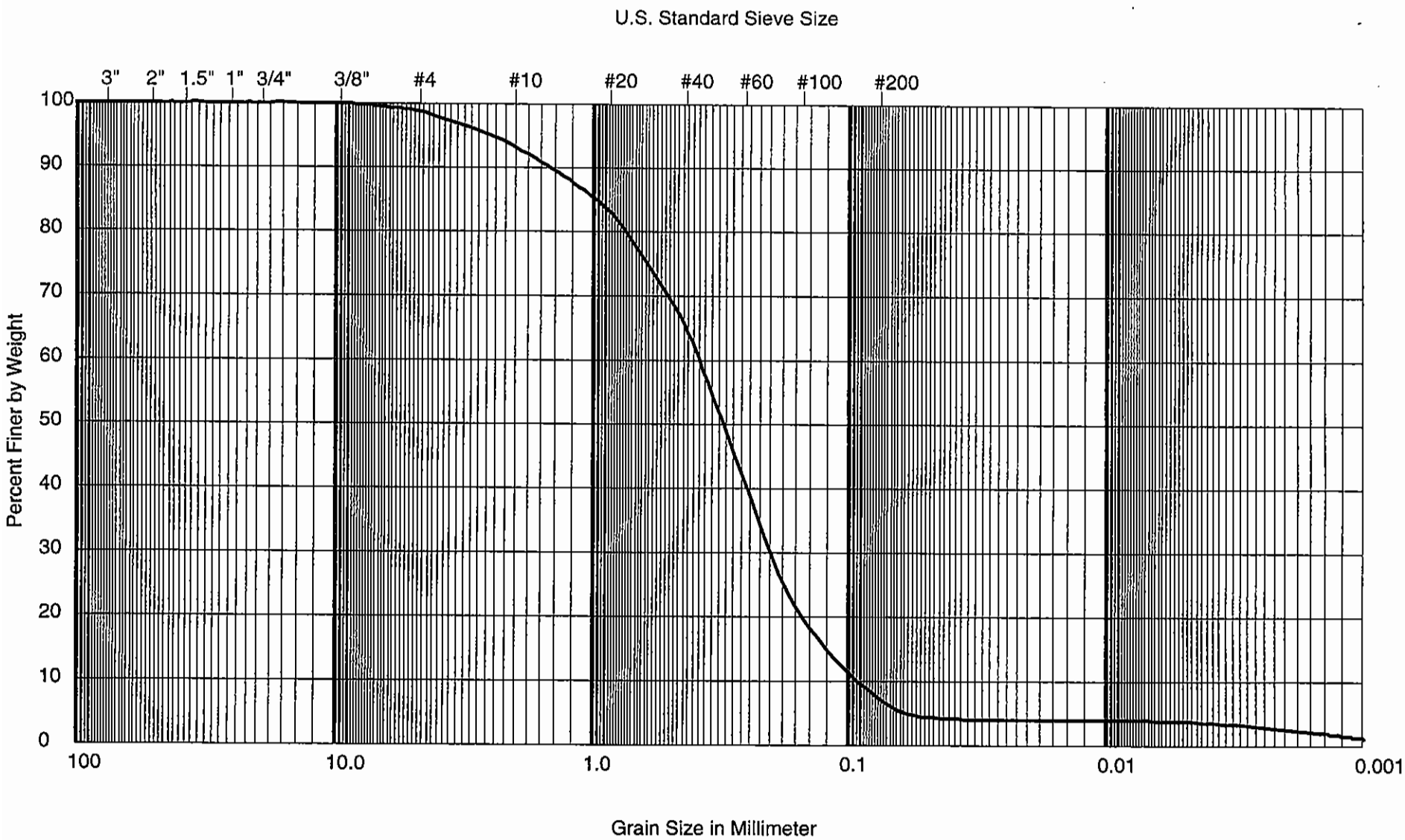
SwRI Sample ID: 170890D
Work Order: 21270
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01945
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	99.0	99.0	99.0	0
#10 (2.00 mm)	93.5	93.6	93.6	0.0



SwRI Sample ID: 170890
Work Order: 21270
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01945
Sample Matrix: SEDIMENT

010127

Southwest Research Institute
Grain Size Report

010128

SwRI Sample ID:	170891	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01946	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 248.27

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	1.81	0.7	99.3
#10	6.61	3.4	96.6

Date Analyzed: 12/06/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.02

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	1.91	9.16	17.58	7.1	92.9
#40	4.48	30.64	39.06	15.7	84.3
#60	11.48	85.69	94.11	37.9	62.1
#100	13.41	149.99	158.41	63.8	36.2
#200	8.76	192.00	200.42	80.7	19.3

Date Analyzed: 12/10/01

Specific Gravity: 2.67 Hydrometer ID: 152-H-005

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	9	4	5	14.8	0.0369	9.618
20	5	7	4	3	15.2	0.0236	5.771
20	15	6	4	2	15.3	0.0137	3.847
20	30	6	4	2	15.3	0.0097	3.847
20	60	6	4	2	15.3	0.0068	3.847
20	250	6	4	2	15.3	0.0034	3.847
20	1440	5	4	1	15.5	0.0014	1.924

Date Analyzed: 12/07/01

Southwest Research Institute
Grain Size Report

010129

SwRI Sample ID:	170891D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21270	Client Sample ID:	D01946	SDG:	D01917
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 248.27

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	1.81	0.7	99.3
#10	6.52	3.4	96.6

Date Analyzed: 12/06/01

010130

Southwest Research Institute
Grain Size RPD Report

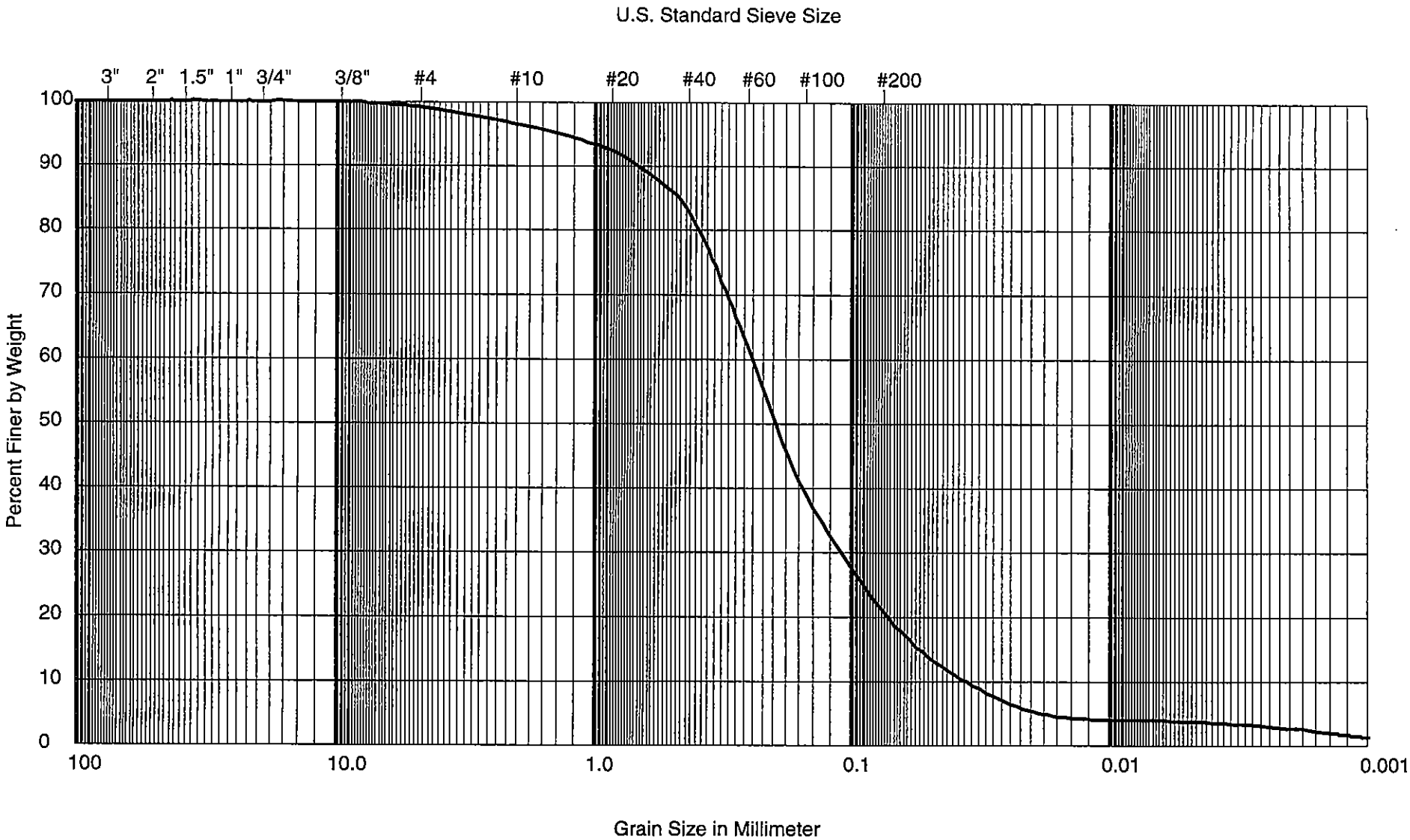
SwRI Sample ID: 170891
Work Order: 21270
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01946
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01917

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	99.3	99.3	99.3	0
#10 (2.00 mm)	96.6	96.6	96.6	0.0



SwRI Sample ID: 170891

Work Order: 21270

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01946

Sample Matrix: SEDIMENT

01131

Southwest Research Institute
Grain Size Report

010065

SwRI Sample ID: 170903
Work Order #: 21273
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01931
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve of +10

Total Sample Wt: 152.80

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	4.01	2.6	97.4
#10	11.01	9.8	90.2

Date Analyzed: 12/06/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.00					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	4.91	13.53	28.55	18.7	81.3
#40	6.05	30.20	45.22	29.6	70.4
#60	6.04	46.85	61.87	40.5	59.5
#100	6.38	64.43	79.45	52.0	48.0
#200	5.74	80.24	95.26	62.3	37.7

Date Analyzed: 12/10/2001

Specific Gravity: 1.75				Hydrometer ID: 152-H-006			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	15	4	11	13.8	0.0531	26.384
20	5	13	4	9	14.2	0.0341	21.587
20	15	12	4	8	14.3	0.0197	19.188
20	30	11	4	7	14.5	0.0141	16.790
20	60	10	4	6	14.7	0.0100	14.391
20	250	10	4	6	14.7	0.0049	14.391
20	1440	8	4	4	15.0	0.0021	9.594

Date Analyzed: 12/07/01

010066

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170903D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21273	Client Sample ID:	D01931	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 152.80

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	3.98	2.6	97.4
#10	11.00	9.8	90.2

Date Analyzed: 12/06/01
ams 12/20/01

Southwest Research Institute
Grain Size RPD Report

SwRI Sample ID: 170903
Work Order: 21273
Project: 03159.12.00X

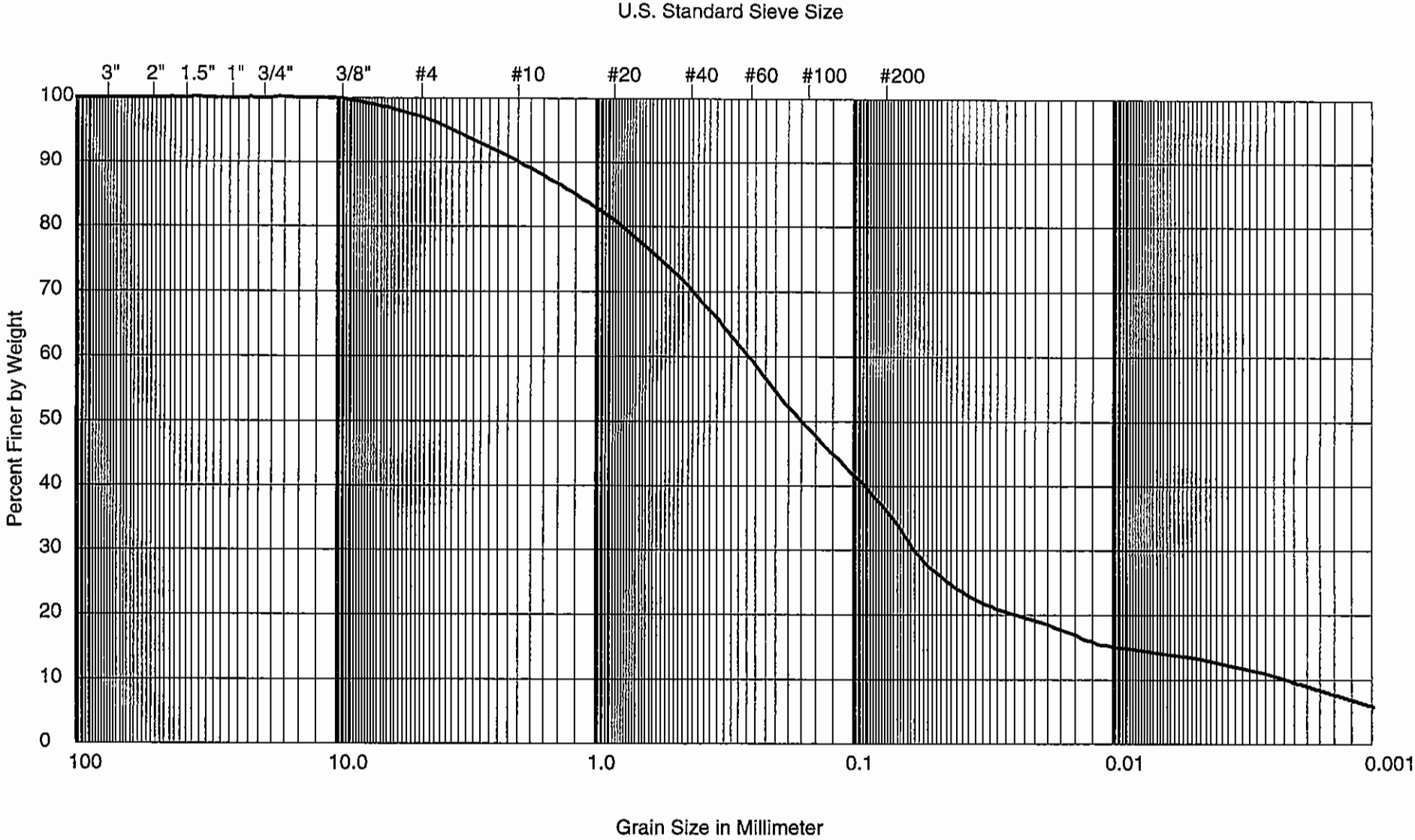
Client: METCALF & EDDY
Client Sample ID: D01931
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	97.4	97.4	97.4	0.0
#10 (2.00 mm)	90.2	90.2	90.2	0.0

010068



SwRI Sample ID: 170903

Work Order: 21273

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01931

Sample Matrix: SEDIMENT

Southwest Research Institute
Grain Size Report

010069

SwRI Sample ID:	170904	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21273	Client Sample ID:	D01934	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 234.57

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	12.31	5.2	94.8
#4	19.62	13.6	86.4
#10	37.80	29.7	70.3

Date Analyzed: 12/06/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.13

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	18.71	61.52	131.25	56.0	44.0
#40	18.28	121.63	191.36	81.6	18.4
#60	8.69	150.21	219.94	93.8	6.2
#100	1.99	156.75	226.48	96.6	3.4
#200	0.46	158.26	227.99	97.2	2.8

Date Analyzed: 12/10/01

Specific Gravity: 2.59 Hydrometer ID: 152-H-007

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	8	5	3	15.0	0.0380	4.256
20	5	7	5	2	15.2	0.0242	2.837
20	15	7	5	2	15.2	0.0140	2.837
20	30	7	5	2	15.2	0.0099	2.837
20	60	7	5	2	15.2	0.0070	2.837
20	250	7	5	2	15.2	0.0034	2.837
20	1440	7	5	2	15.2	0.0014	2.837

Date Analyzed: 12/07/01

Southwest Research Institute

010070

Grain Size Report

SwRI Sample ID:	170904D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21273	Client Sample ID:	D01934	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 234.57

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	12.31	5.2	94.8
#4	19.62	13.6	86.4
#10	37.65	29.7	70.3

Date Analyzed: 12/06/01

Southwest Research Institute

010071

Grain Size RPD Report

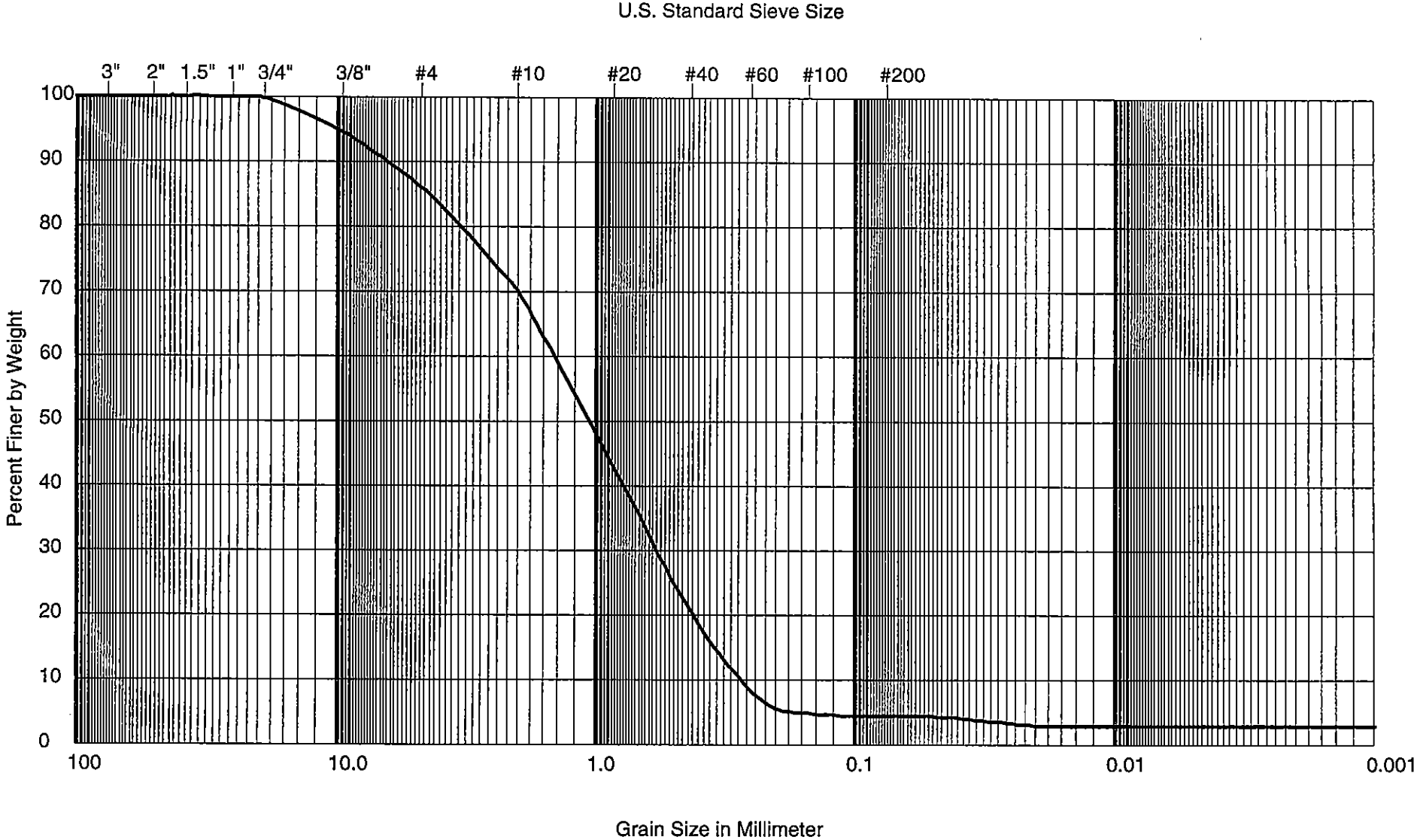
SwRI Sample ID: 170904
Work Order: 21273
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01934
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	94.8	94.8	94.8	0
#4 (4.75 mm)	86.4	86.4	86.4	0
#10 (2.00 mm)	70.3	70.3	70.3	0.1



SwRI Sample ID: 170904

Work Order: 21273

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01934

Sample Matrix: SEDIMENT

010072

Southwest Research Institute
Grain Size Report

010073

SwRI Sample ID: 170913
Work Order #: 21273
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01991
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve of +10

Total Sample Wt: 240.39

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	4.70	2.0	98.0
#4	14.02	7.8	92.2
#10	43.36	25.8	74.2

Date Analyzed: 12/06/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.17

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	15.43	54.84	116.92	48.6	51.4
#40	14.75	107.26	169.34	70.4	29.6
#60	9.46	140.89	202.97	84.4	15.6
#100	5.45	160.26	222.34	92.5	7.5
#200	1.85	166.83	228.91	95.2	4.8

Date Analyzed: 12/10/2001

Specific Gravity: 2.18 Hydrometer ID: 152-H-008

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	8	5	3	15.0	0.0442	5.136
20	5	8	5	3	15.0	0.0279	5.136
20	15	8	5	3	15.0	0.0161	5.136
20	30	8	5	3	15.0	0.0114	5.136
20	60	8	5	3	15.0	0.0081	5.136
20	250	8	5	3	15.0	0.0039	5.136
20	1440	7	5	2	15.2	0.0017	3.424

Date Analyzed: 12/07/01

010074

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170913D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21273	Client Sample ID:	D01991	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 240.39

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	4.70	2.0	98.0
#4	13.85	7.7	92.3
#10	43.02	25.6	74.4

Date Analyzed: 12/06/2001

Southwest Research Institute

010075

Grain Size RPD Report

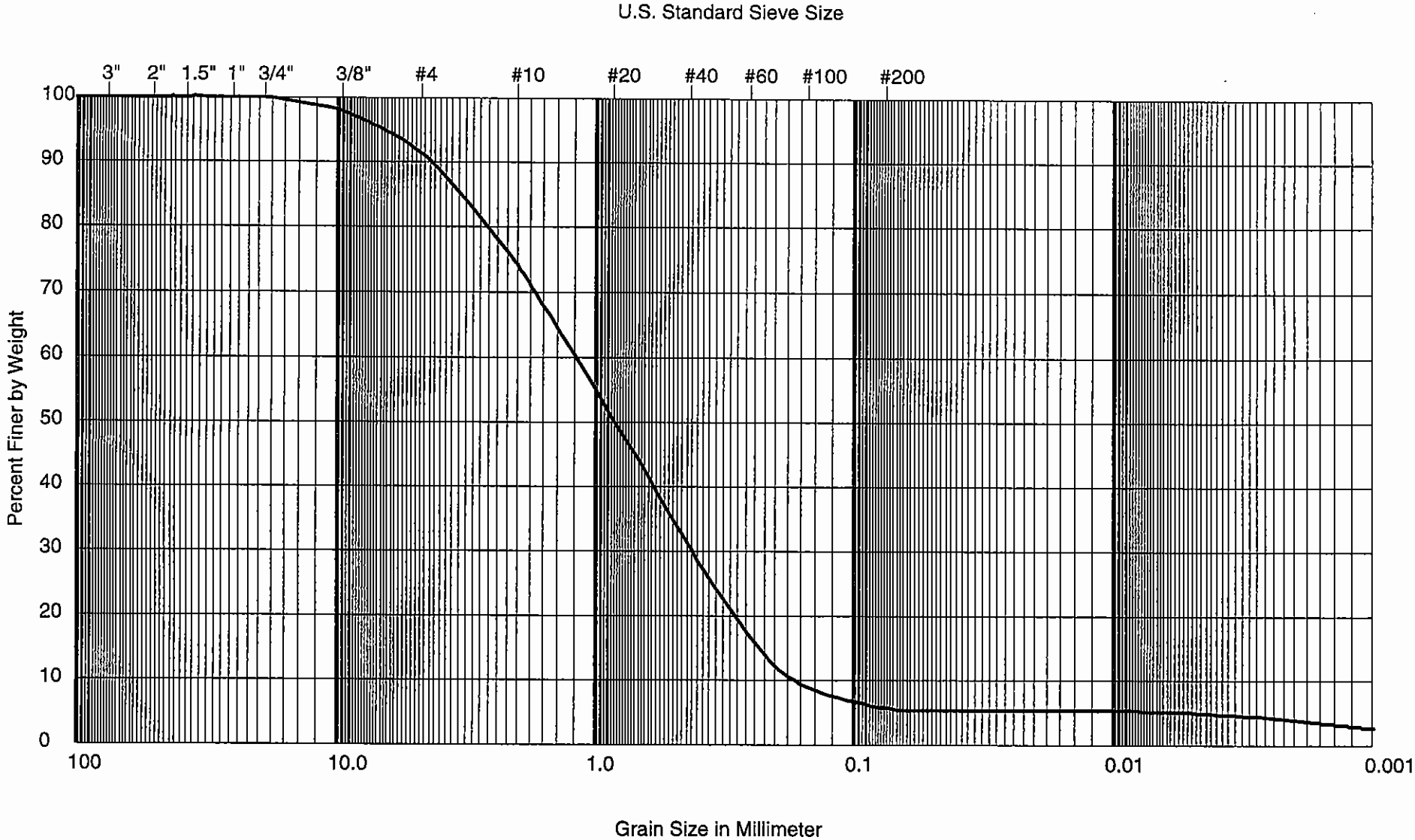
SwRI Sample ID: 170913
Work Order: 21273
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01991
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	98.0	98.0	98.0	0
#4 (4.75 mm)	92.2	92.3	92.2	0.1
#10 (2.00 mm)	74.2	74.4	74.3	0.3



SwRI Sample ID: 170913

Work Order: 21273

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01991

Sample Matrix: SEDIMENT

010076

010077

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170922	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21273	Client Sample ID:	D01921	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 202.62

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	3.85	1.9	98.1
#10	24.80	14.1	85.9

Date Analyzed: 12/06/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.12

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	7.26	25.20	53.85	26.6	73.4
#40	10.64	62.13	90.78	44.8	55.2
#60	11.21	101.04	129.69	64.0	36.0
#100	8.03	128.92	157.57	77.8	22.2
#200	3.63	141.52	170.17	84.0	16.0

Date Analyzed: 12/10/01

Specific Gravity: 1.60 Hydrometer ID: 152-H-009

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	11	4	7	14.5	0.0609	16.668
20	5	10	4	6	14.7	0.0388	14.287
20	15	9	4	5	14.8	0.0225	11.906
20	30	9	4	5	14.8	0.0159	11.906
20	60	8	4	4	15.0	0.0113	9.525
20	250	7	4	3	15.2	0.0056	7.144
20	1440	7	4	3	15.2	0.0023	7.144

Date Analyzed: 12/07/01

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170922D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21273	Client Sample ID:	D01921	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 202.62

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	3.84	1.9	98.1
#10	24.62	14.0	86.0

Date Analyzed: 12/06/01

Southwest Research Institute
Grain Size RPD Report

SwRI Sample ID: 170922
Work Order: 21273
Project: 03159.12.00X

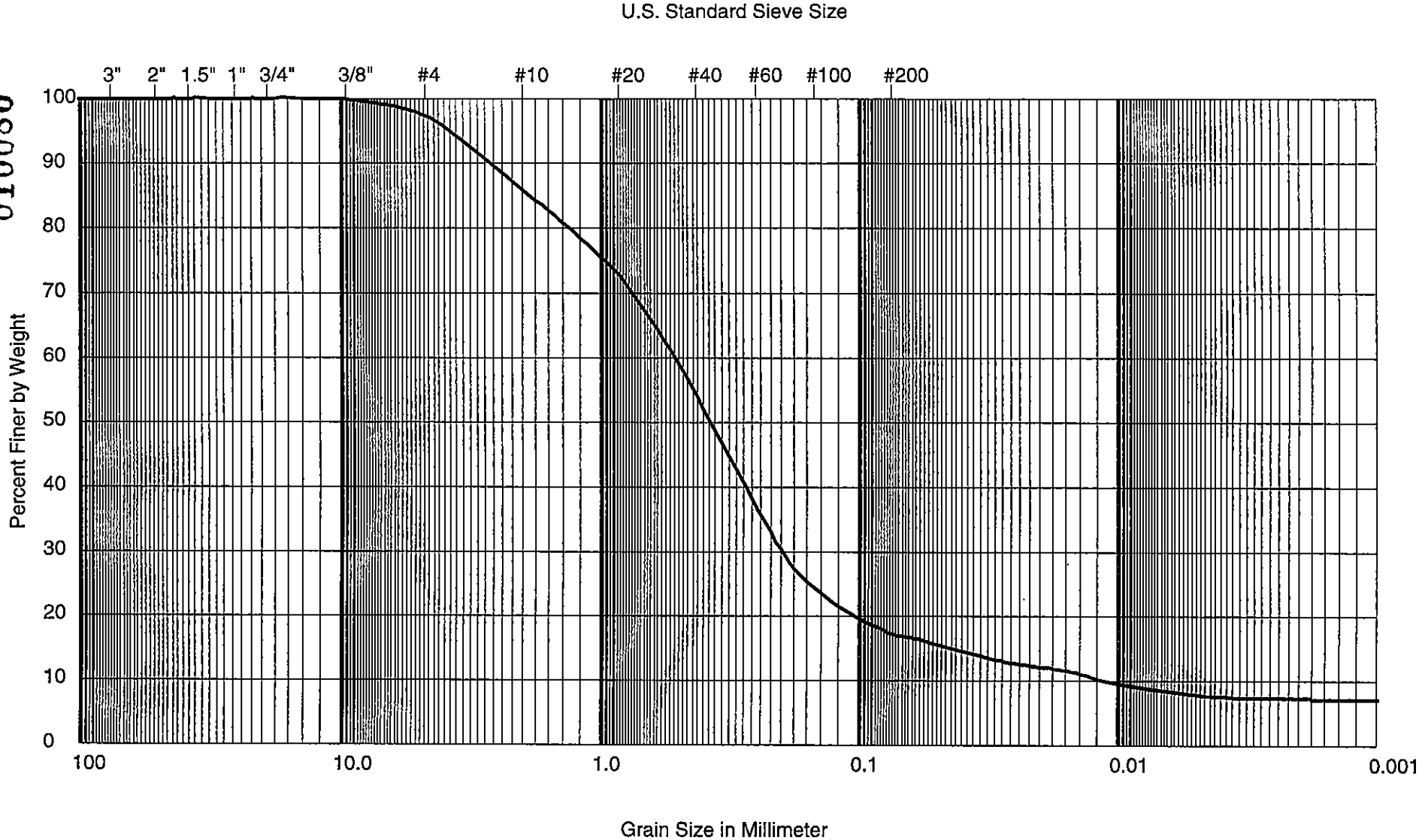
Client: METCALF & EDDY
Client Sample ID: D01921
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	98.1	98.1	98.1	0.0
#10 (2.00 mm)	85.9	86.0	85.9	0.1

010080



SwRI Sample ID: 170922

Work Order: 21273

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01921

Sample Matrix: SEDIMENT

010081

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170924	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21273	Client Sample ID:	D01935	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 242.36

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	3.53	1.5	98.5
#4	40.00	18.0	82.0
#10	62.59	43.8	56.2

Date Analyzed: 12/06/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.03

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	27.28	74.29	180.41	74.4	25.6
#40	15.25	115.82	221.94	91.6	8.4
#60	4.30	127.53	233.65	96.4	3.6
#100	1.05	130.39	236.51	97.6	2.4
#200	0.34	131.31	237.43	98.0	2.0

Date Analyzed: 12/10/01

Specific Gravity: 2.60 Hydrometer ID: 152-H-001

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	8	6	2	15.0	0.0379	2.270
20	5	7	6	1	15.2	0.0241	1.135
20	15	7	6	1	15.2	0.0139	1.135
20	30	7	6	1	15.2	0.0099	1.135
20	60	7	6	1	15.2	0.0070	1.135
20	250	7	6	1	15.2	0.0034	1.135
20	1440	7	6	1	15.2	0.0014	1.135

Date Analyzed: 12/07/01

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170924D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21273	Client Sample ID:	D01935	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 242.36

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	3.53	1.5	98.5
#4	40.00	18.0	82.0
#10	62.14	43.6	56.4

Date Analyzed: 12/06/01

Southwest Research Institute

Grain Size RPD Report

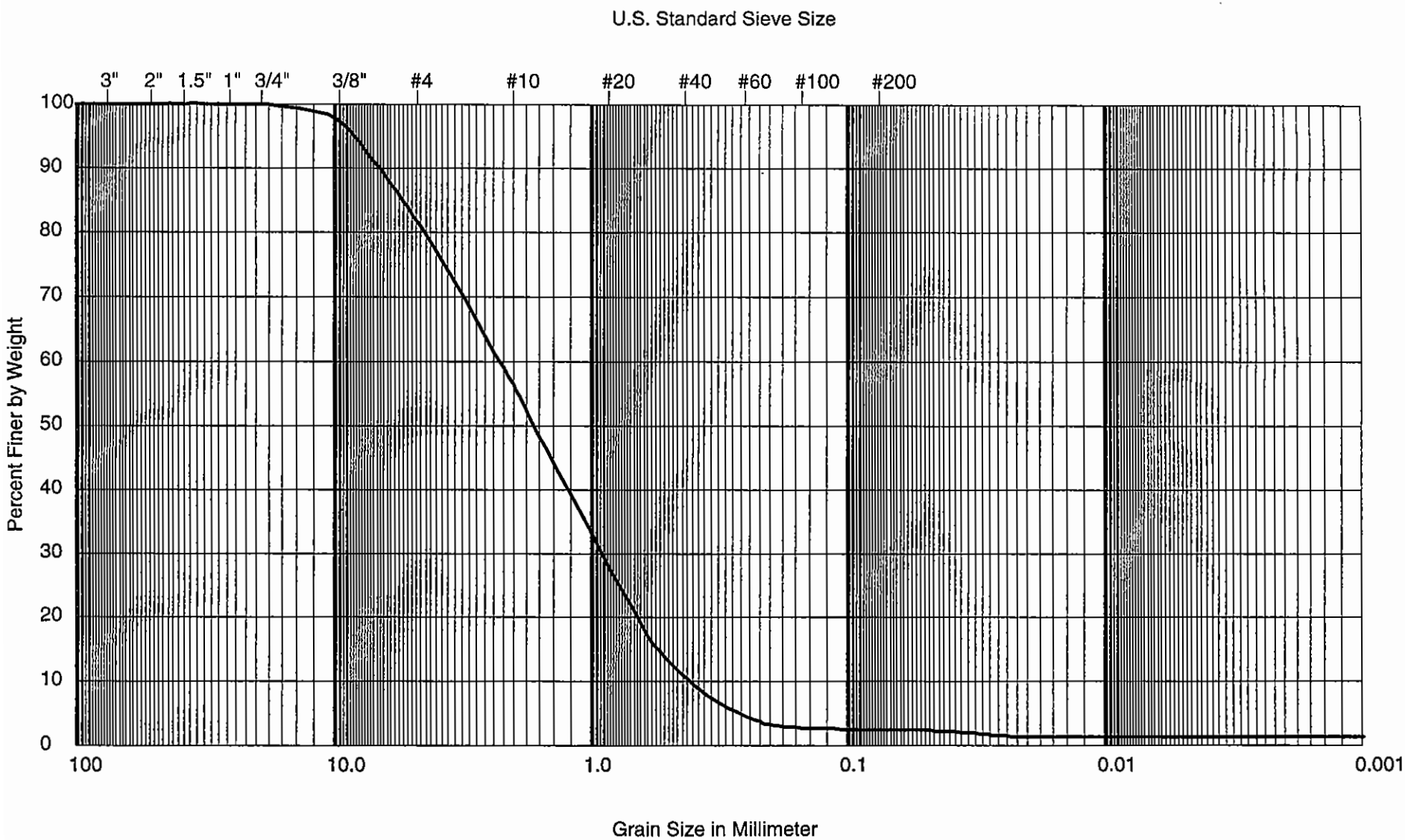
SwRI Sample ID: 170924
Work Order: 21273
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01935
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	98.5	98.5	98.5	0
#4 (4.75 mm)	82.0	82.0	82.0	0
#10 (2.00 mm)	56.2	56.4	56.3	0.3



SwRI Sample ID: 170924

Work Order: 21273

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01935

Sample Matrix: SEDIMENT

010084

010085

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170926	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01937	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 225.58

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	26.71	11.8	88.2
#4	33.88	26.9	73.1
#10	34.05	42.0	58.0

Date Analyzed: 12/10/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.01					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	19.00	49.75	144.39	64.0	36.0
#40	18.51	98.21	192.85	85.5	14.5
#60	7.65	118.24	212.88	94.4	5.6
#100	2.20	124.00	218.64	96.9	3.1
#200	0.63	125.65	220.29	97.7	2.3

Date Analyzed: 12/14/01

Specific Gravity: 2.60				Hydrometer ID: 152-H-001			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	11	6	5	14.5	0.0373	5.861
20	5	10	6	4	14.7	0.0237	4.689
20	15	10	6	4	14.7	0.0137	4.689
20	30	9	6	3	14.8	0.0097	3.517
20	60	8	6	2	15.0	0.0069	2.345
20	250	8	6	2	15.0	0.0034	2.345
20	1440	8	6	2	15.0	0.0014	2.345

Date Analyzed: 12/11/01

Southwest Research Institute

010086

Grain Size Report

SwRI Sample ID:	170926D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01937	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 225.58

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	26.71	11.8	88.2
#4	33.75	26.8	73.2
#10	33.64	41.7	58.3

Date Analyzed: 12/10/2001

Southwest Research Institute

010087

Grain Size RPD Report

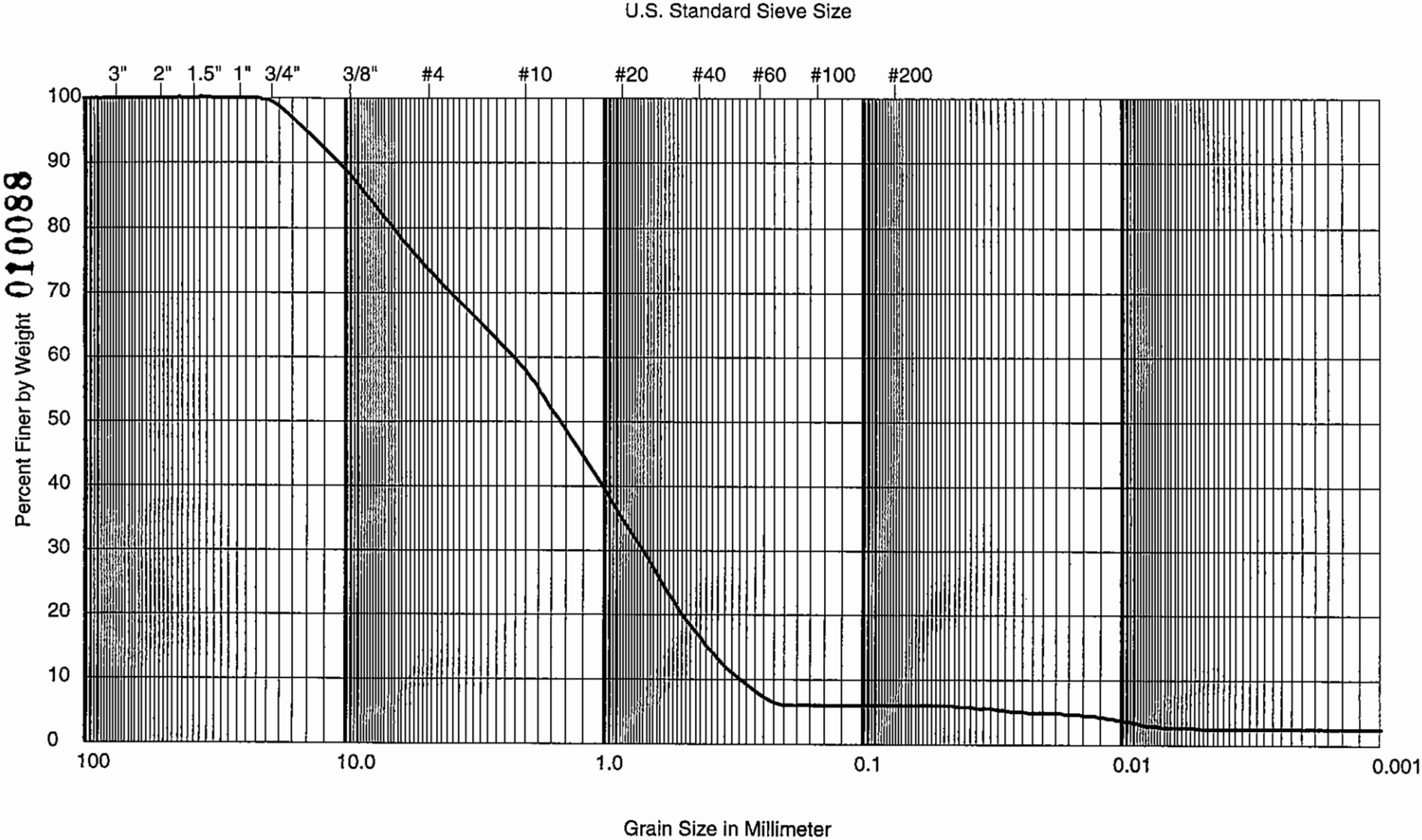
SwRI Sample ID: 170926
Work Order: 21276
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01937
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	88.2	88.2	88.2	0
#4 (4.75 mm)	73.1	73.2	73.2	0.1
#10 (2.00 mm)	58.0	58.3	58.2	0.4



SwRI Sample ID: 170926
Work Order: 21276
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01937
Sample Matrix: SEDIMENT

Southwest Research Institute

010089

Grain Size Report

SwRI Sample ID:	170927	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01939	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 254.58

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	16.07	6.3	93.7
#4	37.26	20.9	79.1
#10	42.18	37.5	62.5

Date Analyzed: 12/11/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.14

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	15.47	49.08	144.59	56.8	43.2
#40	16.64	101.87	197.38	77.5	22.5
#60	8.79	129.76	225.27	88.5	11.5
#100	4.01	142.48	237.99	93.5	6.5
#200	1.78	148.12	243.63	95.7	4.3

Date Analyzed: 12/14/2001

Specific Gravity: 2.52 Hydrometer ID: 152-H-002

Temp.	Reading Time	Hydro. Reading	Hydro: Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	8	5	3	15.0	0.0389	3.836
20	5	8	5	3	15.0	0.0246	3.836
20	15	7	5	2	15.2	0.0143	2.557
20	30	7	5	2	15.2	0.0101	2.557
20	60	6	5	1	15.3	0.0072	1.279
20	250	6	5	1	15.3	0.0035	1.279
20	1440	6	5	1	15.3	0.0015	1.279

Date Analyzed: 12/11/2001

010090

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170927D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01939	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 254.58

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	16.07	6.3	93.7
#4	37.15	20.9	79.1
#10	42.05	37.4	62.6

Date Analyzed: 12/11/01

Southwest Research Institute

010091

Grain Size RPD Report

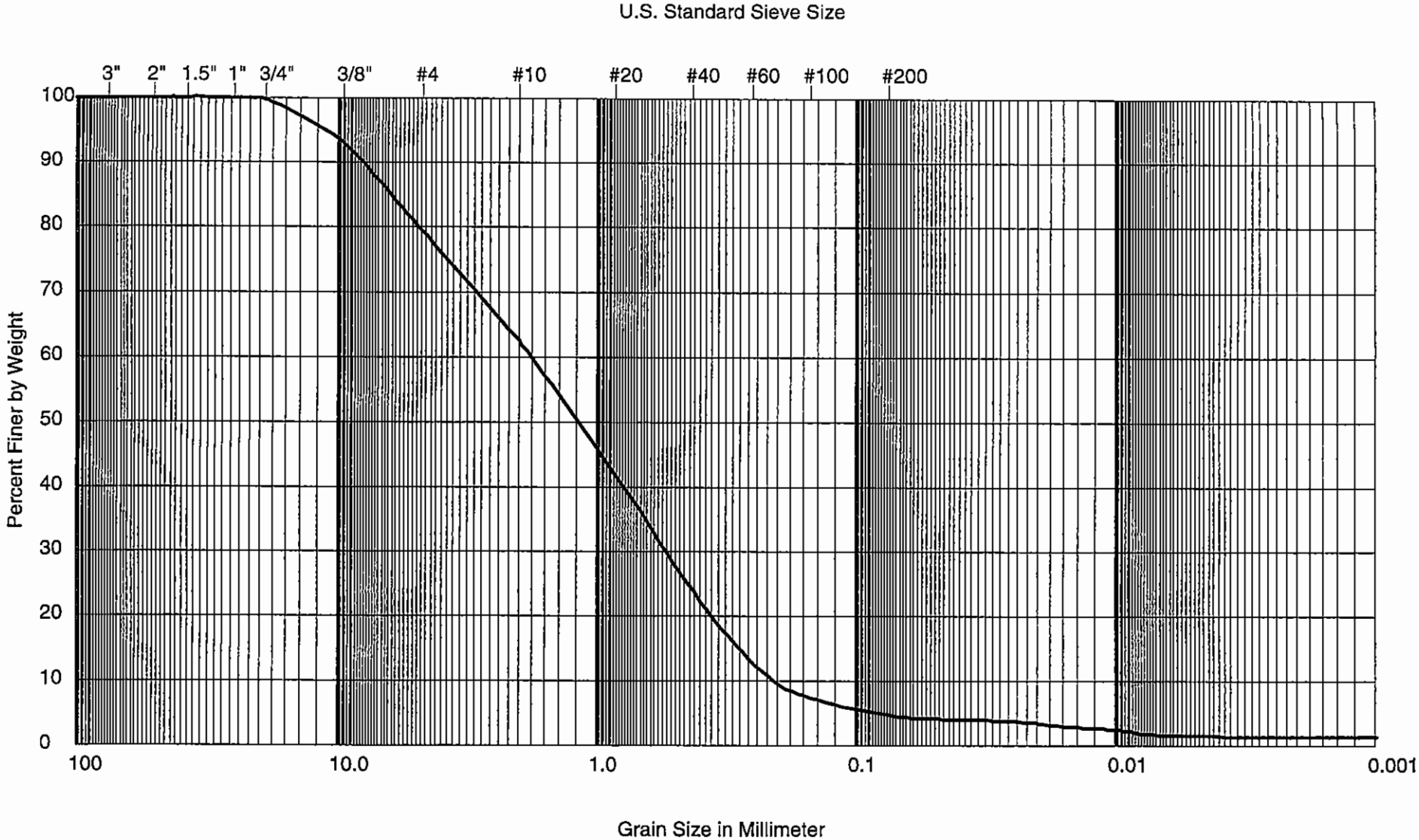
SwRI Sample ID: 170927
Work Order: 21276
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01939
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	93.7	93.7	93.7	0
#4 (4.75 mm)	79.1	79.1	79.1	0.1
#10 (2.00 mm)	62.5	62.6	62.5	0.2



SwRI Sample ID: 170927

Work Order: 21276

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01939

Sample Matrix: SEDIMENT

260010

Southwest Research Institute

010093

Grain Size Report

SwRI Sample ID:	170928	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01941	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 225.17

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	10.28	4.6	95.4
3/8"	57.81	30.2	69.8
#4	19.45	38.9	61.1
#10	18.10	46.9	53.1

Date Analyzed: 12/11/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.06					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	9.86	23.54	129.18	57.4	42.6
#40	9.28	45.70	151.34	67.2	32.8
#60	6.13	60.34	165.98	73.7	26.3
#100	4.33	70.68	176.32	78.3	21.7
#200	3.54	79.13	184.77	82.1	17.9

Date Analyzed: 12/14/2001

Specific Gravity: 2.10				Hydrometer ID: 152-H-004			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	20	5	15	13.0	0.0426	18.928
20	5	18	5	13	13.3	0.0272	16.405
20	15	15	5	10	13.8	0.0160	12.619
20	30	14	5	9	14.0	0.0114	11.357
20	60	13	5	8	14.2	0.0081	10.095
20	250	10	5	5	14.7	0.0040	6.309
20	1440	8	5	3	15.0	0.0017	3.786

Date Analyzed: 12/11/2001

Southwest Research Institute

010094

Grain Size Report

SwRI Sample ID:	170928D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01941	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 225.17

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	10.28	4.6	95.4
3/8"	57.80	30.2	69.8
#4	19.38	38.8	61.2
#10	17.80	46.7	53.3

Date Analyzed: 12/11/01

Southwest Research Institute
Grain Size RPD Report

010095

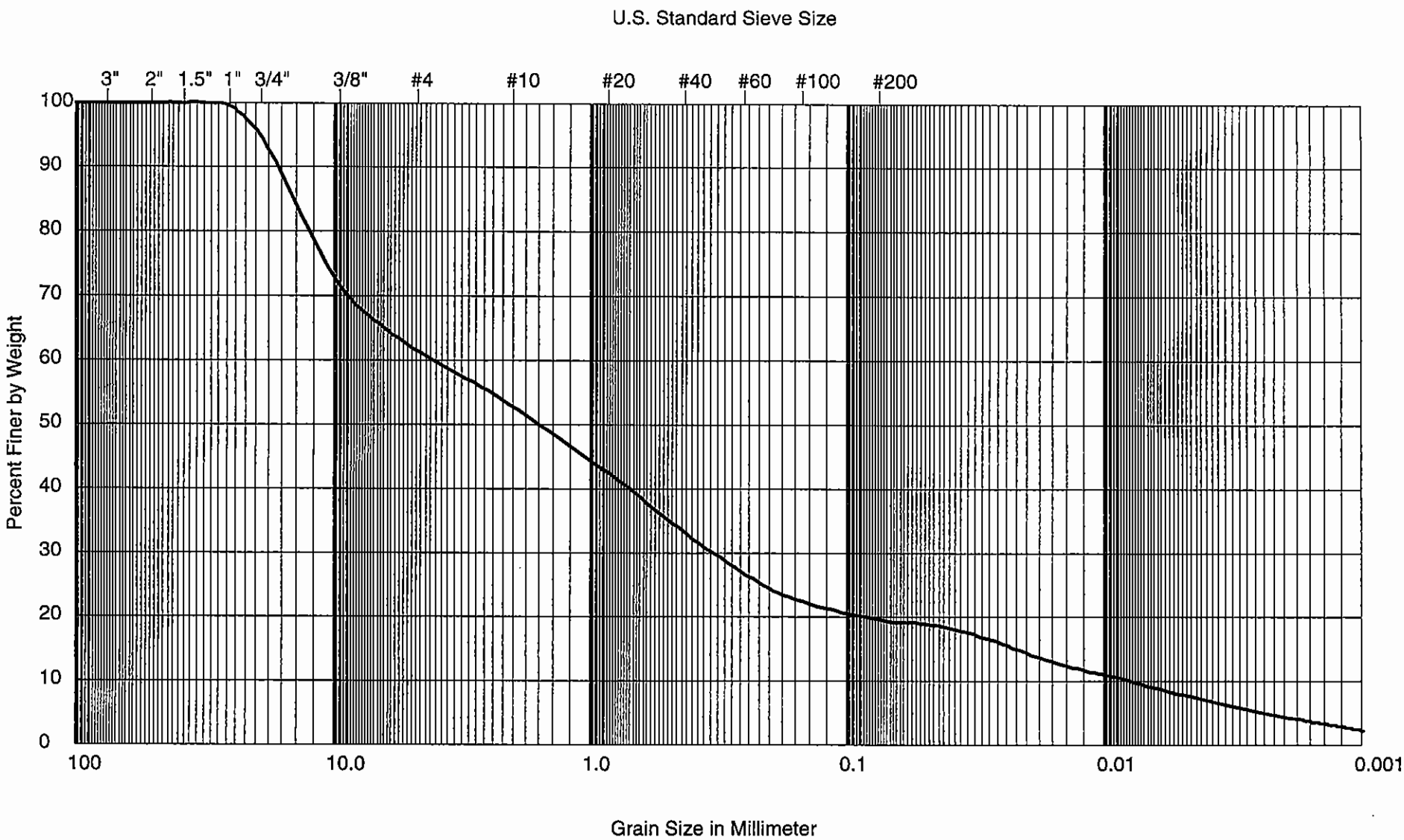
SwRI Sample ID: 170928
Work Order: 21276
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01941
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	95.4	95.4	95.4	0
3/8" (9.5 mm)	69.8	69.8	69.8	0.0
#4 (4.75 mm)	61.1	61.2	61.1	0.1
#10 (2.00 mm)	53.1	53.3	53.2	0.3



SwRI Sample ID: 170928

Work Order: 21276

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01941

Sample Matrix: SEDIMENT

01096

Southwest Research Institute
Grain Size Report

010097

SwRI Sample ID:	170929	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01942	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 245.55

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	40.83	16.6	83.4
#4	33.63	30.3	69.7
#10	30.62	42.8	57.2

Date Analyzed: 12/11/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.03					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	12.12	34.03	139.11	56.7	43.3
#40	11.54	66.43	171.51	69.8	30.2
#60	7.38	87.15	192.23	78.3	21.7
#100	4.45	99.65	204.73	83.4	16.6
#200	2.93	107.87	212.95	86.7	13.3

Date Analyzed: 12/14/01

Specific Gravity: 2.41				Hydrometer ID: 152-H-005			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	14	4	10	14.0	0.0390	12.189
20	5	12	4	8	14.3	0.0249	9.751
20	15	10	4	6	14.7	0.0146	7.313
20	30	9	4	5	14.8	0.0104	6.095
20	60	8	4	4	15.0	0.0074	4.876
20	250	6	4	2	15.3	0.0036	2.438
20	1440	6	4	2	15.3	0.0015	2.438

Date Analyzed: 12/11/01

Southwest Research Institute
Grain Size Report

010098

SwRI Sample ID:	170929D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01942	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 245.55

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	40.83	16.6	83.4
#4	33.63	30.3	69.7
#10	30.50	42.7	57.3

Date Analyzed: 12/11/01

010099

Southwest Research Institute
Grain Size RPD Report

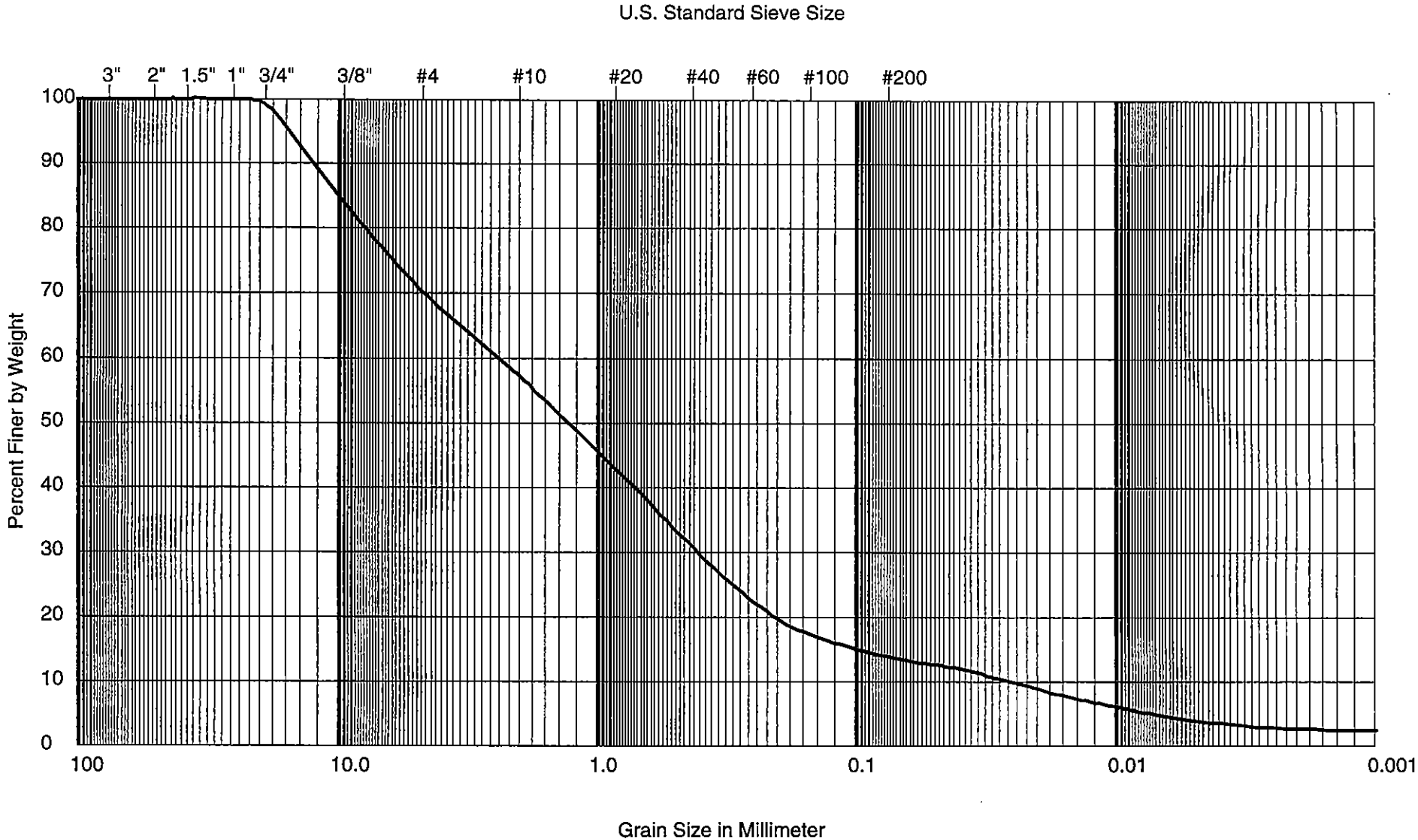
SwRI Sample ID: 170929
Work Order: 21276
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01942
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	83.4	83.4	83.4	0
#4 (4.75 mm)	69.7	69.7	69.7	0
#10 (2.00 mm)	57.2	57.3	57.2	0.1



SwRI Sample ID: 170929

Work Order: 21276

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01942

Sample Matrix: SEDIMENT

010100

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170930	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01943	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 239.60

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0.84	0.4	99.6
#10	8.21	3.8	96.2

Date Analyzed: 12/11/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.17

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	11.31	51.97	61.02	25.5	74.5
#40	17.99	134.64	143.69	60.0	40.0
#60	12.26	190.98	200.03	83.5	16.5
#100	4.72	212.67	221.72	92.5	7.5
#200	1.35	218.88	227.93	95.1	4.9

Date Analyzed: 12/14/01

Specific Gravity: 2.52 Hydrometer ID: 152-H-006

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	7	4	3	15.2	0.0392	5.903
20	5	7	4	3	15.2	0.0248	5.903
20	15	7	4	3	15.2	0.0143	5.903
20	30	7	4	3	15.2	0.0101	5.903
20	60	7	4	3	15.2	0.0071	5.903
20	250	7	4	3	15.2	0.0035	5.903
20	1440	7	4	3	15.2	0.0015	5.903

Date Analyzed: 12/11/01

010102

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170930D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01943	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 239.60

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0.84	0.4	99.6
#10	8.15	3.8	96.2

Date Analyzed: 12/11/01

010103

Southwest Research Institute
Grain Size RPD Report

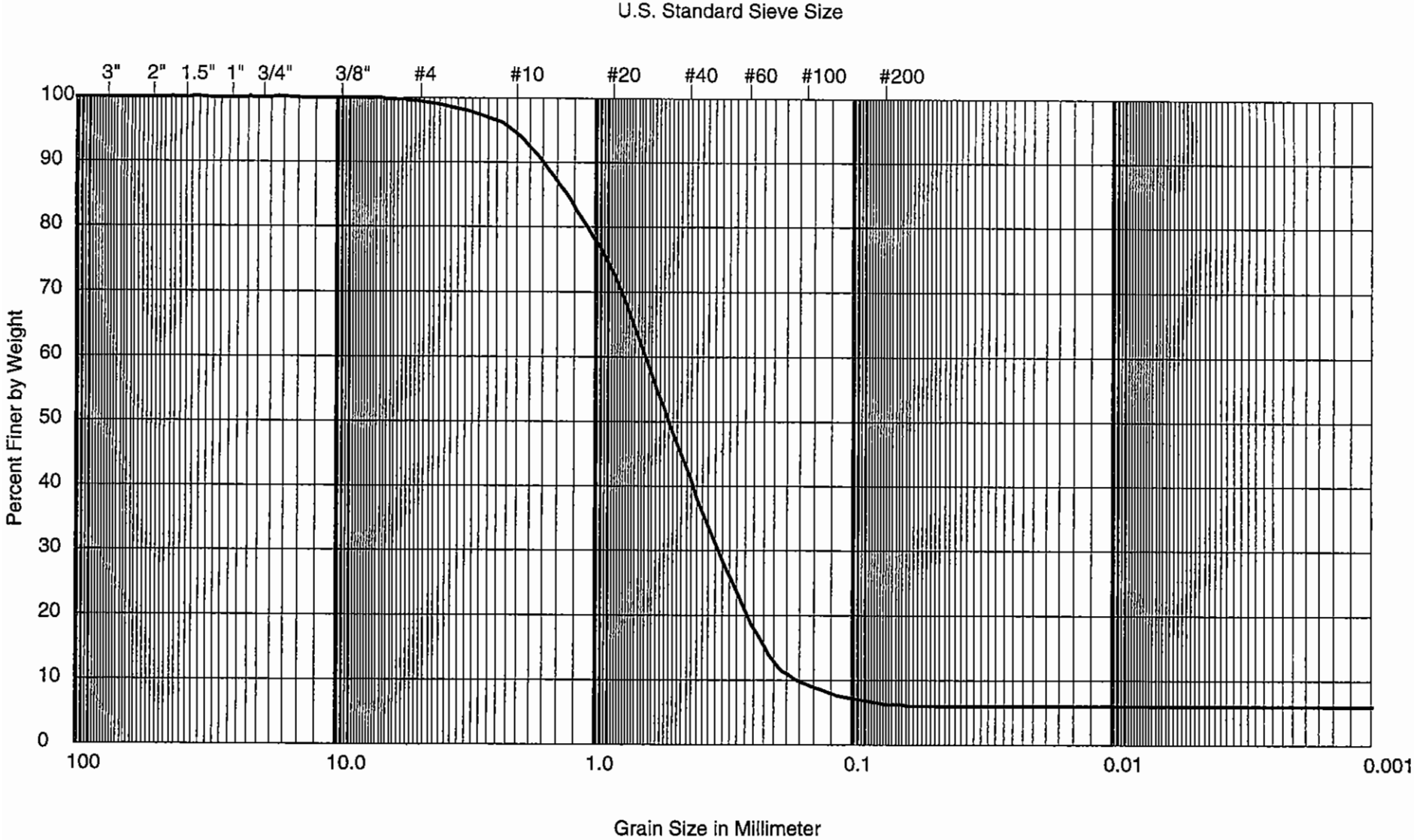
SwRI Sample ID: 170930
Work Order: 21276
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01943
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	99.6	99.6	99.6	0
#10 (2.00 mm)	96.2	96.2	96.2	0.0



SwRI Sample ID: 170930
Work Order: 21276
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01943
Sample Matrix: SEDIMENT

010104

Southwest Research Institute

010105

Grain Size Report

SwRI Sample ID:	170931	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01944	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 223.14

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	9.51	4.3	95.7
3/8"	11.31	9.3	90.7
#4	14.10	15.6	84.4
#10	17.71	23.6	76.4

Date Analyzed: 12/11/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.06

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	11.50	39.17	91.80	41.1	58.9
#40	16.47	95.27	147.90	66.3	33.7
#60	9.45	127.46	180.09	80.7	19.3
#100	4.38	142.38	195.01	87.4	12.6
#200	2.41	150.58	203.21	91.1	8.9

Date Analyzed: 12/14/2001

Specific Gravity: 2.37 Hydrometer ID: 152-H-007

Temp.	Reading Time	Hydro. Reading	Hydro: Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	11	5	6	14.5	0.0403	9.910
20	5	10	5	5	14.7	0.0257	8.258
20	15	9	5	4	14.8	0.0149	6.606
20	30	9	5	4	14.8	0.0105	6.606
20	60	8	5	3	15.0	0.0075	4.955
20	250	8	5	3	15.0	0.0037	4.955
20	1440	7	5	2	15.2	0.0015	3.303

Date Analyzed: 12/11/2001

010106

Southwest Research Institute

Grain Size Report

SwRI Sample ID:	170931D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01944	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 223.14

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	9.51	4.3	95.7
3/8"	11.31	9.3	90.7
#4	14.10	15.6	84.4
#10	17.52	23.5	76.5

Date Analyzed: 12/11/2001

010107

Southwest Research Institute
Grain Size RPD Report

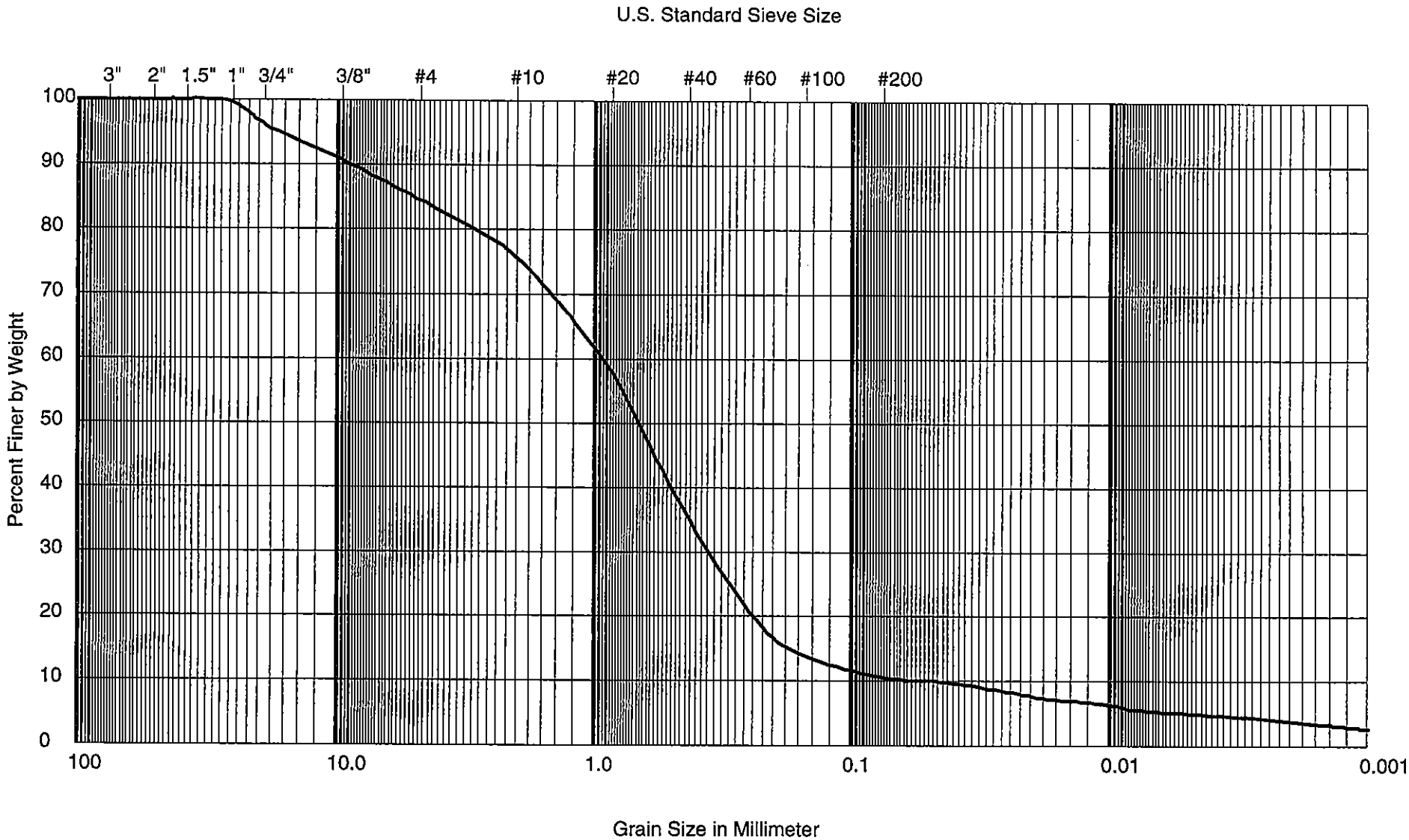
SwRI Sample ID: 170931D
Work Order: 21276
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01944
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	95.7	95.7	95.7	0
3/8" (9.5 mm)	90.7	90.7	90.7	0
#4 (4.75 mm)	84.4	84.4	84.4	0
#10 (2.00 mm)	76.4	76.5	76.5	0.1



SwRI Sample ID: 170931

Work Order: 21276

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01944

Sample Matrix: SEDIMENT

010108

010109

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170931Z	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01944	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 222.89

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	9.99	4.5	95.5
3/8"	12.35	10.0	90.0
#4	15.20	16.8	83.2
#10	17.10	24.5	75.5

Date Analyzed: 12/11/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.01					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	11.38	38.29	92.93	41.7	58.3
#40	16.10	92.45	147.09	66.0	34.0
#60	9.63	124.85	179.49	80.5	19.5
#100	4.28	139.25	193.89	87.0	13.0
#200	2.49	147.63	202.27	90.7	9.3

Date Analyzed: 12/14/2001

Specific Gravity: 2.37				Hydrometer ID: 152-H-008			
Temp.	Reading Time	Hydro. Reading	Hydro: Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	11	5	6	14.5	0.0403	9.799
20	5	10	5	5	14.7	0.0257	8.166
20	15	9	5	4	14.8	0.0149	6.533
20	30	9	5	4	14.8	0.0105	6.533
20	60	9	5	4	14.8	0.0074	6.533
20	250	8	5	3	15.0	0.0037	4.900
20	1440	8	5	3	15.0	0.0015	4.900

Date Analyzed: 12/11/2001

Southwest Research Institute
Grain Size Report

010110

SwRI Sample ID: 170931ZD
Work Order #: 21276
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01944
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve of +10

Total Sample Wt: 222.89

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	9.99	4.5	95.5
3/8"	12.25	10.0	90.0
#4	15.20	16.8	83.2
#10	17.00	24.4	75.6

Date Analyzed: 12/11/2001

Southwest Research Institute
Grain Size RPD Report

010111

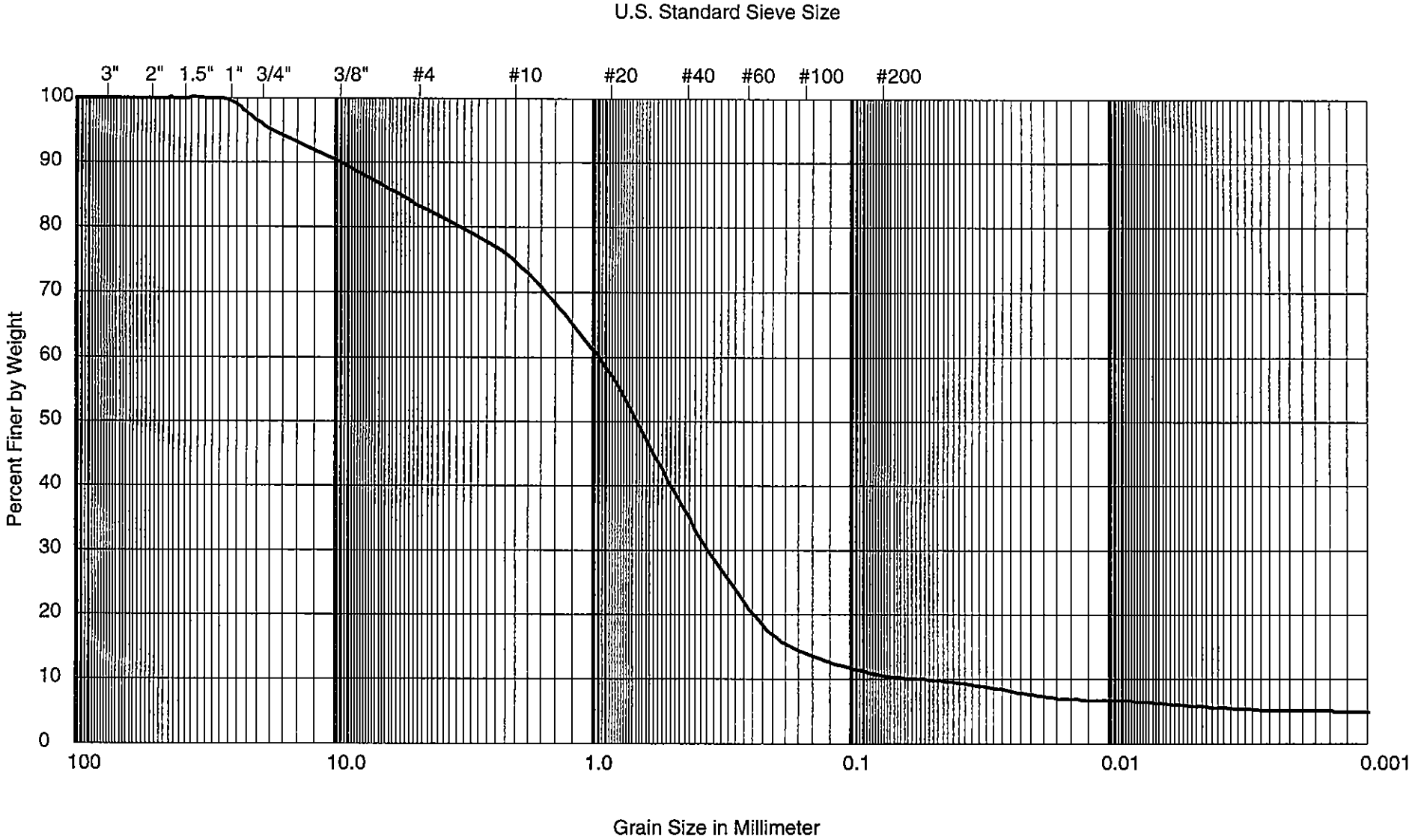
SwRI Sample ID: 170931Z
Work Order: 21276
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01944
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	95.5	95.5	95.5	0
3/8" (9.5 mm)	90.0	90.0	90.0	0.0
#4 (4.75 mm)	83.2	83.2	83.2	0.1
#10 (2.00 mm)	75.5	75.6	75.5	0.1



SwRI Sample ID: 170931Z

Work Order: 21276

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01944

Sample Matrix: SEDIMENT

010112

Southwest Research Institute
Grain Size Duplicate Report

010113

SwRI Sample ID: 170931
Work Order: 21273
Project: 03159.12.006

Client: METCALF & EDDY
Client Sample ID: D01944
Sample Matrix: SEDIMENT

Case: DAS-0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	%RPD
3"	100	100	0
2"	100	100	0
1 1/2"	100	100	0
1"	100	100	0
3/4"	95.7	95.5	0.21
3/8"	90.7	90.0	0.77
#4	84.4	83.2	1.43
#10	76.4	75.5	1.18
#20	58.9	58.3	1.02
#40	33.7	34.0	0.89
#60	19.3	19.5	1.03
#100	12.6	13.0	3.13
#200	8.90	9.30	4.40

Hyrometer Analysis

Reading Time, min	% Finer	% Finer	%RPD
2	9.910	9.799	1.13
5	8.258	8.166	1.12
15	6.606	6.533	1.11
30	6.606	6.533	1.11
60	4.955	6.533	27.47
250	4.955	4.900	1.12
1440	3.303	4.900	38.94

010114

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170933	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01992	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 240.85

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	47.33	19.7	80.3
#4	37.83	35.4	64.6
#10	27.56	46.8	53.2

Date Analyzed: 12/11/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.01

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	12.60	32.28	145.00	60.2	39.8
#40	11.82	62.57	175.29	72.8	27.2
#60	7.38	81.47	194.19	80.6	19.4
#100	4.31	92.52	205.24	85.2	14.8
#200	2.74	99.54	212.26	88.1	11.9

Date Analyzed: 12/14/01

Specific Gravity: 2.30 Hydrometer ID: 152-H-009

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	14	4	10	14.0	0.0406	11.808
20	5	13	4	9	14.2	0.0259	10.627
20	15	12	4	8	14.3	0.0150	9.446
20	30	11	4	7	14.5	0.0107	8.265
20	60	10	4	6	14.7	0.0076	7.085
20	250	8	4	4	15.0	0.0038	4.723
20	1440	7	4	3	15.2	0.0016	3.542

Date Analyzed: 12/11/01

Southwest Research Institute
Grain Size Report

010115

SwRI Sample ID:	170933D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21276	Client Sample ID:	D01992	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 240.85

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	47.33	19.7	80.3
#4	37.69	35.3	64.7
#10	27.31	46.6	53.4

Date Analyzed: 12/11/01

Southwest Research Institute

010116

Grain Size RPD Report

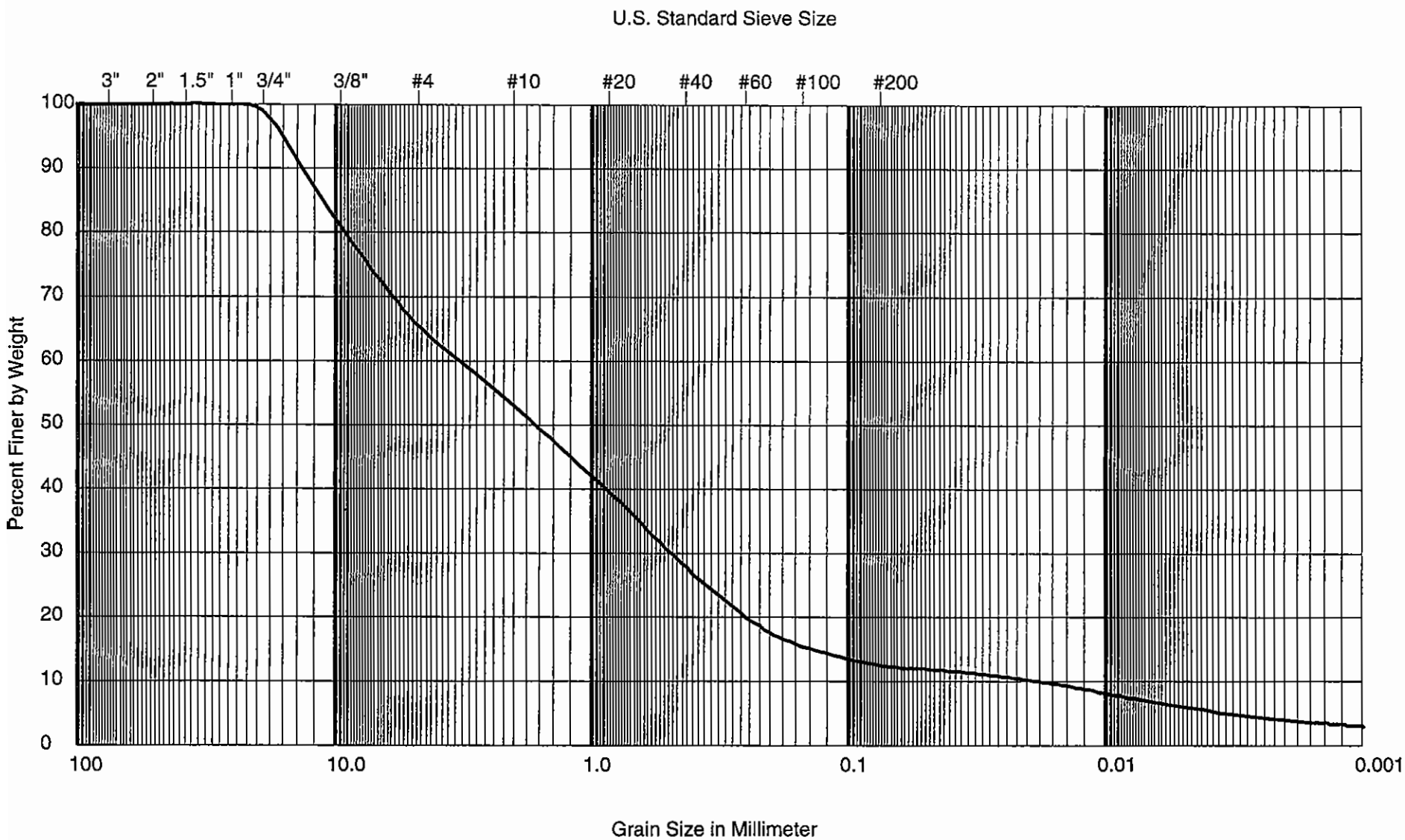
SwRI Sample ID: 170933
Work Order: 21276
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01992
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	80.3	80.3	80.3	0
#4 (4.75 mm)	64.6	64.7	64.7	0.1
#10 (2.00 mm)	53.2	53.4	53.3	0.3



SwRI Sample ID: 170933
Work Order: 21276
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01992
Sample Matrix: SEDIMENT

010117

Southwest Research Institute
Grain Size Report

010118

SwRI Sample ID: 170981
Work Order #: 21280
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01947
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve of +10

Total Sample Wt: 248.68

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	14.88	6.0	94.0
#4	18.50	13.4	86.6
#10	22.70	22.6	77.4

Date Analyzed: 12/11/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.12

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	9.55	36.70	92.78	37.3	62.7
#40	14.01	90.54	146.62	59.0	41.0
#60	10.27	130.00	186.08	74.8	25.2
#100	4.69	148.02	204.10	82.1	17.9
#200	2.87	159.05	215.13	86.5	13.5

Date Analyzed: 12/14/01

Specific Gravity: 2.67 Hydrometer ID: 152-H-001

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	10	6	4	14.7	0.0367	6.156
20	5	10	6	4	14.7	0.0232	6.156
20	15	10	6	4	14.7	0.0134	6.156
20	30	9	6	3	14.8	0.0095	4.617
20	60	9	6	3	14.8	0.0067	4.617
20	250	9	6	3	14.8	0.0033	4.617
20	1440	8	6	2	15.0	0.0014	3.078

Date Analyzed: 12/11/01

010119

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170981D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21280	Client Sample ID:	D01947	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 248.68

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	14.88	6.0	94.0
#4	18.50	13.4	86.6
#10	22.65	22.5	77.5

Date Analyzed: 12/11/01

010120

Southwest Research Institute
Grain Size RPD Report

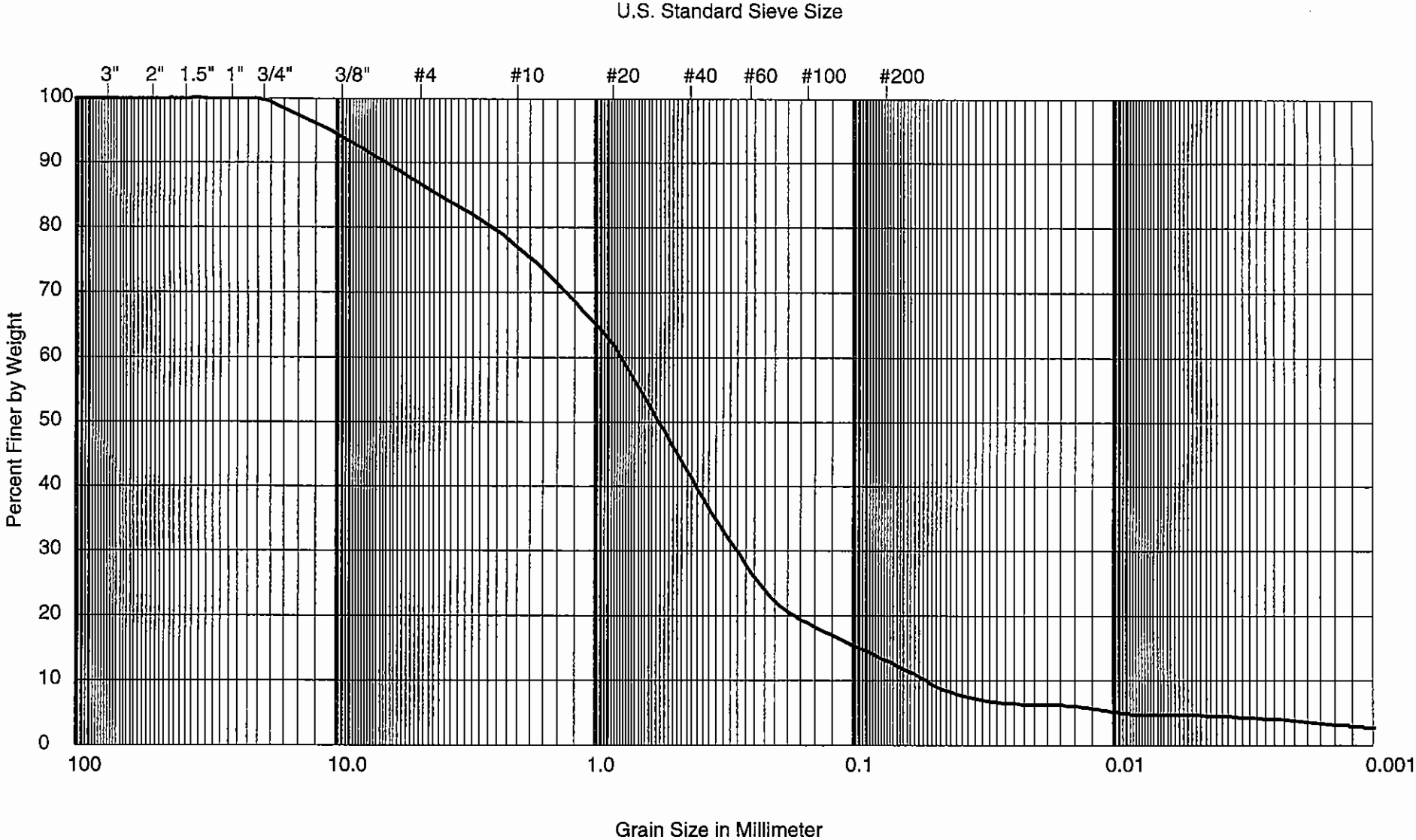
SwRI Sample ID: 170981
Work Order: 21280
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01947
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	94.0	94.0	94.0	0
#4 (4.75 mm)	86.6	86.6	86.6	0
#10 (2.00 mm)	77.4	77.5	77.5	0.0



SwRI Sample ID: 170981
Work Order: 21280
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01947
Sample Matrix: SEDIMENT

0101121

Southwest Research Institute
Grain Size Report

010122

SwRI Sample ID:	170982	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21280	Client Sample ID:	D01948	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 257.86

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	3.15	1.2	98.8
#4	0	1.2	98.8
#10	3.19	2.5	97.5

Date Analyzed: 12/12/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.28

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	1.11	5.55	11.89	4.6	95.4
#40	2.37	17.41	23.75	9.2	90.8
#60	3.95	37.17	43.51	16.9	83.1
#100	6.36	68.98	75.32	29.2	70.8
#200	6.08	99.40	105.74	41.0	59.0

Date Analyzed: 12/14/01

Specific Gravity: 2.59 Hydrometer ID: 152-H-001

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	28	6	22	11.7	0.0336	43.191
20	5	22	6	16	12.7	0.0221	31.412
20	15	18	6	12	13.3	0.0131	23.559
20	30	16	6	10	13.7	0.0094	19.632
20	60	14	6	8	14.0	0.0067	15.706
20	250	11	6	5	14.5	0.0033	9.816
20	1440	10	6	4	14.7	0.0014	7.853

Date Analyzed: 12/12/01

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170982D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21280	Client Sample ID:	D01948	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 257.86

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	3.15	1.2	98.8
#4	0	1.2	98.8
#10	3.15	2.4	97.6

Date Analyzed: 12/12/01

010124

Southwest Research Institute
Grain Size RPD Report

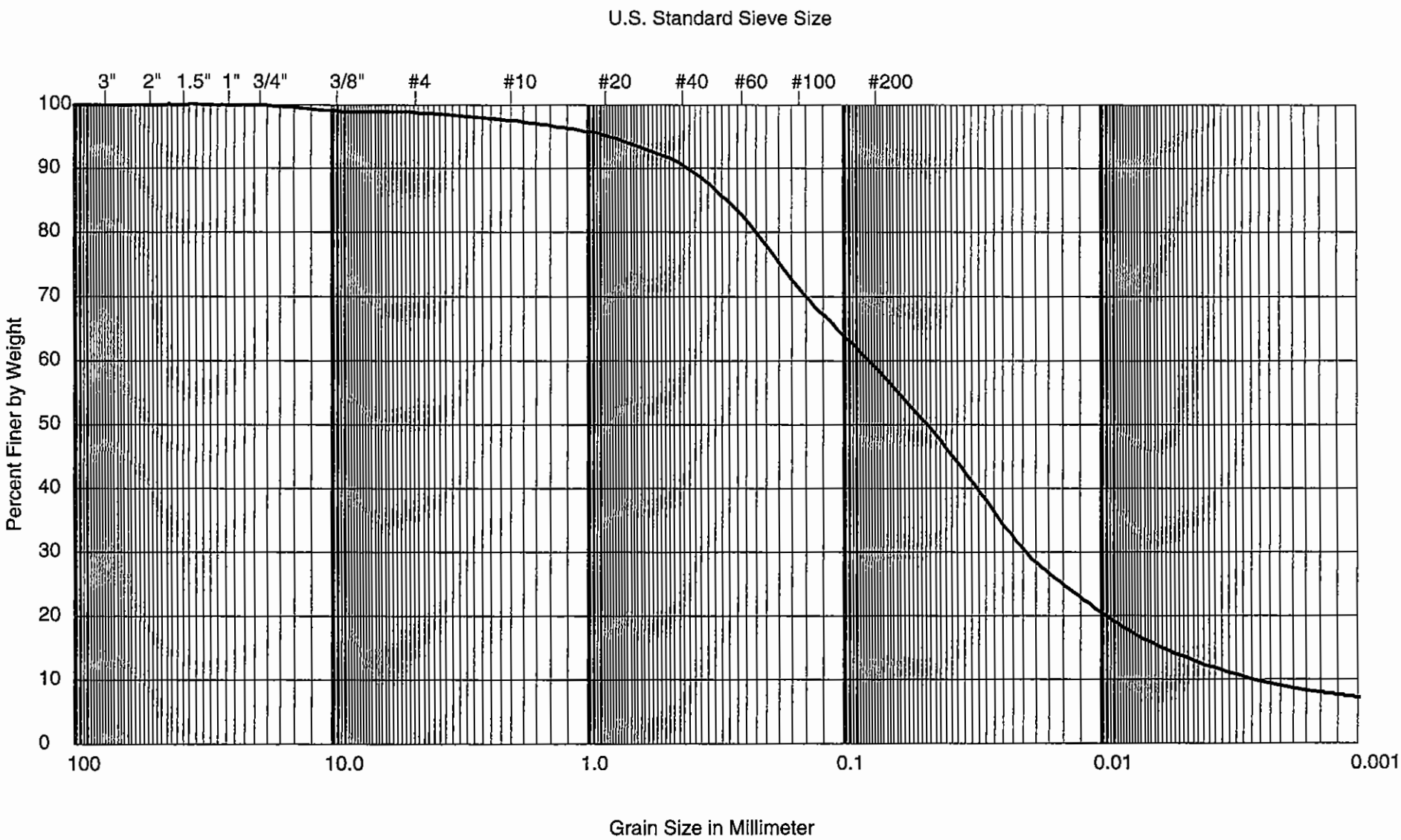
SwRI Sample ID: 170982
Work Order: 21280
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01948
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	98.8	98.8	98.8	0
#4 (4.75 mm)	98.8	98.8	98.8	0
#10 (2.00 mm)	97.5	97.6	97.5	0.0



SwRI Sample ID: 170982

Work Order: 21280

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01948

Sample Matrix: SEDIMENT

010125

Southwest Research Institute
Grain Size Report

010126

SwRI Sample ID: 170983
Work Order #: 21280
Project: 03159.12.00X

Customer: METCALF & EDDY
Client Sample ID: D01949
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Total Sample Wt: 230.54

Sieve of +10

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	10.95	4.7	95.3
#4	30.00	17.8	82.2
#10	35.53	33.2	66.8

Date Analyzed: 12/12/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.08					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	12.01	36.95	113.43	49.2	50.8
#40	12.80	76.32	152.80	66.3	33.7
#60	11.13	110.56	187.04	81.1	18.9
#100	6.28	129.88	206.36	89.5	10.5
#200	2.95	138.96	215.44	93.4	6.6

Date Analyzed: 12/14/2001

Specific Gravity: 2.10				Hydrometer ID: 152-H-002			
Temp.	Reading Time	Hydro. Reading	Hydro: Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	10	5	5	14.7	0.0453	7.940
20	5	9	5	4	14.8	0.0287	6.352
20	15	8	5	3	15.0	0.0167	4.764
20	30	8	5	3	15.0	0.0118	4.764
20	60	6	5	1	15.3	0.0084	1.588
20	250	6	5	1	15.3	0.0041	1.588
20	1440	6	5	1	15.3	0.0017	1.588

Date Analyzed: 12/12/2001

Southwest Research Institute
Grain Size Report

010127

SwRI Sample ID:	170983D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21280	Client Sample ID:	D01949	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 230.54

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	10.95	4.7	95.3
#4	30.00	17.8	82.2
#10	34.99	32.9	67.1

Date Analyzed: 12/12/01

Southwest Research Institute
Grain Size RPD Report

010128

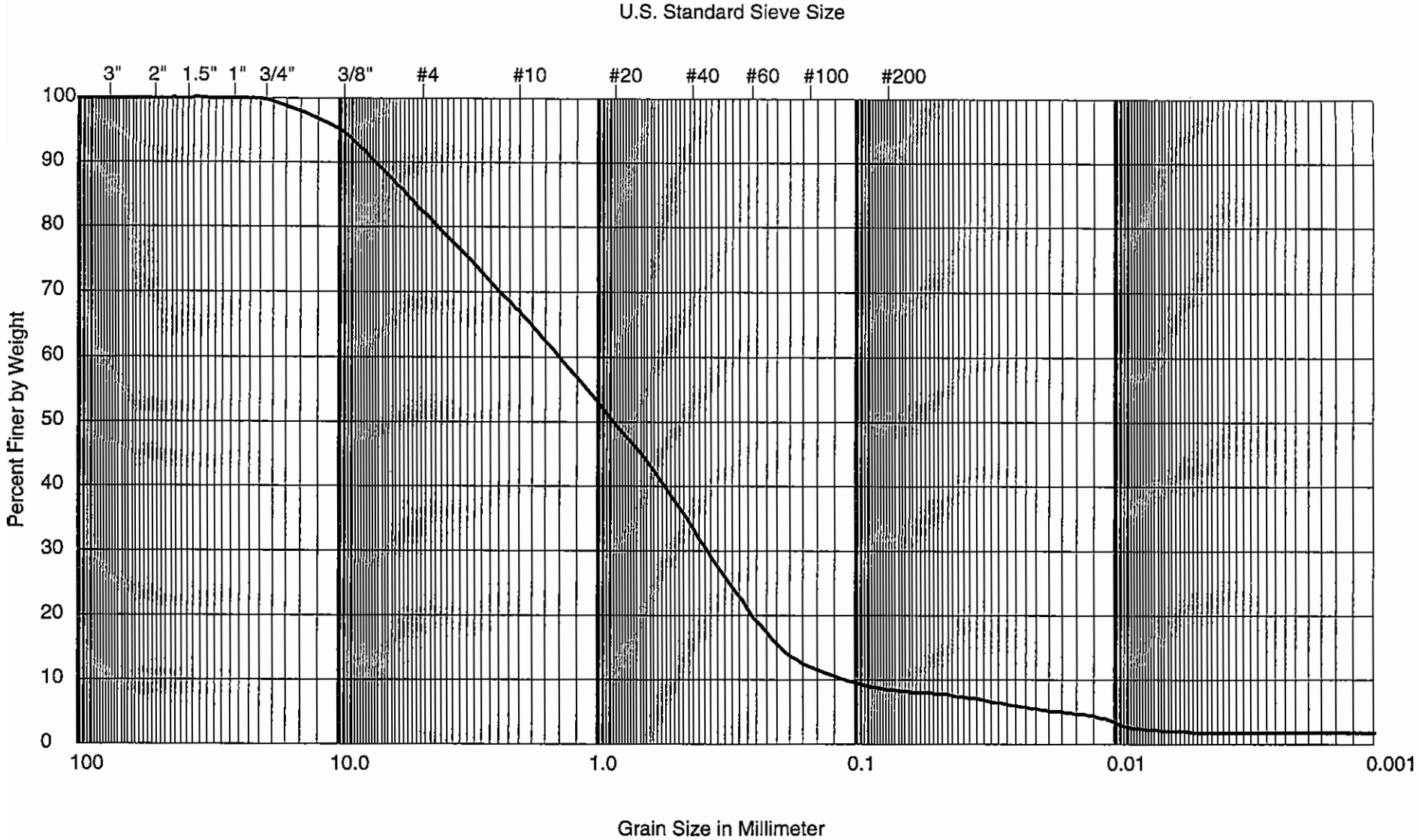
SwRI Sample ID: 170983
Work Order: 21280
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01949
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	95.3	95.3	95.3	0
#4 (4.75 mm)	82.2	82.2	82.2	0
#10 (2.00 mm)	66.8	67.1	66.9	0.3



SwRI Sample ID: 170983

Work Order: 21280

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01949

Sample Matrix: SEDIMENT

010129

010130

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170984	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21280	Client Sample ID:	D01950	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 254.38

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	28.37	11.2	88.8
#4	24.84	20.9	79.1
#10	33.24	34.0	66.0

Date Analyzed: 12/12/01

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.00

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	14.38	48.30	134.75	53.0	47.0
#40	15.53	100.46	186.91	73.5	26.5
#60	9.10	131.02	217.47	85.5	14.5
#100	4.03	144.55	231.00	90.8	9.2
#200	2.01	151.30	237.75	93.5	6.5

Date Analyzed: 12/14/02

Specific Gravity: 2.11 Hydrometer ID: 152-H-004

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	10	5	5	14.7	0.0451	7.829
20	5	9	5	4	14.8	0.0286	6.264
20	15	9	5	4	14.8	0.0165	6.264
20	30	8	5	3	15.0	0.0118	4.698
20	60	7	5	2	15.2	0.0084	3.132
20	250	7	5	2	15.2	0.0041	3.132
20	1440	7	5	2	15.2	0.0017	3.132

Date Analyzed: 12/12/01

010131

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170984D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21280	Client Sample ID:	D01950	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 254.38

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	28.37	11.2	88.8
#4	24.73	20.9	79.1
#10	33.10	33.9	66.1

Date Analyzed: 12/12/01

Southwest Research Institute
Grain Size RPD Report

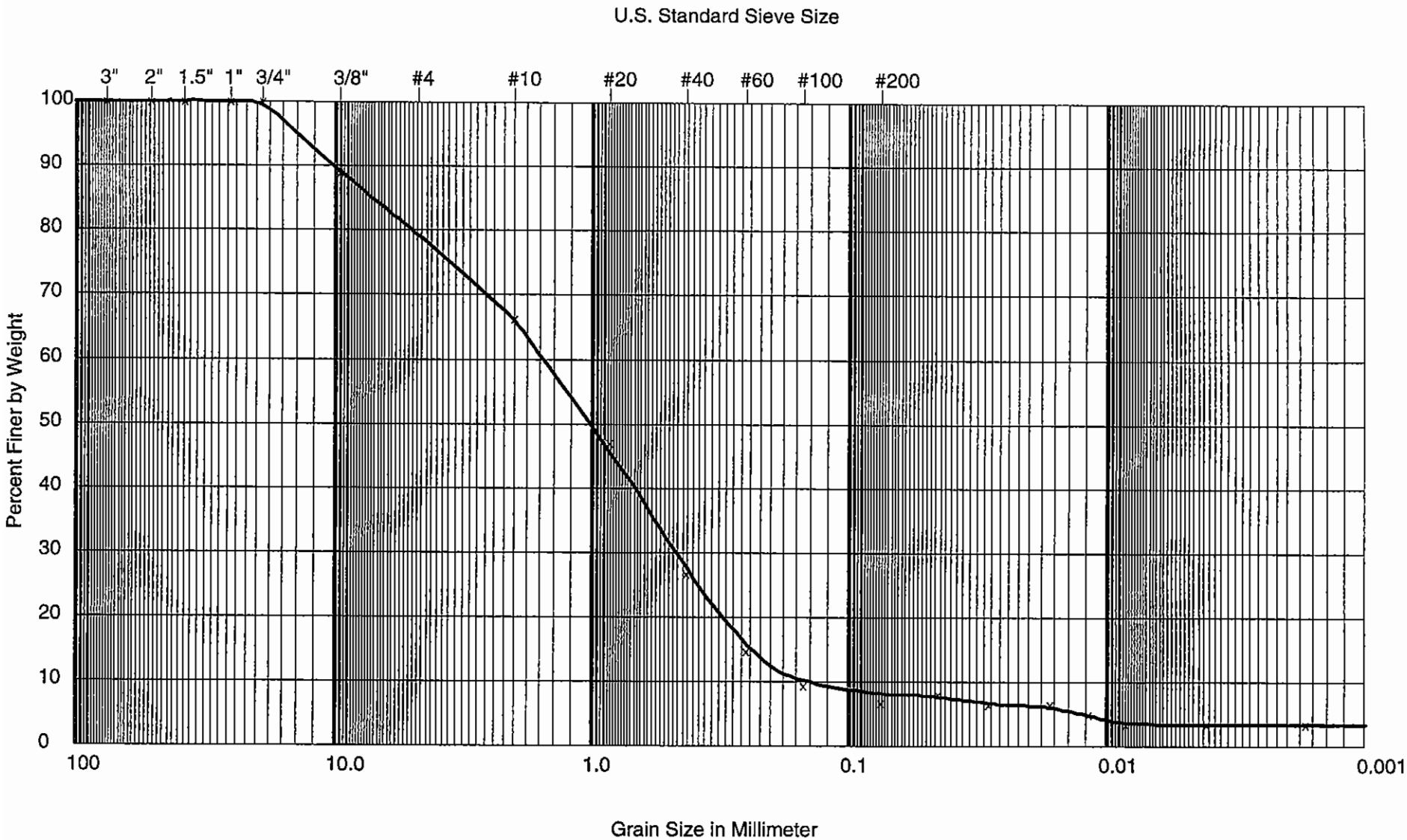
SwRI Sample ID: 170984D
Work Order: 21280
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01950
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	88.8	88.8	88.8	0
#4 (4.75 mm)	79.1	79.1	79.1	0.1
#10 (2.00 mm)	66.0	66.1	66.1	0.1



SwRI Sample ID: 170984

Work Order: 21280

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01950

Sample Matrix: SEDIMENT

0101133

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170985	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21280	Client Sample ID:	D01951	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 244.91

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	28.33	11.6	88.4
#4	29.05	23.4	76.6
#10	37.91	38.9	61.1

Date Analyzed: 12/12/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.24

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	16.97	50.54	145.83	59.5	40.5
#40	13.83	91.73	187.02	76.4	23.6
#60	8.45	116.89	212.18	86.6	13.4
#100	5.42	133.03	228.32	93.2	6.8
#200	1.88	138.63	233.92	95.5	4.5

Date Analyzed: 12/14/2001

Specific Gravity: 2.07 Hydrometer ID: 152-H-005

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	9	4	5	14.8	0.0461	7.308
20	5	8	4	4	15.0	0.0293	5.847
20	15	7	4	3	15.2	0.0170	4.385
20	30	6	4	2	15.3	0.0121	2.923
20	60	6	4	2	15.3	0.0085	2.923
20	250	6	4	2	15.3	0.0042	2.923
20	1440	6	4	2	15.3	0.0017	2.923

Date Analyzed: 12/12/2001

010135

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170985D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21280	Client Sample ID:	D01951	SDG:	D01921
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 244.91

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	28.33	11.6	88.4
#4	28.80	23.3	76.7
#10	37.65	38.7	61.3

Date Analyzed: 12/12/2001

Southwest Research Institute
Grain Size RPD Report

010136

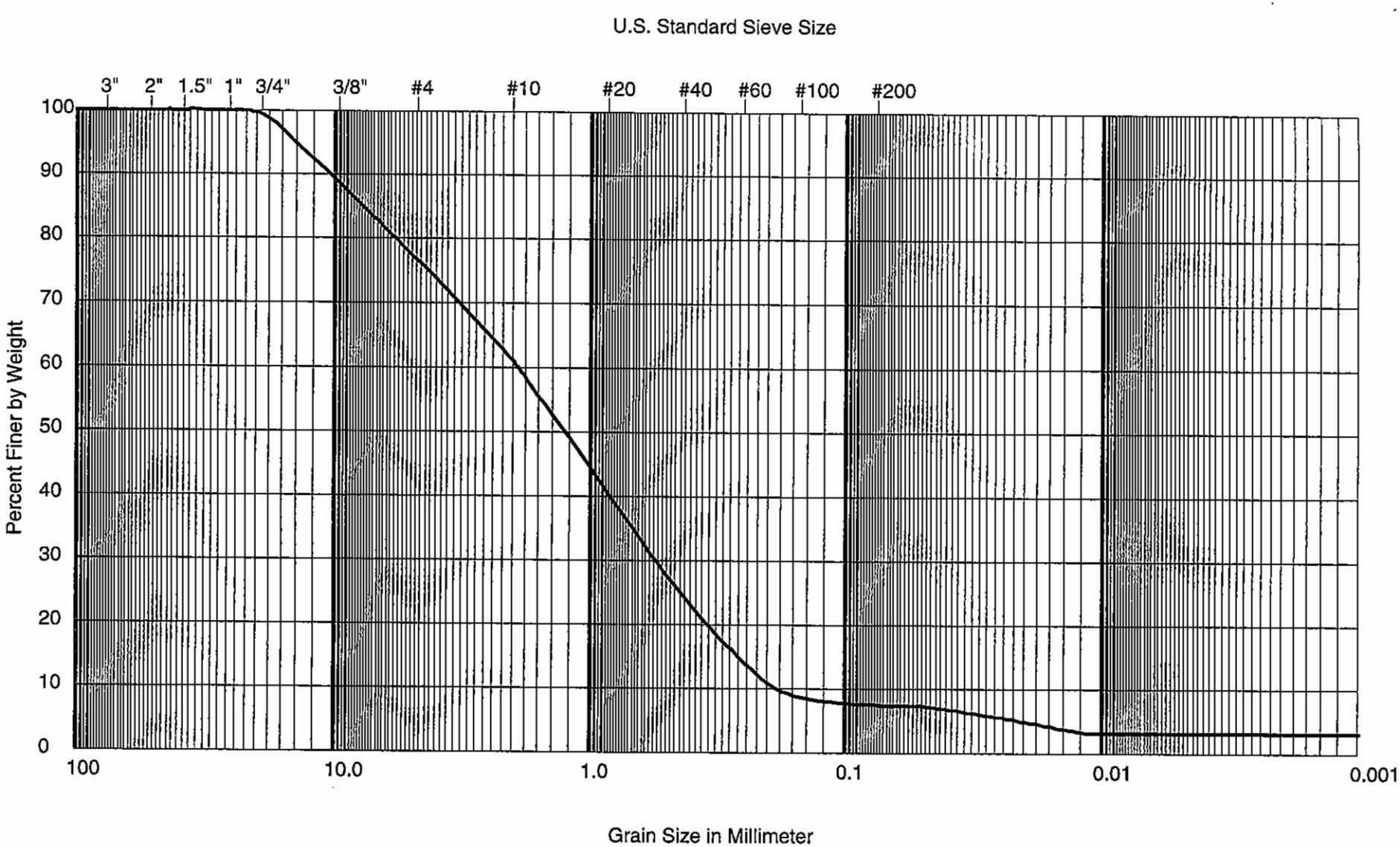
SwRI Sample ID: 170985
Work Order: 21280
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01951
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01921

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	88.4	88.4	88.4	0
#4 (4.75 mm)	76.6	76.7	76.6	0.1
#10 (2.00 mm)	61.1	61.3	61.2	0.3



SwRI Sample ID: 170985
Work Order: 21280
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01951
Sample Matrix: SEDIMENT

010137

Southwest Research Institute
Grain Size Report

010031

SwRI Sample ID:	170986	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21294	Client Sample ID:	D01952	SDG:	D01952
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 239.60

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	20.12	8.4	91.6
#4	20.45	16.9	83.1
#10	38.68	33.1	66.9

Date Analyzed: 12/12/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.17

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	16.06	51.33	130.58	54.5	45.5
#40	17.87	108.44	187.69	78.3	21.7
#60	9.96	140.28	219.53	91.6	8.4
#100	3.58	151.72	230.97	96.4	3.6
#200	0.93	154.69	233.94	97.6	2.4

Date Analyzed: 12/14/2001

Specific Gravity: 2.56 Hydrometer ID: 152-H-006

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	7	4	3	15.2	0.0387	4.074
20	5	6	4	2	15.3	0.0245	2.716
20	15	6	4	2	15.3	0.0142	2.716
20	30	6	4	2	15.3	0.0100	2.716
20	60	6	4	2	15.3	0.0071	2.716
20	250	6	4	2	15.3	0.0035	2.716
20	1440	6	4	2	15.3	0.0014	2.716

Date Analyzed: 12/12/2001

Southwest Research Institute

010032

Grain Size Report

SwRI Sample ID:	170986D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21294	Client Sample ID:	D01952	SDG:	D01952
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 239.60

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	20.12	8.4	91.6
#4	20.45	16.9	83.1
#10	38.54	33.0	67.0

Date Analyzed: 12/12/01

Southwest Research Institute
Grain Size RPD Report

010033

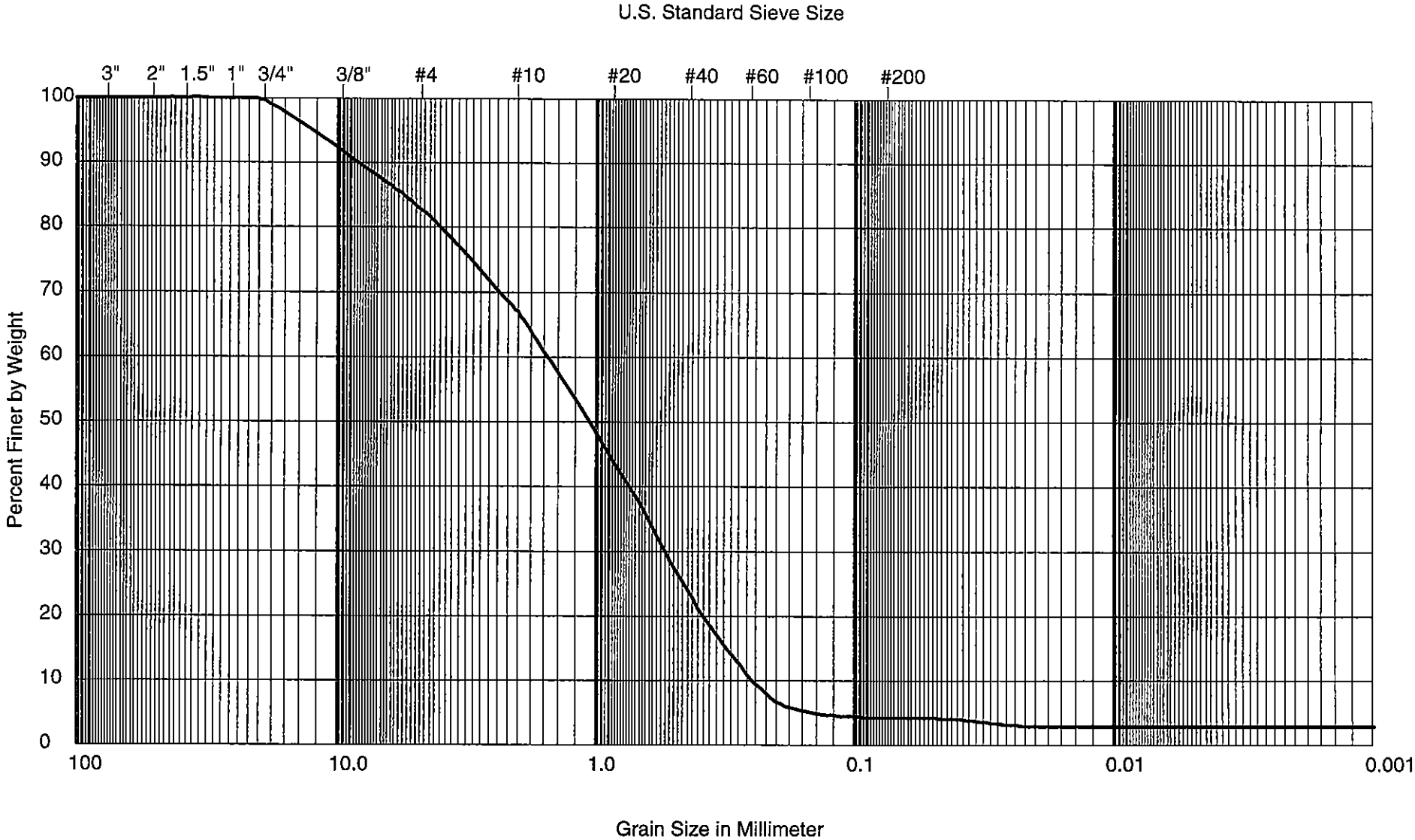
SwRI Sample ID: 170986
Work Order: 21294
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01952
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01952

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	91.6	91.6	91.6	0
#4 (4.75 mm)	83.1	83.1	83.1	0
#10 (2.00 mm)	66.9	67.0	67.0	0.1



SwRI Sample ID: 170986
Work Order: 21294
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01952
Sample Matrix: SEDIMENT

0100034

Southwest Research Institute
Grain Size Report

010035

SwRI Sample ID:	170987	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21294	Client Sample ID:	D01953	SDG:	D01952
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 231.51

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	16.77	7.2	92.8
#4	24.07	17.6	82.4
#10	29.68	30.5	69.5

Date Analyzed: 12/12/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.00					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	16.72	53.84	124.36	53.7	46.3
#40	12.40	93.76	164.28	71.0	29.0
#60	6.62	115.08	185.60	80.2	19.8
#100	3.46	126.22	196.74	85.0	15.0
#200	1.99	132.62	203.14	87.7	12.3

Date Analyzed: 12/14/2001

Specific Gravity: 2.58				Hydrometer ID: 152-H-007			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	13	5	8	14.2	0.0371	11.282
20	5	11	5	6	14.5	0.0237	8.462
20	15	10	5	5	14.7	0.0138	7.051
20	30	8	5	3	15.0	0.0099	4.231
20	60	8	5	3	15.0	0.0070	4.231
20	250	8	5	3	15.0	0.0034	4.231
20	1440	8	5	3	15.0	0.0014	4.231

Date Analyzed: 12/12/2001

Southwest Research Institute
Grain Size Report

010036

SwRI Sample ID:	170987D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21294	Client Sample ID:	D01953	SDG:	D01952
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 231.51

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	16.76	7.2	92.8
#4	23.95	17.6	82.4
#10	29.43	30.3	69.7

Date Analyzed: 12/12/01

Southwest Research Institute

010037

Grain Size RPD Report

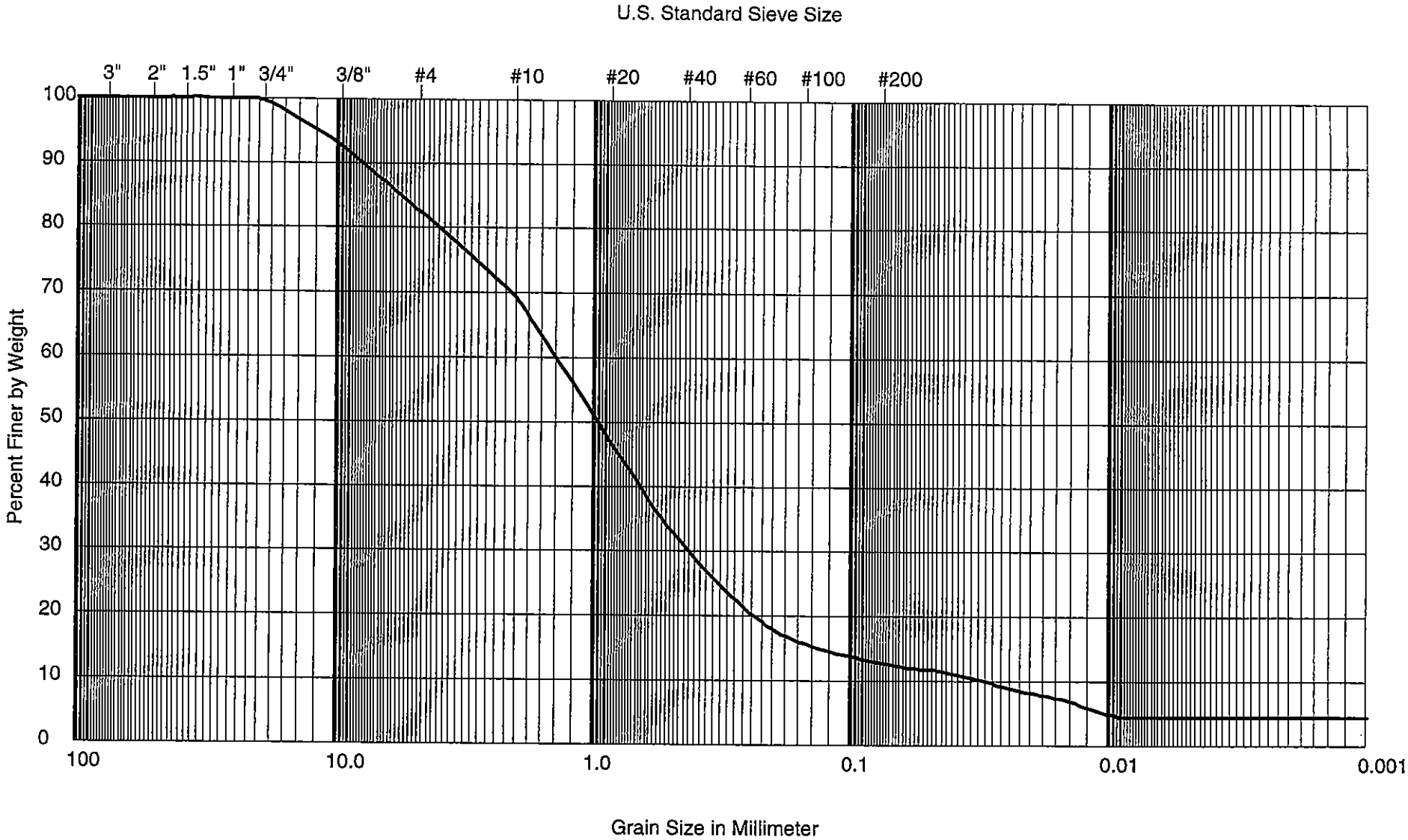
SwRI Sample ID: 170987
Work Order: 21294
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01953
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01952

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	92.8	92.8	92.8	0.0
#4 (4.75 mm)	82.4	82.4	82.4	0.1
#10 (2.00 mm)	69.5	69.7	69.6	0.2



SwRI Sample ID: 170987
Work Order: 21294
Project: 03159.12.00X

Customer: METCALF EDDY
Client Sample ID: D01953
Sample Matrix: SEDIMENT

010038

Southwest Research Institute
Grain Size Report

010039

SwRI Sample ID:	170987Z	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21294	Client Sample ID:	D01953	SDG:	D01952
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 230.10

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	16.50	7.2	92.8
#4	24.44	17.8	82.2
#10	28.17	30.0	70.0

Date Analyzed: 12/12/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.04

Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	17.01	54.73	123.84	53.8	46.2
#40	12.31	94.33	163.44	71.0	29.0
#60	6.09	113.92	183.03	79.5	20.5
#100	3.59	125.47	194.58	84.6	15.4
#200	1.87	131.49	200.60	87.2	12.8

Date Analyzed: 12/14/2001

Specific Gravity: 2.59 Hydrometer ID: 152-H-007

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	13	5	8	14.2	0.0370	11.320
20	5	11	5	6	14.5	0.0237	8.490
20	15	10	5	5	14.7	0.0137	7.075
20	30	8	5	3	15.0	0.0098	4.245
20	60	8	5	3	15.0	0.0069	4.245
20	250	8	5	3	15.0	0.0034	4.245
20	1440	8	5	3	15.0	0.0014	4.245

Date Analyzed: 12/12/2001

Southwest Research Institute
Grain Size Report

010040

SwRI Sample ID:	170987ZD	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21294	Client Sample ID:	D01953	SDG:	D01952
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 230.10

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	16.50	7.2	92.8
#4	24.40	17.8	82.2
#10	28.00	29.9	70.1

Date Analyzed: 12/12/01

Southwest Research Institute
Grain Size RPD Report

010041

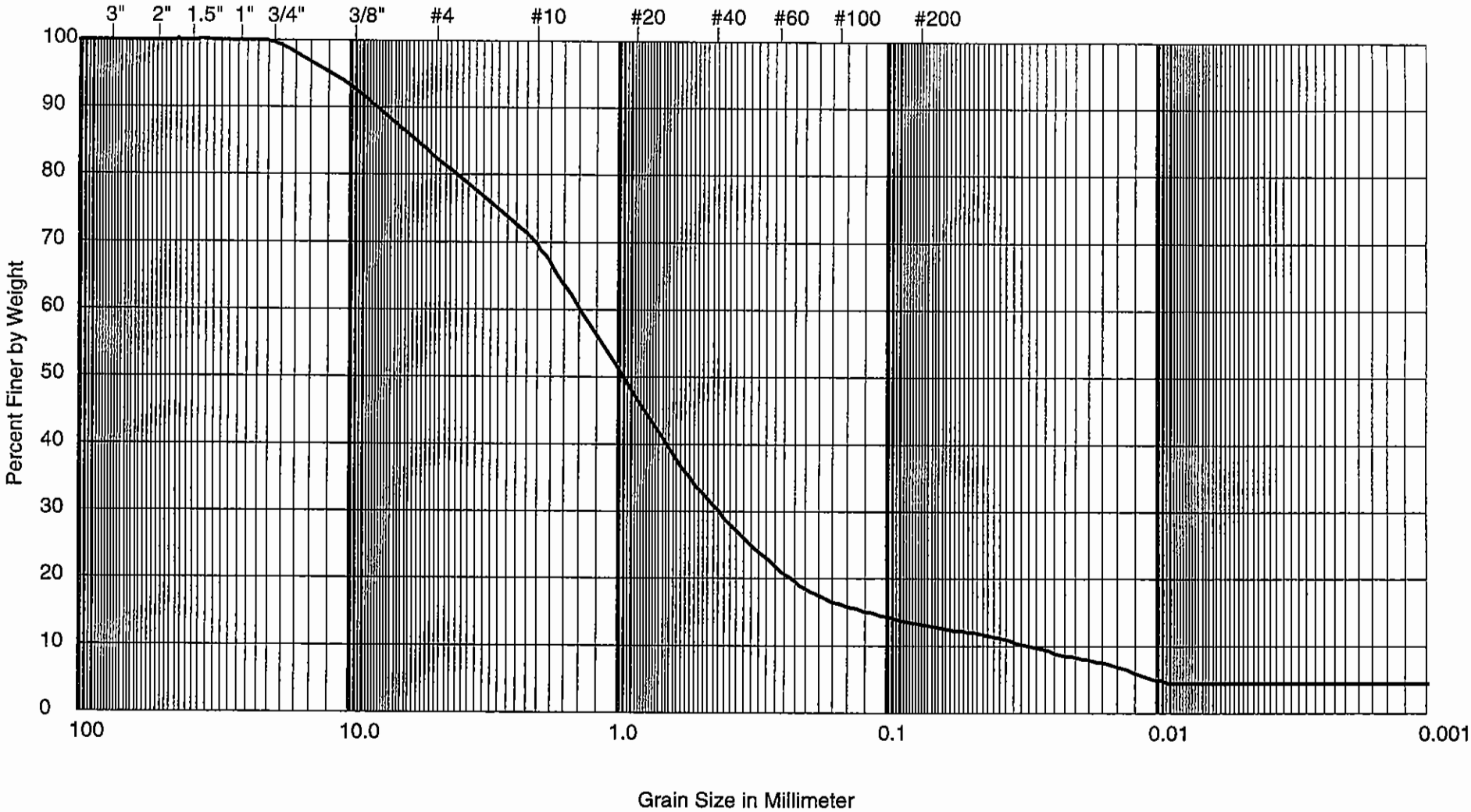
SwRI Sample ID: 170987Z
Work Order: 21294
Project: 03159.12.00X

Client: METCALF & EDDY
Client Sample ID: D01953
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01952

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	92.8	92.8	92.8	0
#4 (4.75 mm)	82.2	82.2	82.2	0.0
#10 (2.00 mm)	70.0	70.1	70.0	0.1



SwRI Sample ID: 170987Z

Work Order: 21294

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01953

Sample Matrix: SEDIMENT

010042

Southwest Research Institute
Grain Size Duplicate Report

010043

SwRI Sample ID: 170987
Work Order: 21294
Project: 03159.12.006

Client: METCALF & EDDY
Client Sample ID: D01953
Sample Matrix: SEDIMENT

Case: DAS-0171M
SDG: D01952

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	%RPD
3"	100	100	0
2"	100	100	0
1 1/2"	100	100	0
1"	100	100	0
3/4"	100	100	0.00
3/8"	92.8	92.8	0.00
#4	82.4	82.2	0.24
#10	69.5	70.0	0.72
#20	46.3	46.2	0.22
#40	29.0	29.0	0.00
#60	19.8	20.5	3.47
#100	15.0	15.4	2.63
#200	12.3	12.8	3.98

Hyrometer Analysis

Reading Time, min	% Finer	% Finer	%RPD
2	11.282	11.320	0.34
5	8.462	8.490	0.33
15	7.051	7.075	0.34
30	4.231	4.245	0.33
60	4.231	4.245	0.33
250	4.231	4.245	0.33
1440	4.231	4.245	0.33

Southwest Research Institute

010044

Grain Size Report

SwRI Sample ID:	170988	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21294	Client Sample ID:	D01954	SDG:	D01952
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 236.72

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	15.83	6.7	93.3
3/8"	17.59	14.1	85.9
#4	25.35	24.8	75.2
#10	32.38	38.5	61.5

Date Analyzed: 12/12/2001

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.03					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	19.48	56.68	147.83	62.4	37.6
#40	13.25	95.23	186.38	78.7	21.3
#60	5.68	111.76	202.91	85.7	14.3
#100	2.68	119.56	210.71	89.0	11.0
#200	1.39	123.60	214.75	90.7	9.3

Date Analyzed: 12/14/2001

Specific Gravity: 2.63				Hydrometer ID: 152-H-008			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	12	5	7	14.3	0.0367	8.638
20	5	11	5	6	14.5	0.0234	7.404
20	15	8	5	3	15.0	0.0137	3.702
20	30	8	5	3	15.0	0.0097	3.702
20	60	8	5	3	15.0	0.0069	3.702
20	250	8	5	3	15.0	0.0034	3.702
20	1440	8	5	3	15.0	0.0014	3.702

Date Analyzed: 12/12/2001

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	170988D	Customer:	METCALF & EDDY	Case:	DAS 0171M
Work Order #:	21294	Client Sample ID:	D01954	SDG:	D01952
Project:	03159.12.00X	Sample Matrix:	SEDIMENT		

Sieve of +10

Total Sample Wt: 236.72

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	15.83	6.7	93.3
3/8"	17.59	14.1	85.9
#4	25.21	24.8	75.2
#10	32.01	38.3	61.7

Date Analyzed: 12/12/01

Southwest Research Institute
Grain Size RPD Report

SwRI Sample ID: 170988
Work Order: 21294
Project: 03159.12.00X

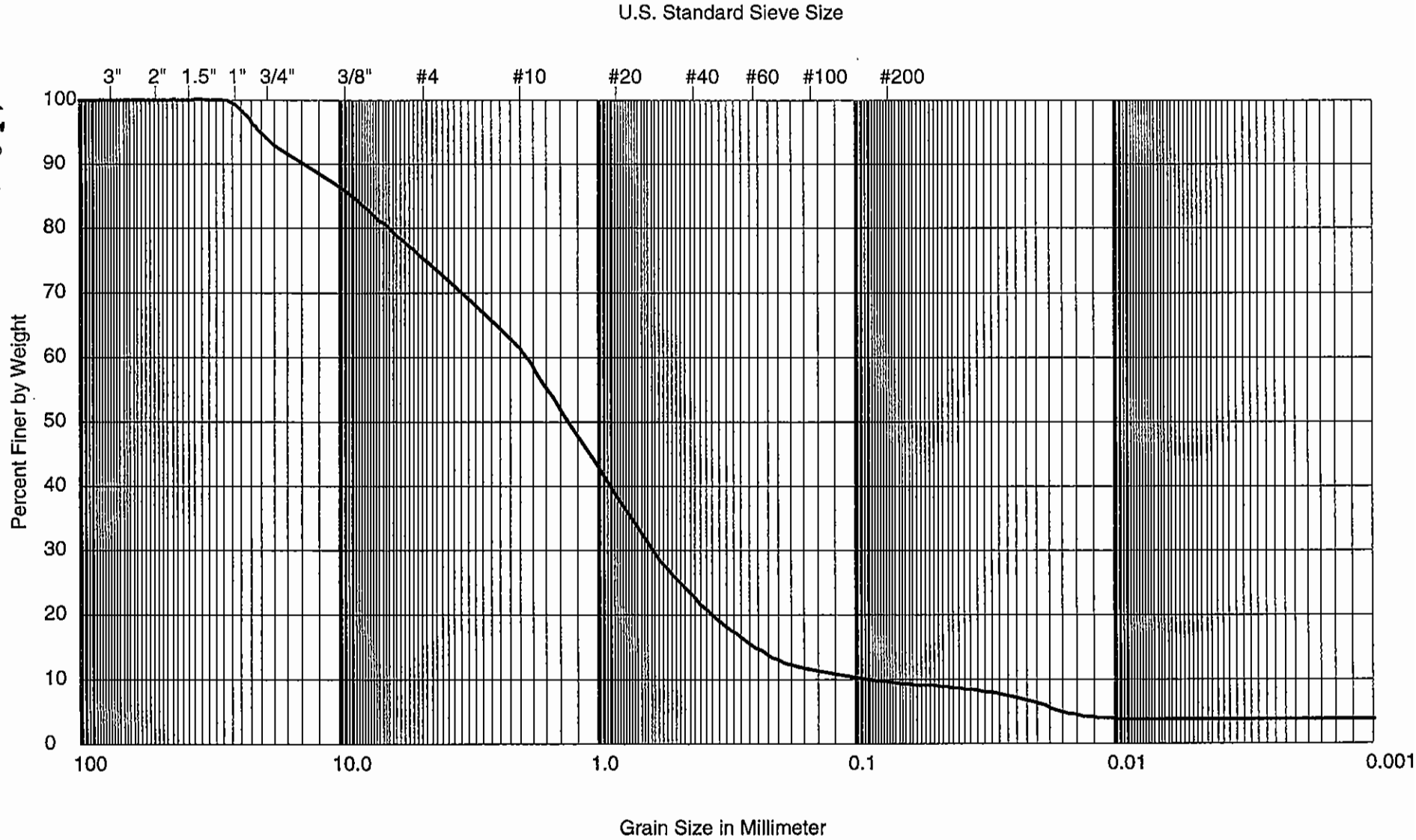
Client: METCALF & EDDY
Client Sample ID: D01954
Sample Matrix: SEDIMENT

Case: DAS 0171M
SDG: D01952

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	93.3	93.3	93.3	0
3/8" (9.5 mm)	85.9	85.9	85.9	0
#4 (4.75 mm)	75.2	75.2	75.2	0.1
#10 (2.00 mm)	61.5	61.7	61.6	0.3

010047



SwRI Sample ID: 170988

Work Order: 21294

Project: 03159.12.00X

Customer: METCALF EDDY

Client Sample ID: D01954

Sample Matrix: SEDIMENT

Southwest Research Institute
Grain Size Report

010446

SwRI Sample ID: 205612
Work Order #: 22433
Project: 03159.12.10X

Customer: METCALF & EDDY
Client Sample ID: D02526
Sample Matrix: Sediment

Case: DAS 0184M
SDG: D02526

Sieve of +10

Total Sample Wt: 144.01

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	3.24	2.2	97.8

Date Analyzed: 05/22/02

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.02

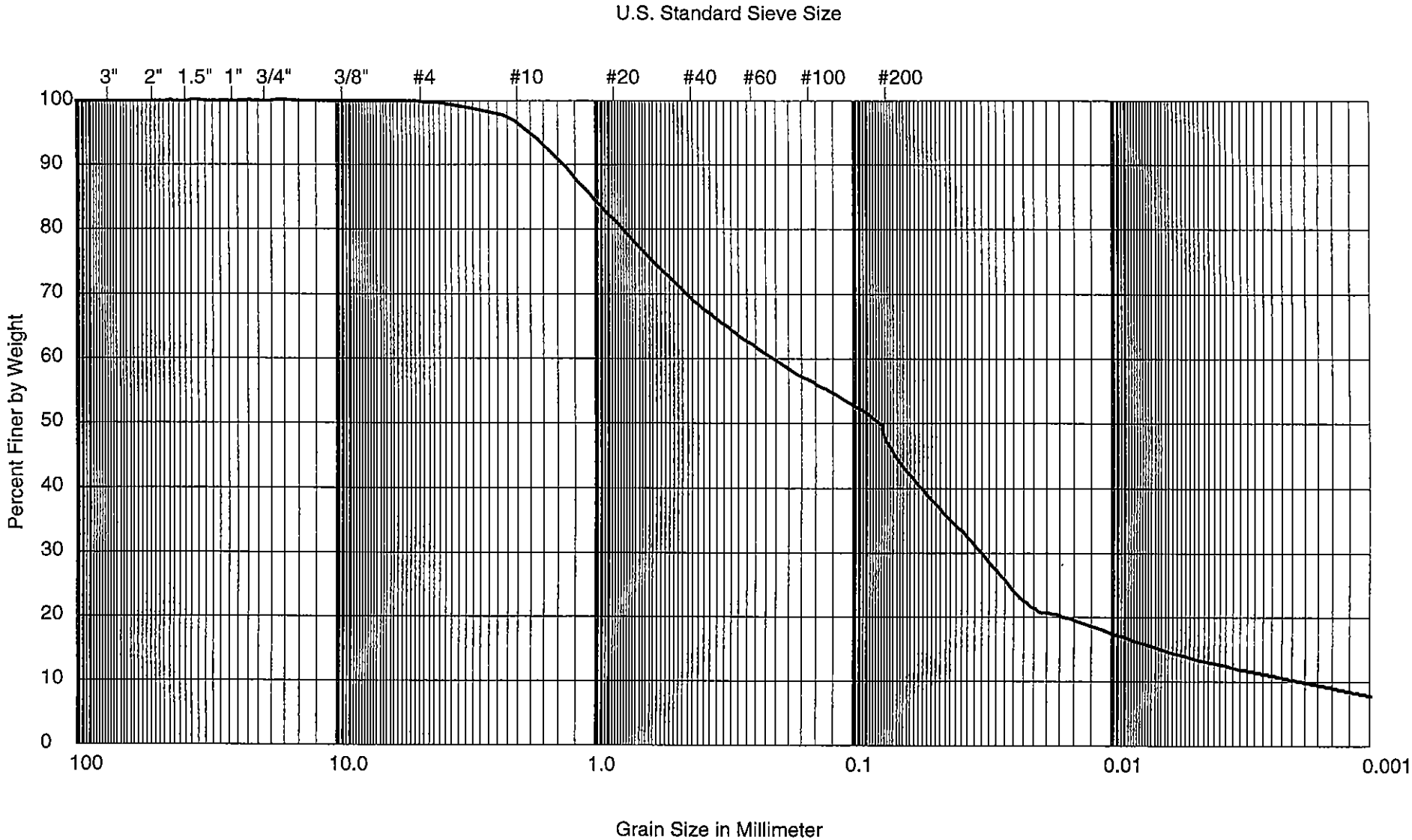
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	8.52	23.98	27.22	18.9	81.1
#40	6.22	41.48	44.72	31.1	68.9
#60	3.53	51.42	54.66	38.0	62.0
#100	2.85	59.44	62.68	43.5	56.5
#200	2.46	66.36	69.60	48.3	51.7

Date Analyzed: 05/27/02

Specific Gravity: 1.31 Hydrometer ID: 152-H-001

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	21	5	16	12.9	0.0799	47.089
20	5	18	5	13	13.3	0.0513	38.260
20	15	15	5	10	13.8	0.0302	29.431
20	30	12	5	7	14.3	0.0217	20.601
20	60	12	5	7	14.3	0.0154	20.601
20	250	10	5	5	14.7	0.0076	14.715
20	1440	9	5	4	14.8	0.0032	11.772

Date Analyzed: 05/23/02



SwRI Sample ID: 205612

Work Order: 22433

Project: 03159.12.10X

Customer: METCALF EDDY

Client Sample ID: D02526

Sample Matrix: Sediment

010447

Southwest Research Institute
Grain Size Report

010448

SwRI Sample ID: 205612D
Work Order #: 22433
Project: 03159.12.10X

Customer: METCALF & EDDY
Client Sample ID: D02526
Sample Matrix: Sediment

Case: DAS 0184M
SDG: D02526

Sieve of +10

Total Sample Wt: 144.01

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	3.23	2.2	97.8

Date Analyzed: 05/22/2002

Southwest Research Institute
Grain Size RPD Report

SwRI Sample ID: 205612D
Work Order: 22433
Project: 03159.12.10X

Client: METCALF & EDDY
Client Sample ID: D02526
Sample Matrix: Sediment

Case: DAS 0184M
SDG: D02526

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	100.0	100.0	100.0	0
#10 (2.00 mm)	97.8	97.8	97.8	0.0

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	205612Z	Customer:	METCALF & EDDY	Case:	DAS 0184M
Work Order #:	22433	Client Sample ID:	D02526	SDG:	D02526
Project:	03159.12.10X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 142.10

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	3.18	2.2	97.8

Date Analyzed: 05/22/02

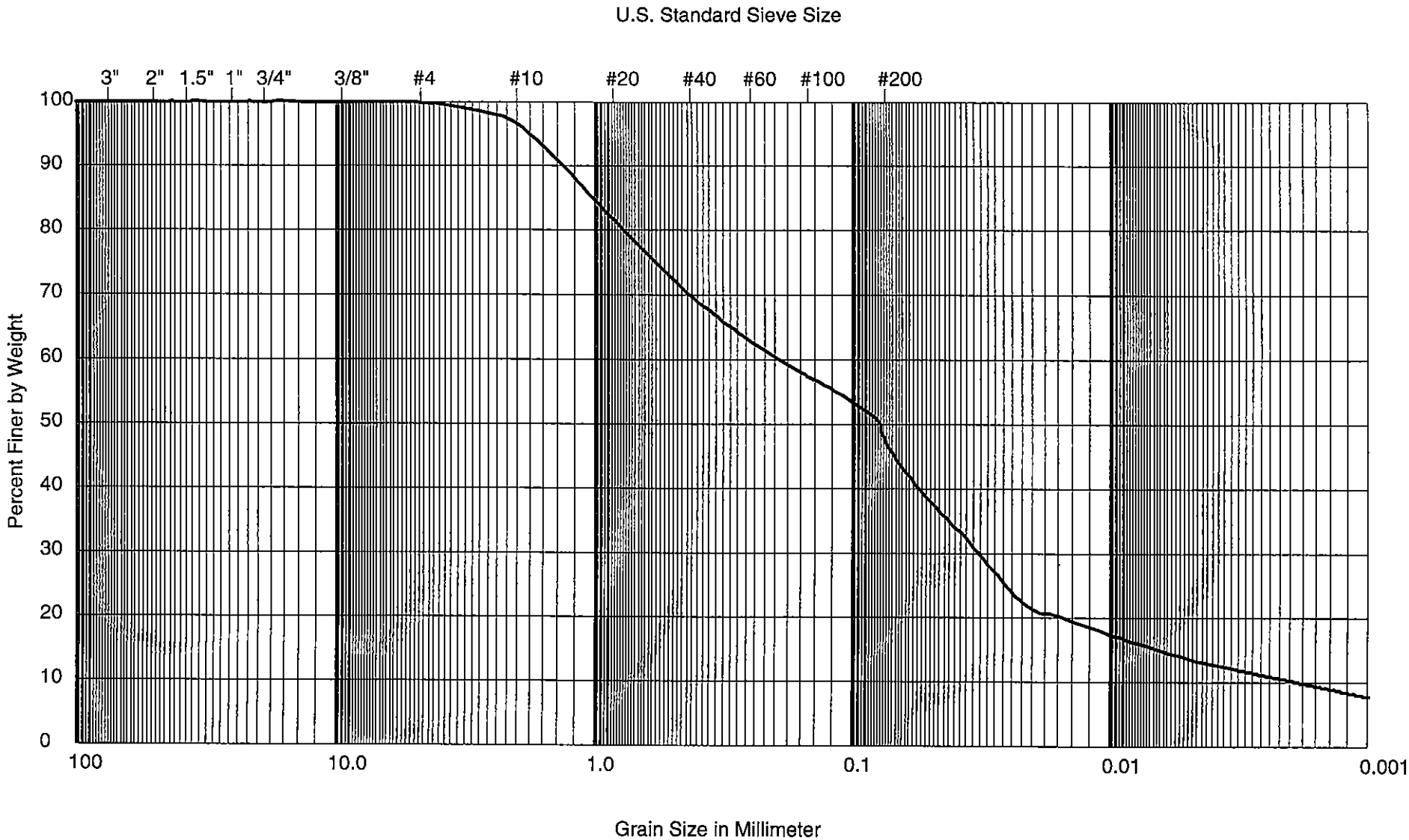
Sieve of -20/+200

Weight of Materials used in Hydrometer:50.07					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	8.41	23.33	26.51	18.7	81.3
#40	6.10	40.26	43.44	30.6	69.4
#60	3.45	49.83	53.01	37.3	62.7
#100	2.79	57.57	60.75	42.8	57.2
#200	2.41	64.26	67.44	47.5	52.5

Date Analyzed: 05/27/02

Specific Gravity: 1.30				Hydrometer ID: 152-H-002			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	22	6	16	12.7	0.0806	47.173
20	5	19	6	13	13.2	0.0520	38.328
20	15	16	6	10	13.7	0.0306	29.483
20	30	13	6	7	14.2	0.0220	20.638
20	60	13	6	7	14.2	0.0156	20.638
20	250	11	6	5	14.5	0.0077	14.741
20	1440	10	6	4	14.7	0.0032	11.793

Date Analyzed: 05/23/02



SwRI Sample ID: 205612Z

Work Order: 22433

Project: 03159.12.10X

Customer: METCALF EDDY

Client Sample ID: D02526

Sample Matrix: Sediment

010451

Southwest Research Institute
Grain Size Report

010452

SwRI Sample ID:	205612ZD	Customer:	METCALF & EDDY	Case:	DAS 0184M
Work Order #:	22433	Client Sample ID:	D02526	SDG:	D02526
Project:	03159.12.10X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 142.10

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	3.17	2.2	97.8

Date Analyzed: 05/22/02

Southwest Research Institute
Grain Size RPD Report

010453

SwRI Sample ID: 205612ZD
Work Order: 22433
Project: 03159.12.10X

Client: METCALF & EDDY
Client Sample ID: D02526
Sample Matrix: Sediment

Case: DAS 0184M
SDG: D02526

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	100.0	100.0	100.0	0
#10 (2.00 mm)	97.8	97.8	97.8	0.0

Southwest Research Institute
Grain Size Duplicate Report

010454

SwRI Sample ID: 205612
Work Order: 22433
Project: 03159.12.10x

Client: METCALF & EDDY
Client Sample ID: D02526
Sample Matrix: SEDIMENT

Case: DAS-0184M
SDG: D002526

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	%RPD
3"	100	100	0
2"	100	100	0
1 1/2"	100	100	0
1"	100	100	0
3/4"	100	100	0
3/8"	100	100	0
#4	100	100	0
#10	97.8	97.8	0
#20	81.1	81.3	0.25
#40	68.9	69.4	0.72
#60	62	62.7	1.12
#100	56.5	57.2	1.23
#200	51.7	52.5	1.54

Hyrometer Analysis

Reading Time, min	% Finer	% Finer	%RPD
2	47.089	47.173	0.18
5	38.26	38.328	0.18
15	29.431	29.483	0.18
30	20.601	20.638	0.18
60	20.601	20.638	0.18
250	14.715	14.741	0.18
1440	11.772	11.793	0.18

010455

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	205613	Customer:	METCALF & EDDY	Case:	DAS 0184M
Work Order #:	22433	Client Sample ID:	D02527	SDG:	D02526
Project:	03159.12.10X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 146.35

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	3.02	2.1	97.9

Date Analyzed: 05/22/02

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.09

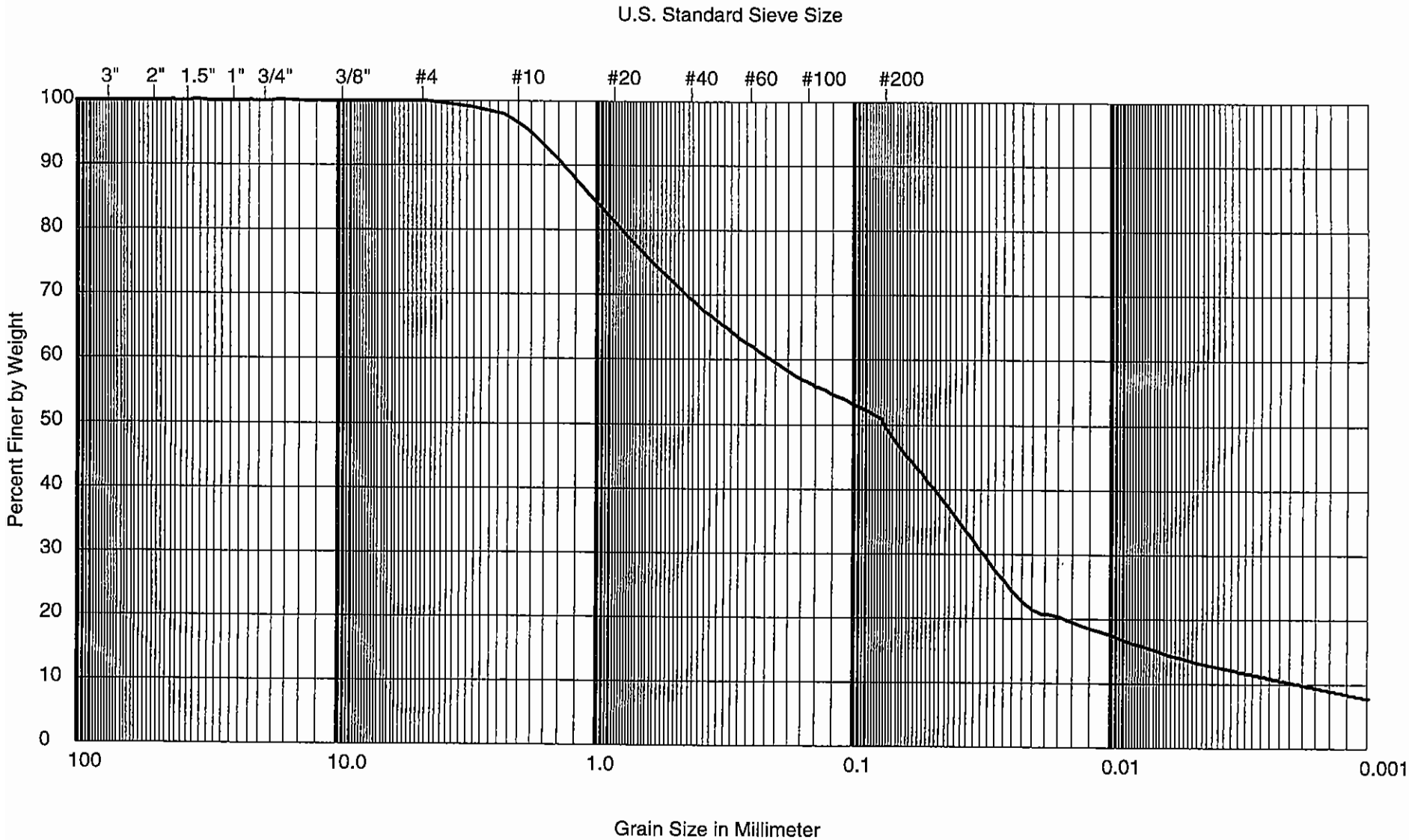
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	8.72	24.95	27.97	19.1	80.9
#40	6.22	42.75	45.77	31.3	68.7
#60	3.53	52.85	55.87	38.2	61.8
#100	2.85	61.01	64.03	43.7	56.3
#200	2.46	68.05	71.07	48.6	51.4

Date Analyzed: 05/27/02

Specific Gravity: 1.30 Hydrometer ID: 152-H-004

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	24	7	17	12.4	0.0796	50.190
20	5	21	7	14	12.9	0.0514	41.333
20	15	17	7	10	13.5	0.0303	29.524
20	30	14	7	7	14.0	0.0218	20.667
20	60	14	7	7	14.0	0.0154	20.667
20	250	12	7	5	14.3	0.0076	14.762
20	1440	11	7	4	14.5	0.0032	11.809

Date Analyzed: 05/23/02



SwRI Sample ID: 205613

Work Order: 22433

Project: 03159.12.10X

Customer: METCALF EDDY

Client Sample ID: D02527

Sample Matrix: Sediment

010456

Southwest Research Institute
Grain Size Report

010457

SwRI Sample ID:	205613D	Customer:	METCALF & EDDY	Case:	DAS 0184M
Work Order #:	22433	Client Sample ID:	D02527	SDG:	D02526
Project:	03159.12.10X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 146.35

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	3.02	2.1	97.9

Date Analyzed: 05/22/02

Southwest Research Institute
Grain Size RPD Report

SwRI Sample ID: 205613D
Work Order: 22433
Project: 03159.12.10X

Client: METCALF & EDDY
Client Sample ID: D02527
Sample Matrix: Sediment

Case: DAS 0184M
SDG: D02526

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	100.0	100.0	100.0	0
#10 (2.00 mm)	97.9	97.9	97.9	0

Southwest Research Institute
Grain Size Report

010459

SwRI Sample ID: 205614
Work Order #: 22433
Project: 03159.12.10X

Customer: METCALF & EDDY
Client Sample ID: D02528
Sample Matrix: Sediment

Case: DAS 0184M
SDG: D02526

Sieve of +10

Total Sample Wt: 144.77

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	6.01	4.2	95.8

Date Analyzed: 05/22/02

Sieve of -20/+200

Weight of Materials used in Hydrometer:50.07

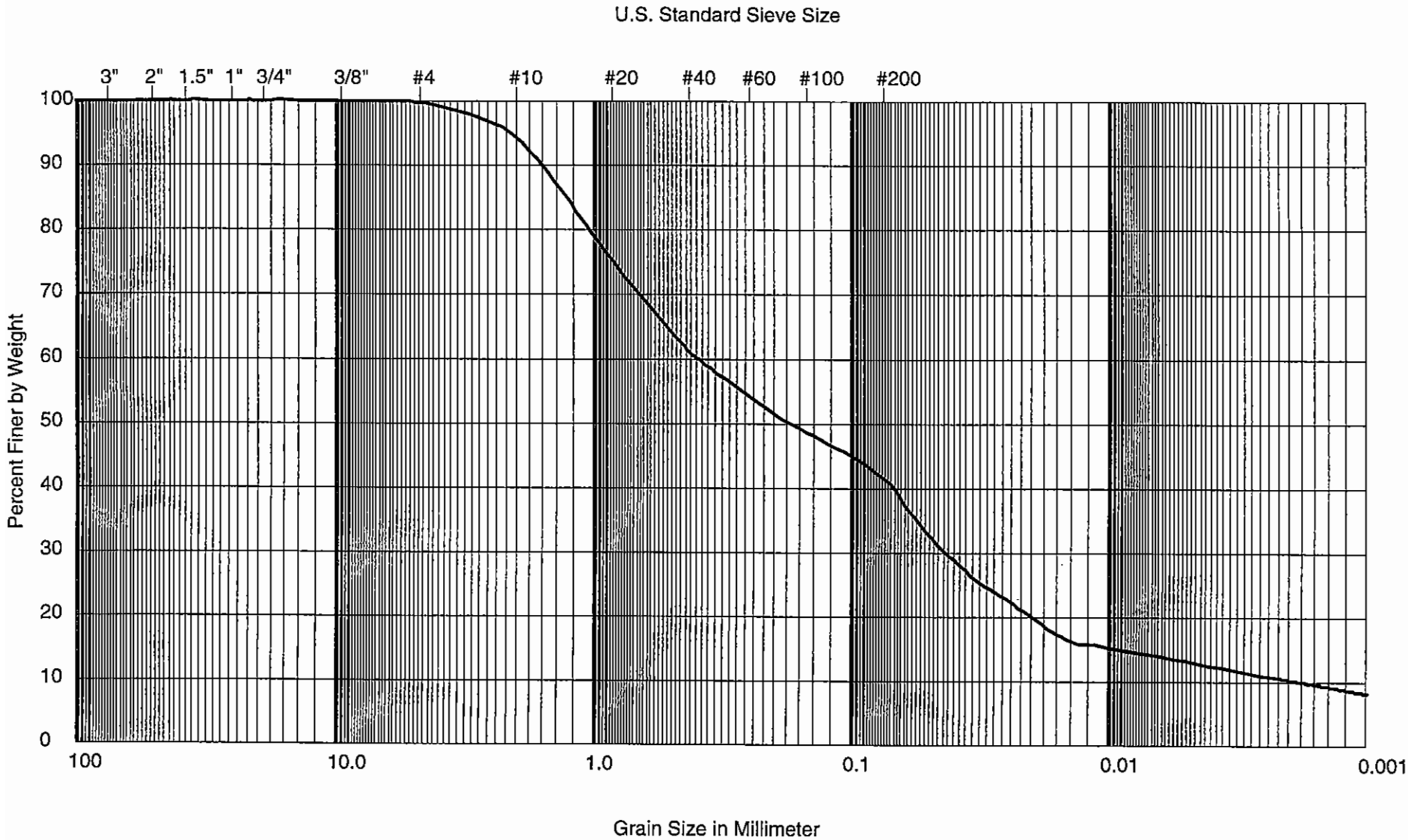
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	11.01	30.51	36.52	25.2	74.8
#40	7.30	50.74	56.75	39.2	60.8
#60	3.65	60.86	66.87	46.2	53.8
#100	2.88	68.84	74.85	51.7	48.3
#200	2.61	76.07	82.08	56.7	43.3

Date Analyzed: 05/27/02

Specific Gravity: 1.65 Hydrometer ID: 152-H-005

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	18	5	13	13.3	0.0560	34.094
20	5	15	5	10	13.8	0.0361	26.226
20	15	13	5	8	14.2	0.0211	20.981
20	30	11	5	6	14.5	0.0151	15.735
20	60	11	5	6	14.5	0.0107	15.735
20	250	10	5	5	14.7	0.0053	13.113
20	1440	9	5	4	14.8	0.0022	10.490

Date Analyzed: 05/23/02



SwRI Sample ID: 205614

Work Order: 22433

Project: 03159.12.10X

Customer: METCALF EDDY

Client Sample ID: D02528

Sample Matrix: Sediment

010460

Southwest Research Institute
Grain Size Report

010461

SwRI Sample ID:	205614D	Customer:	METCALF & EDDY	Case:	DAS 0184M
Work Order #:	22433	Client Sample ID:	D02528	SDG:	D02526
Project:	03159.12.10X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 144.77

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	6.00	4.1	95.9

Date Analyzed: 05/22/02

Southwest Research Institute
Grain Size RPD Report

010462

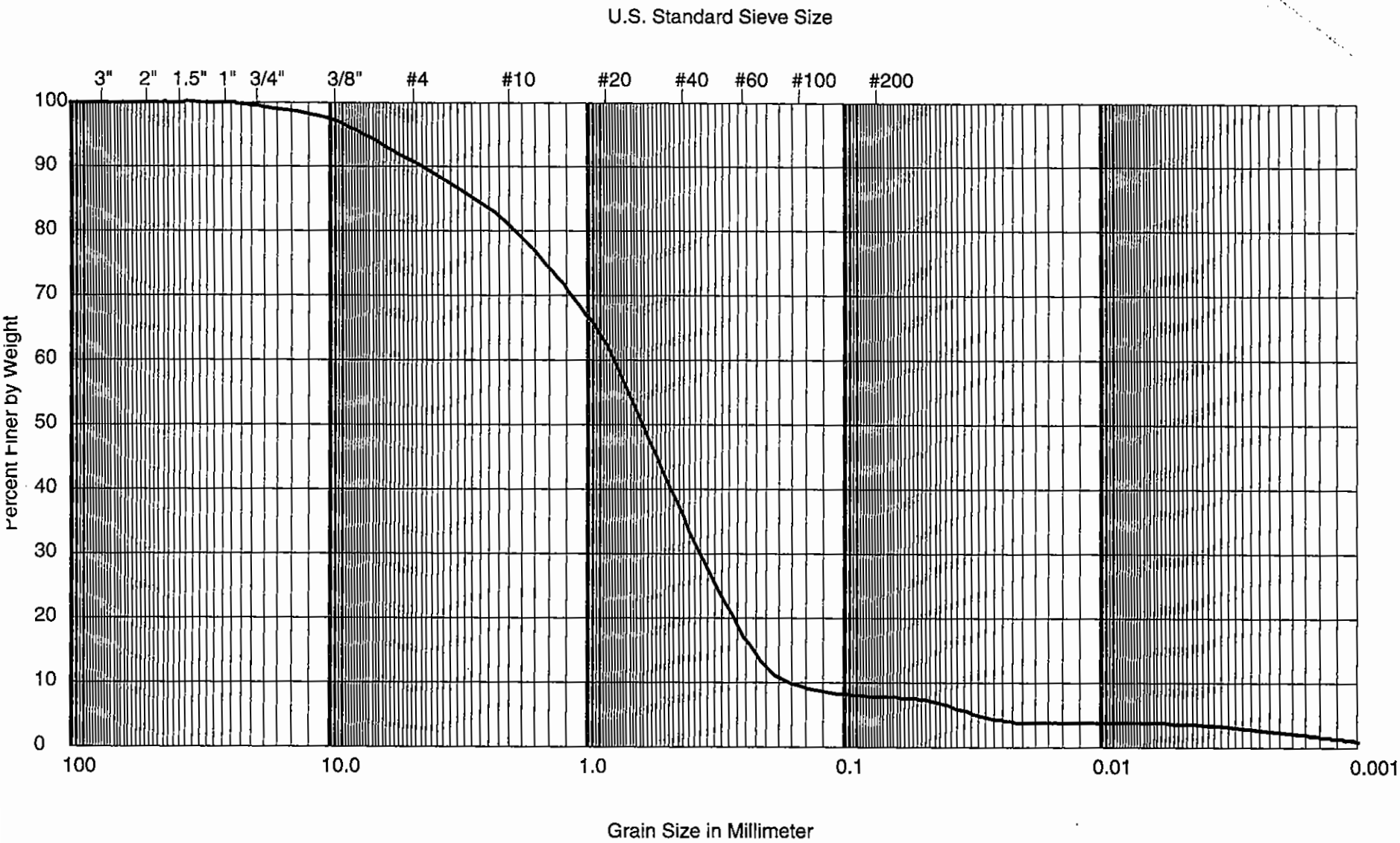
SwRI Sample ID: 205614D
Work Order: 22433
Project: 03159.12.10X

Client: METCALF & EDDY
Client Sample ID: D02528
Sample Matrix: Sediment

Case: DAS 0184M
SDG: D02526

Sieve Analysis

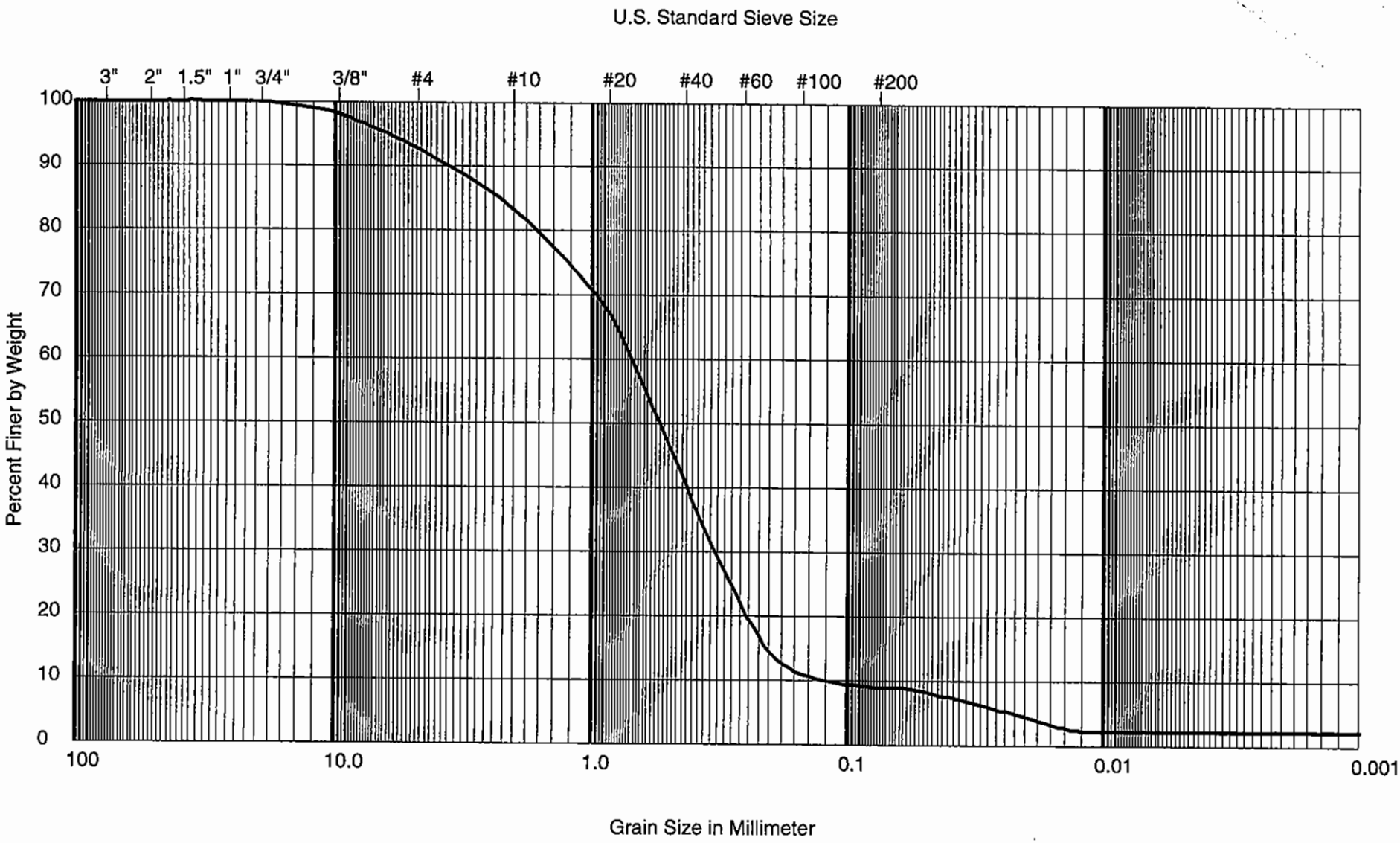
Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	100.0	100.0	100.0	0
#4 (4.75 mm)	100.0	100.0	100.0	0
#10 (2.00 mm)	95.8	95.9	95.9	0.0



SwRI Sample ID: 215662
Work Order: 23401
Project: 03159.12.20X

Customer: Metcalf Eddy
Client Sample ID: D03445
Sample Matrix: Sediment

010005



SwRI Sample ID: 215663

Work Order: 23401

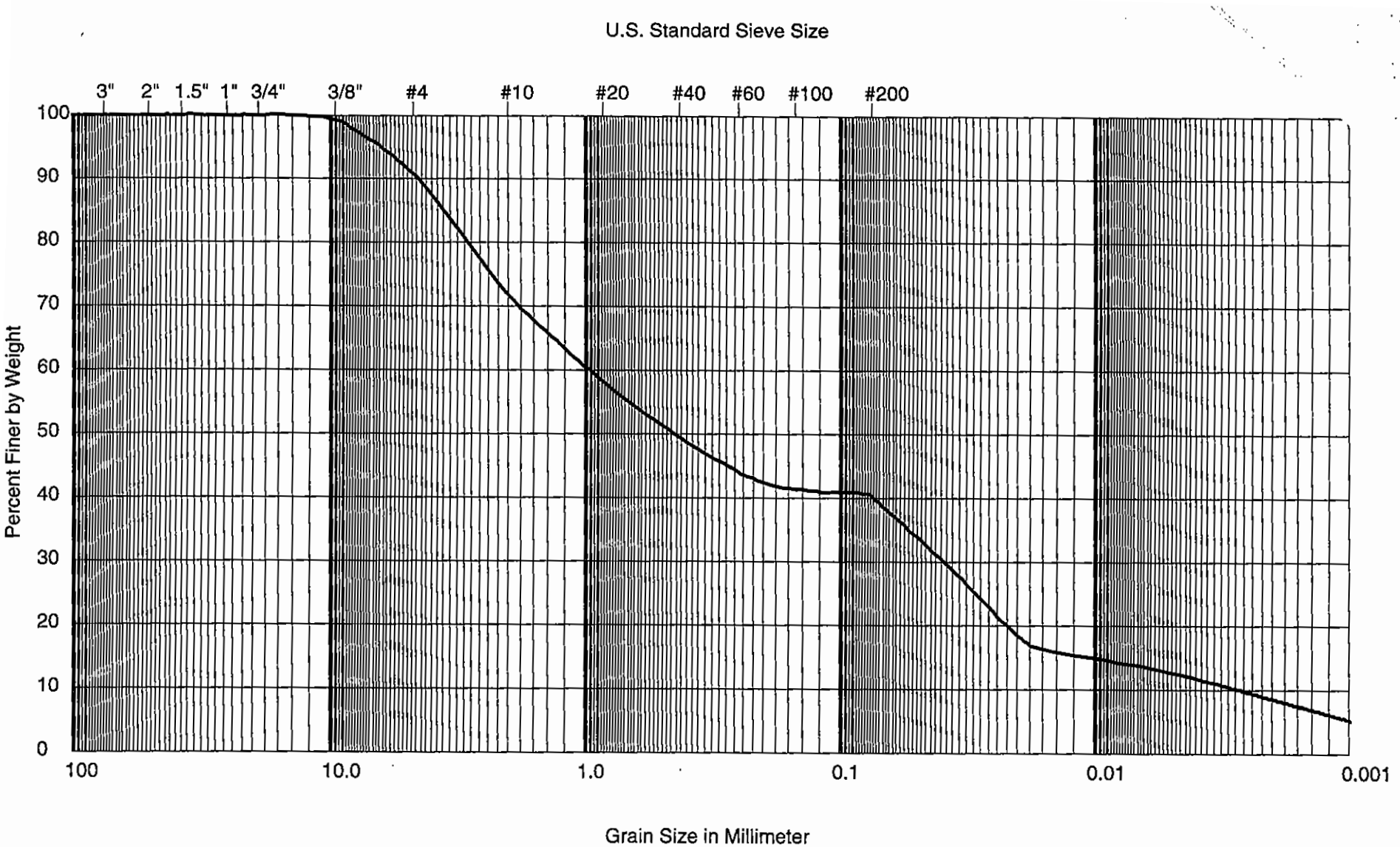
Project: 03159.12.20X

Customer: Metcalf Eddy

Client Sample ID: D03446

Sample Matrix: Sediment

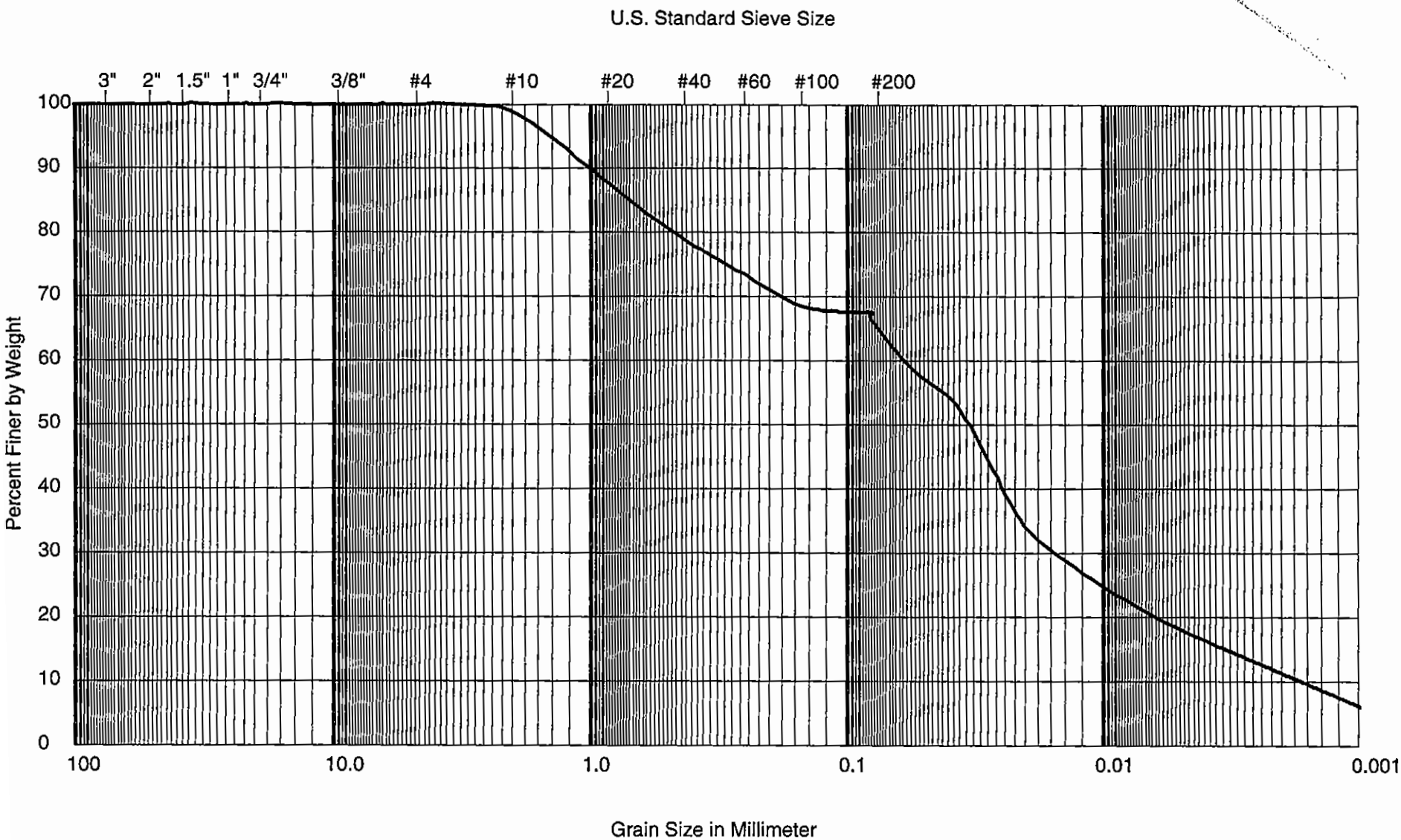
014009



SwRI Sample ID: 215664
Work Order: 23401
Project: 03159.12.20X

Customer: Metcalf Eddy
Client Sample ID: D03447
Sample Matrix: Sediment

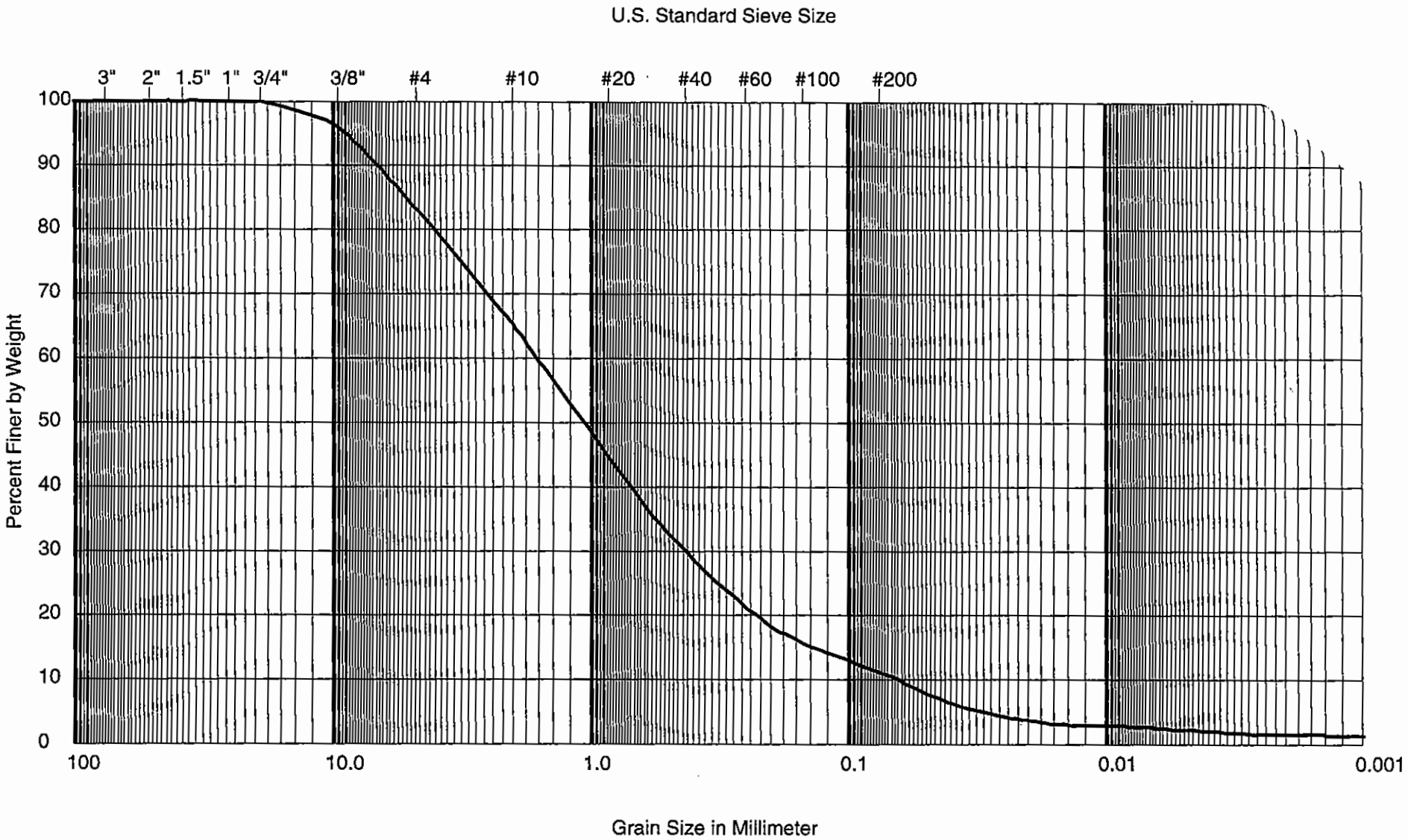
010013



SwRI Sample ID: 215665
Work Order: 23401
Project: 03159.12.20X

Customer: Metcalf Eddy
Client Sample ID: D03448
Sample Matrix: Sediment

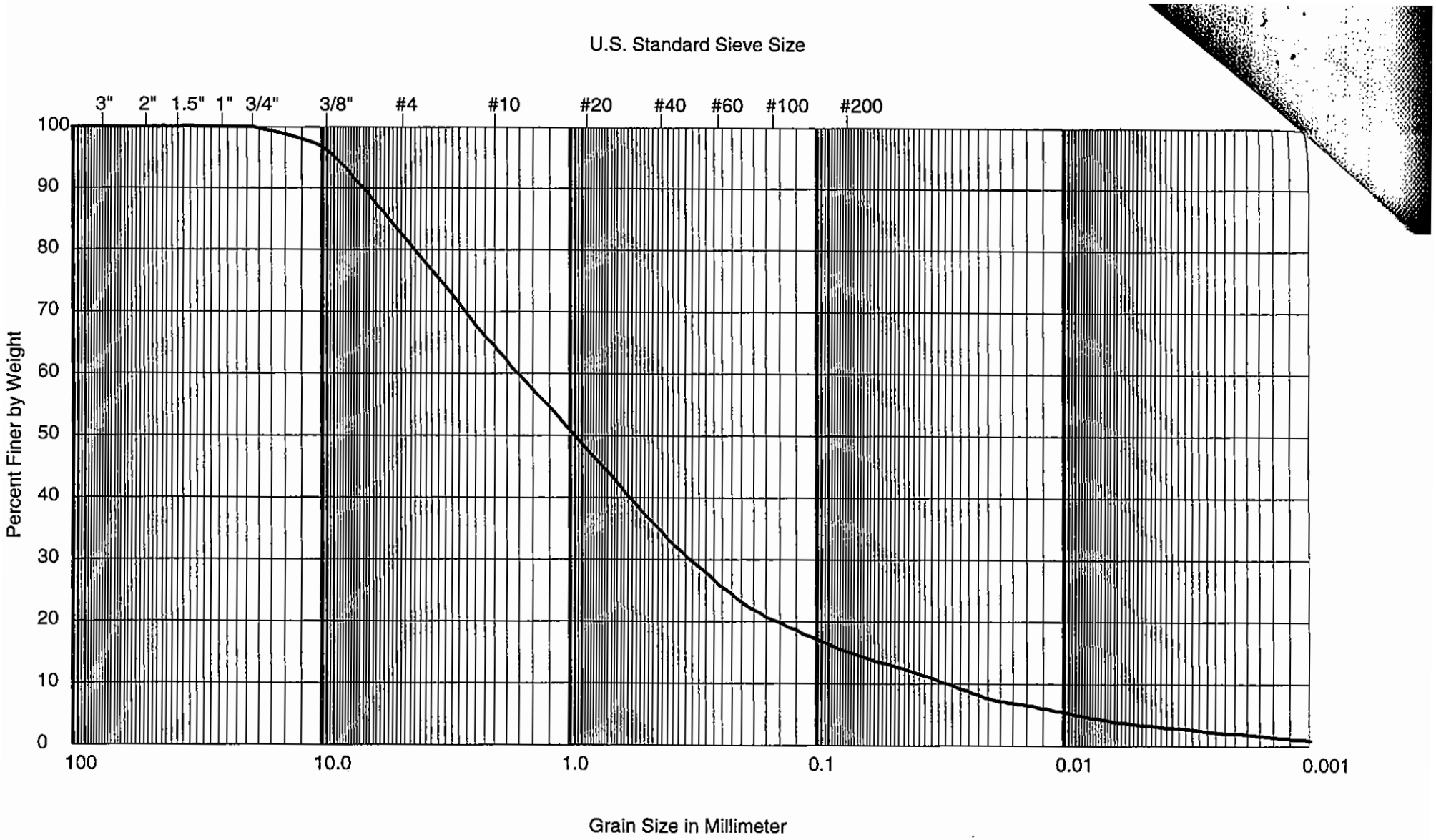
010022



SwRI Sample ID: 216649
Work Order: 23468
Project: 03159.12.20X

Customer: Metcalf Eddy
Client Sample ID: D03458
Sample Matrix: Soil

012856



SwRI Sample ID: 216650

Work Order: 23468

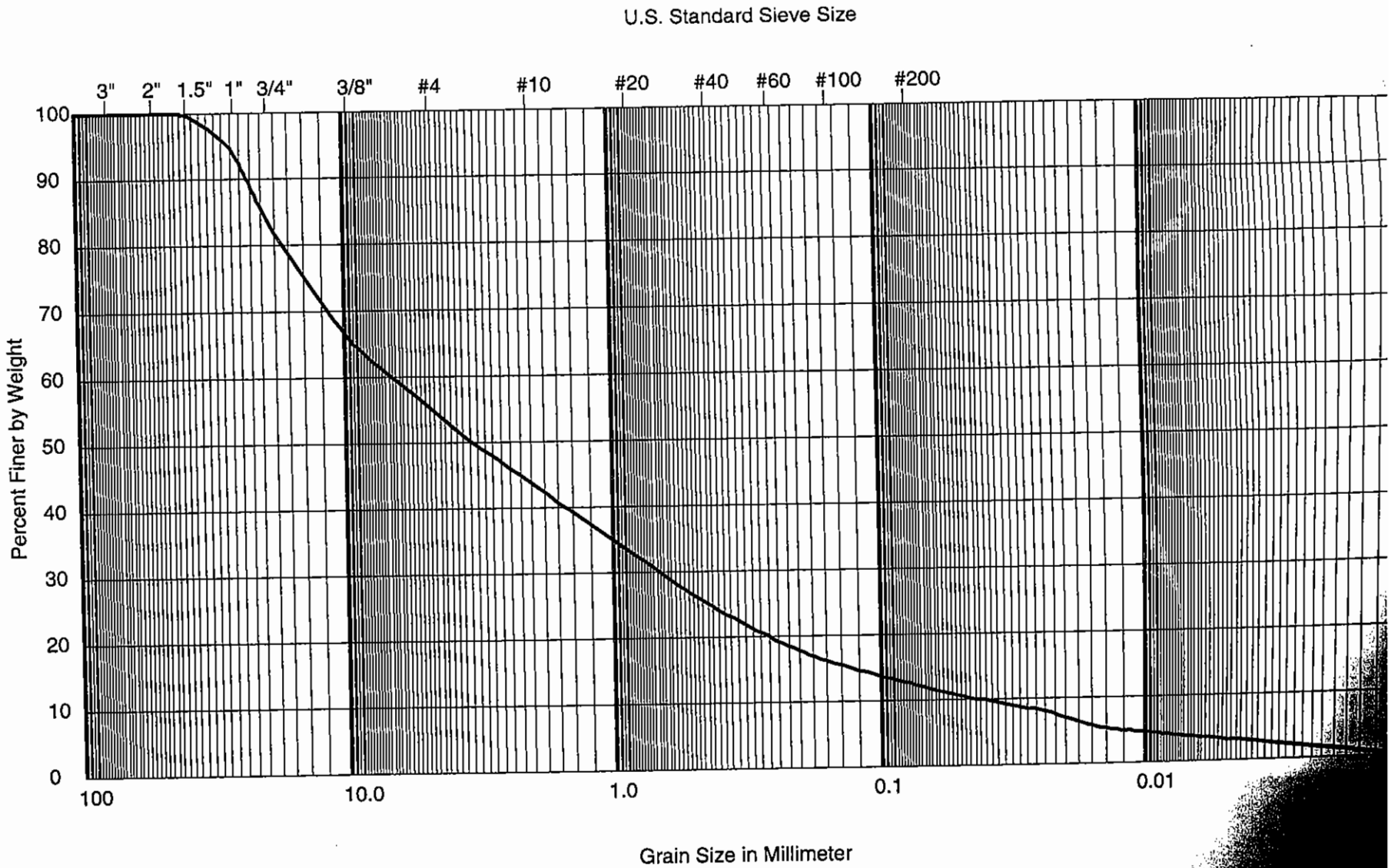
Project: 03159.12.20X

Customer: Metcalf Eddy

Client Sample ID: D03459

Sample Matrix: Soil

012860



SwRI Sample ID: 216653

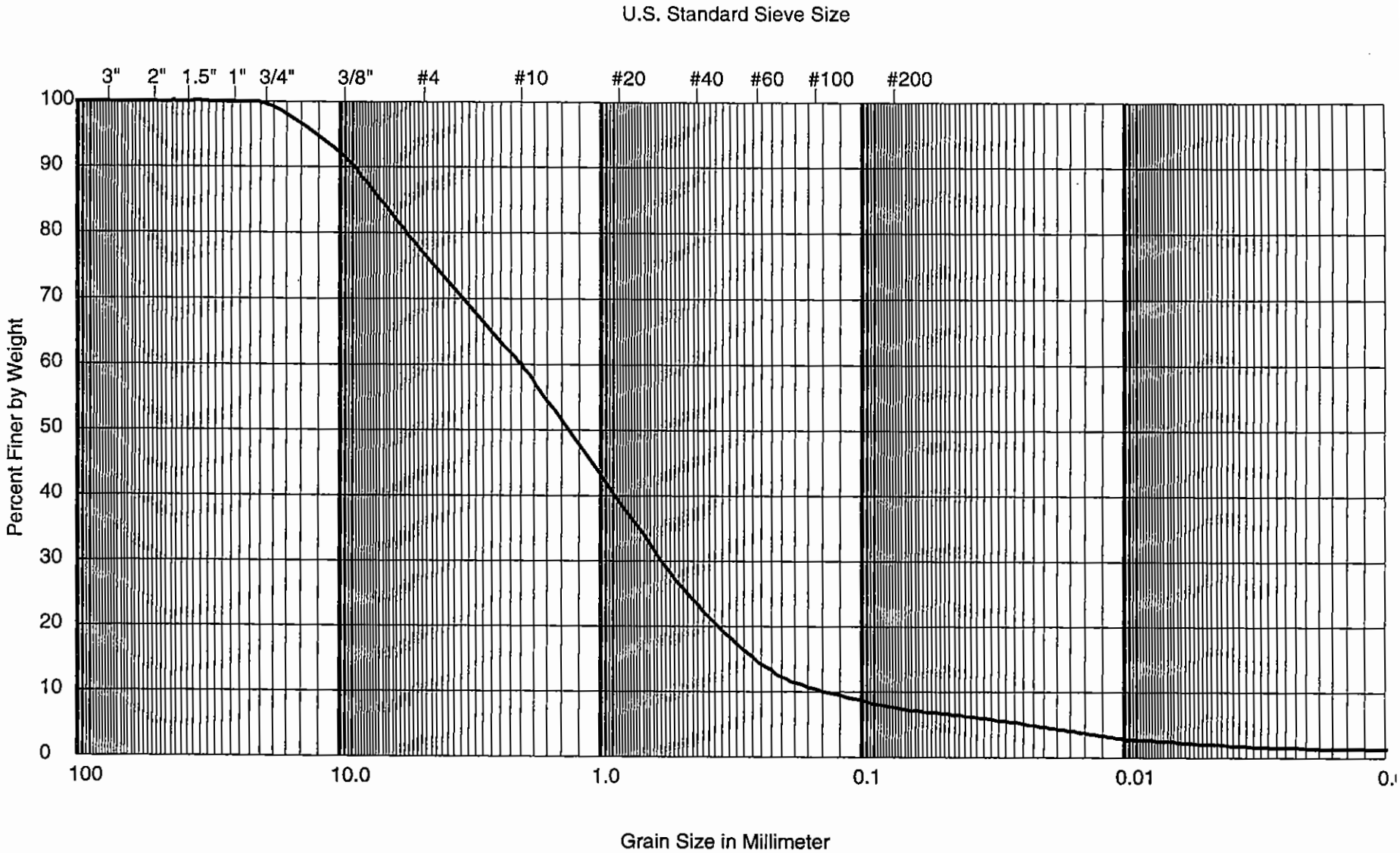
Work Order: 23468

Project: 03159.12.20X

Customer: Metcalf Eddy

Client Sample ID: D03462

Sample Matrix: Soil



SwRI Sample ID: 216654

Work Order: 23468

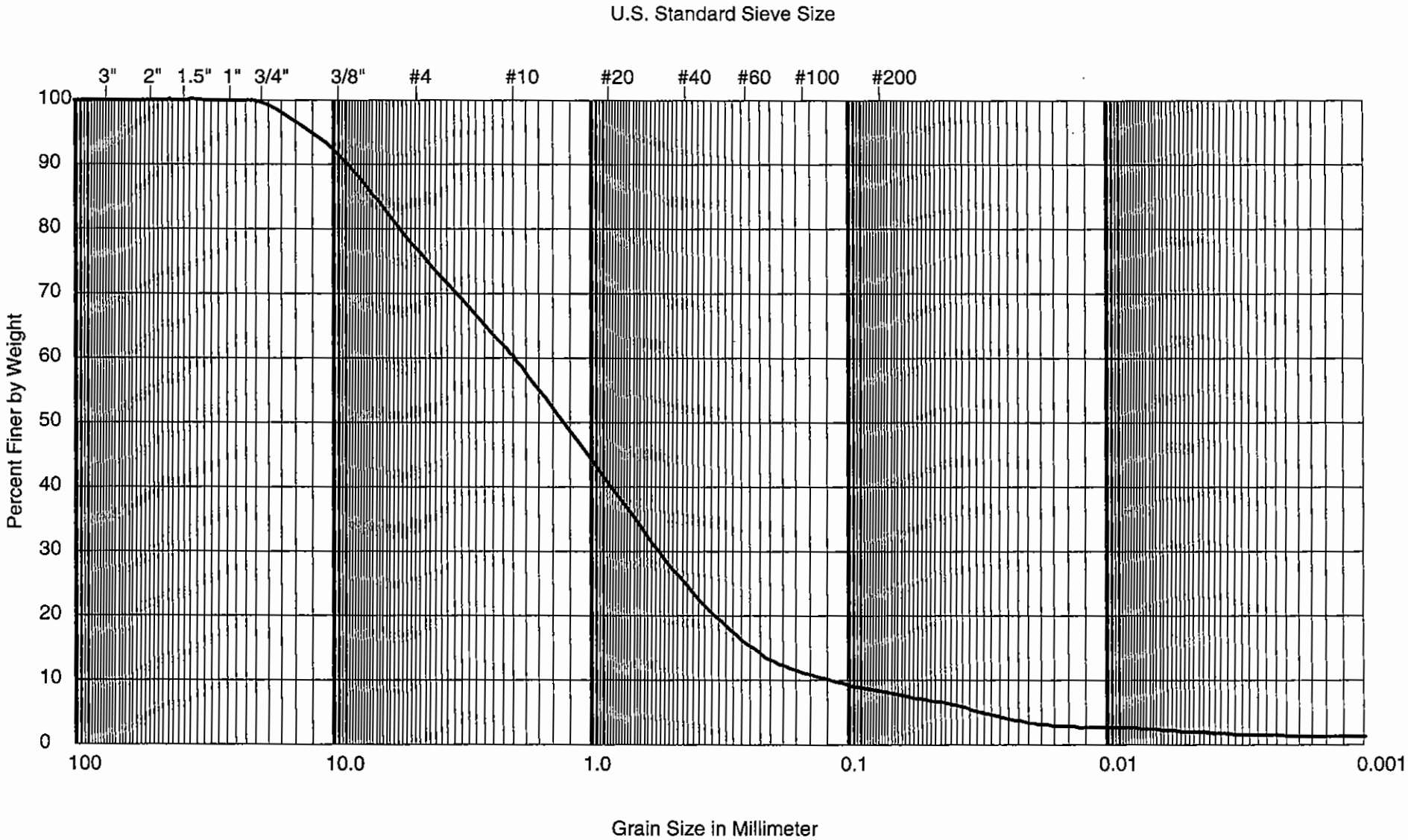
Project: 03159.12.20X

Customer: Metcalf Eddy

Client Sample ID: D03463

Sample Matrix: Soil

012872



SwRI Sample ID: 216654Z

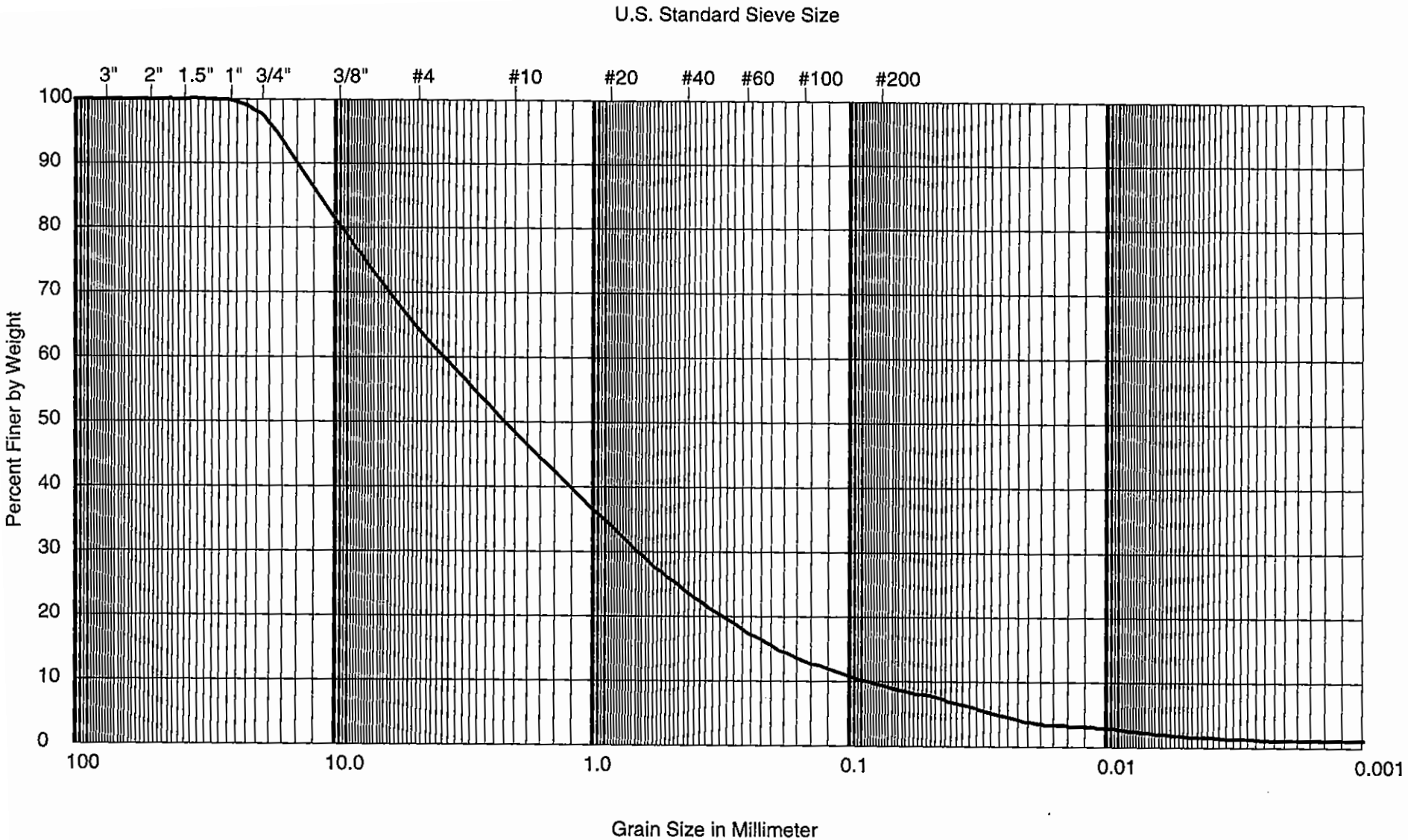
Work Order: 23468

Project: 03159.12.20X

Customer: Metcalf Eddy

Client Sample ID: D03463

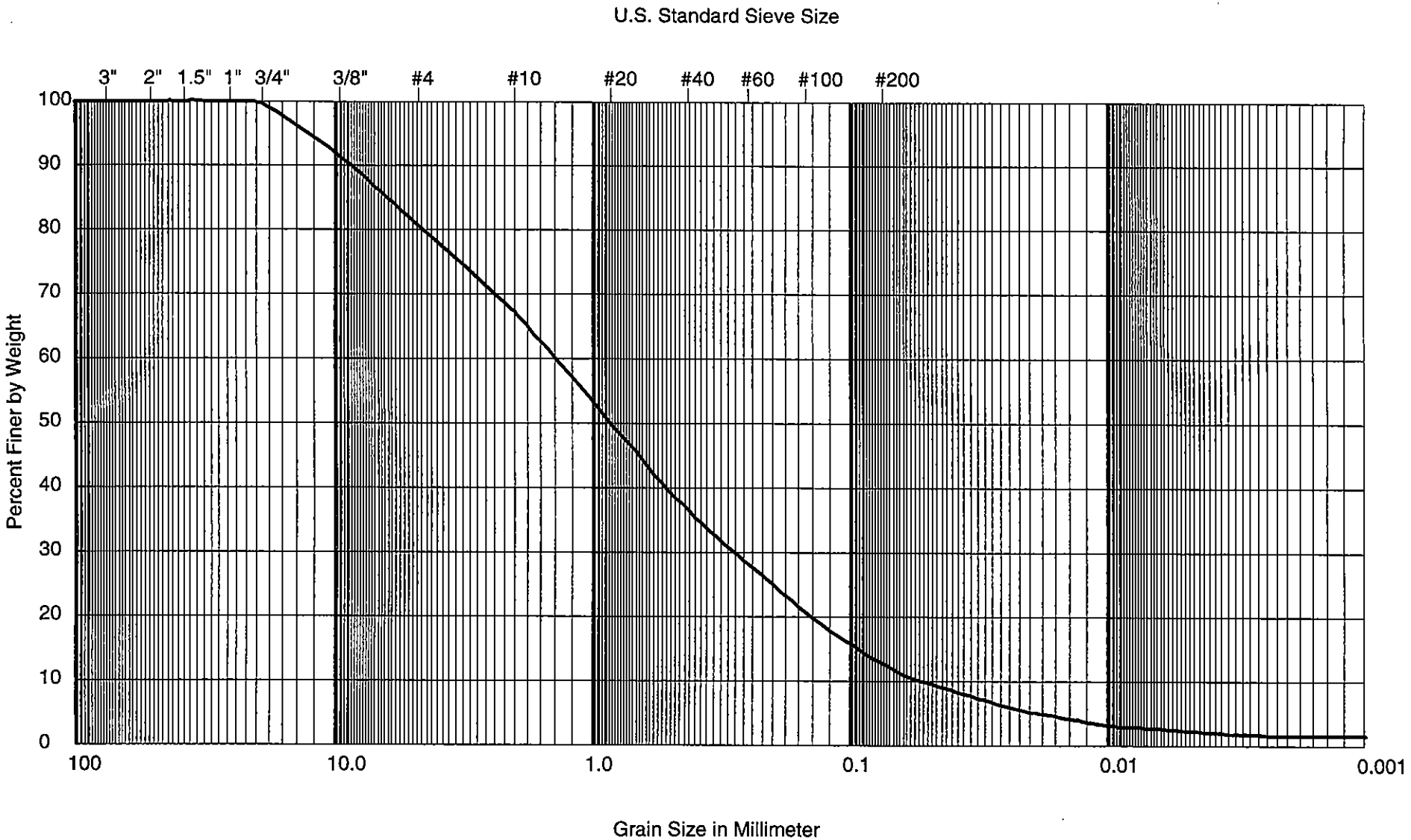
Sample Matrix: Soil



SwRI Sample ID: 216674
Work Order: 23468
Project: 03159.12.20X

Customer: Metcalf Eddy
Client Sample ID: D03480
Sample Matrix: Soil

012885



SwRI Sample ID: 216675

Work Order: 23468

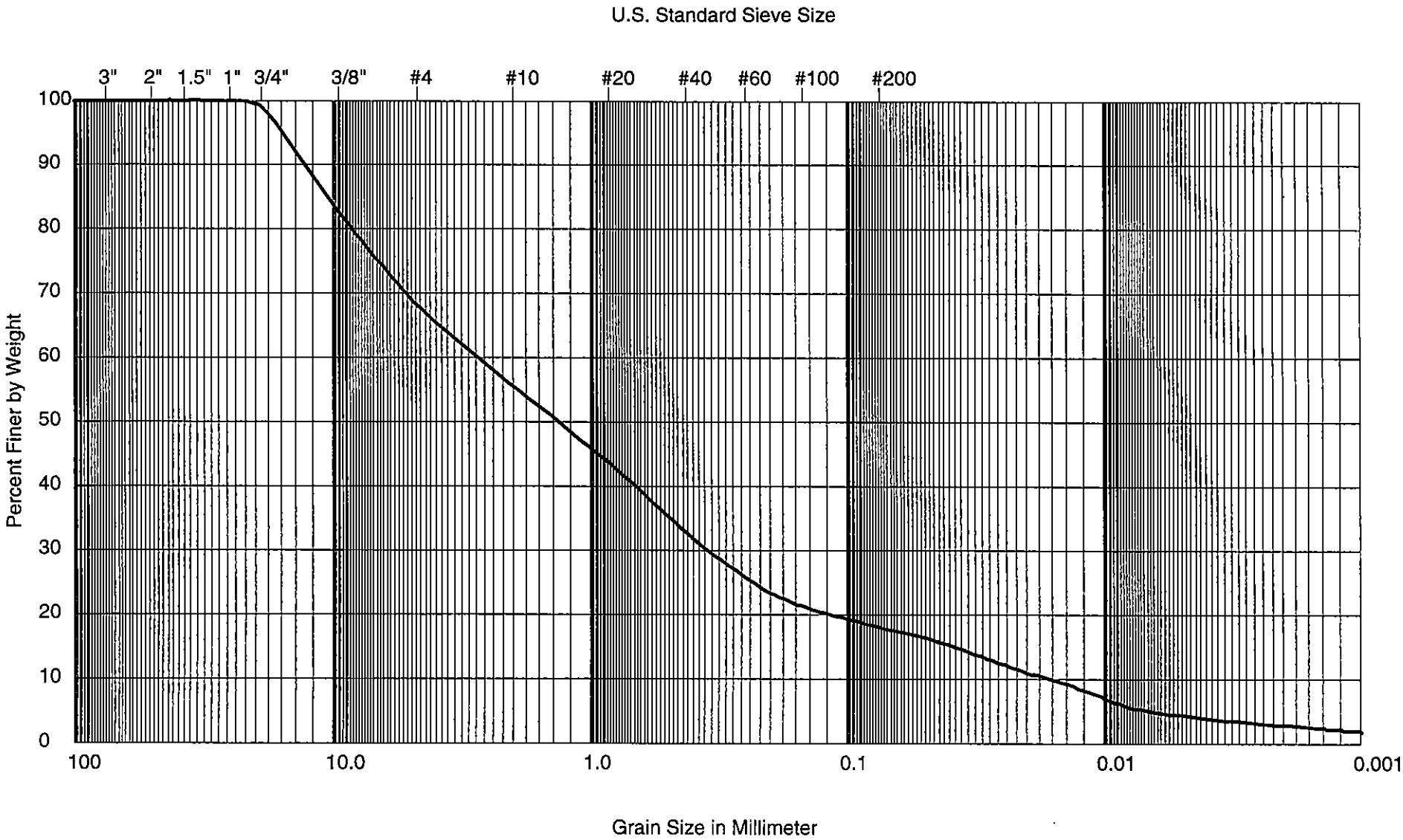
Project: 03159.12.20X

Customer: Metcalf Eddy

Client Sample ID: D03481

Sample Matrix: Soil

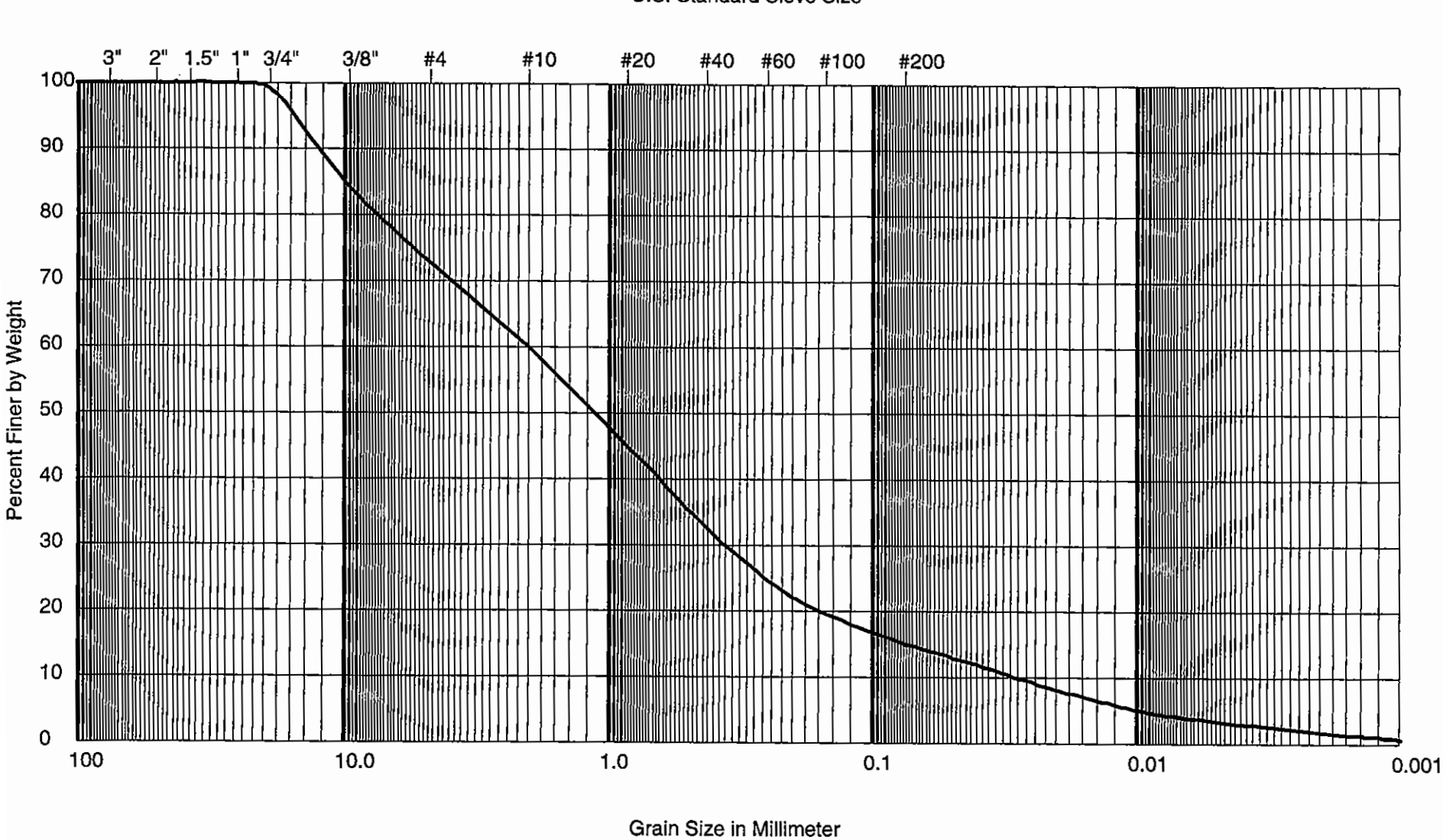
012889



SwRI Sample ID: 216670
Work Order: 23468
Project: 03159.12.20X

Customer: Metcalf Eddy
Client Sample ID: D03476
Sample Matrix: Soil

012872



SwRI Sample ID: 216671

Work Order: 23468

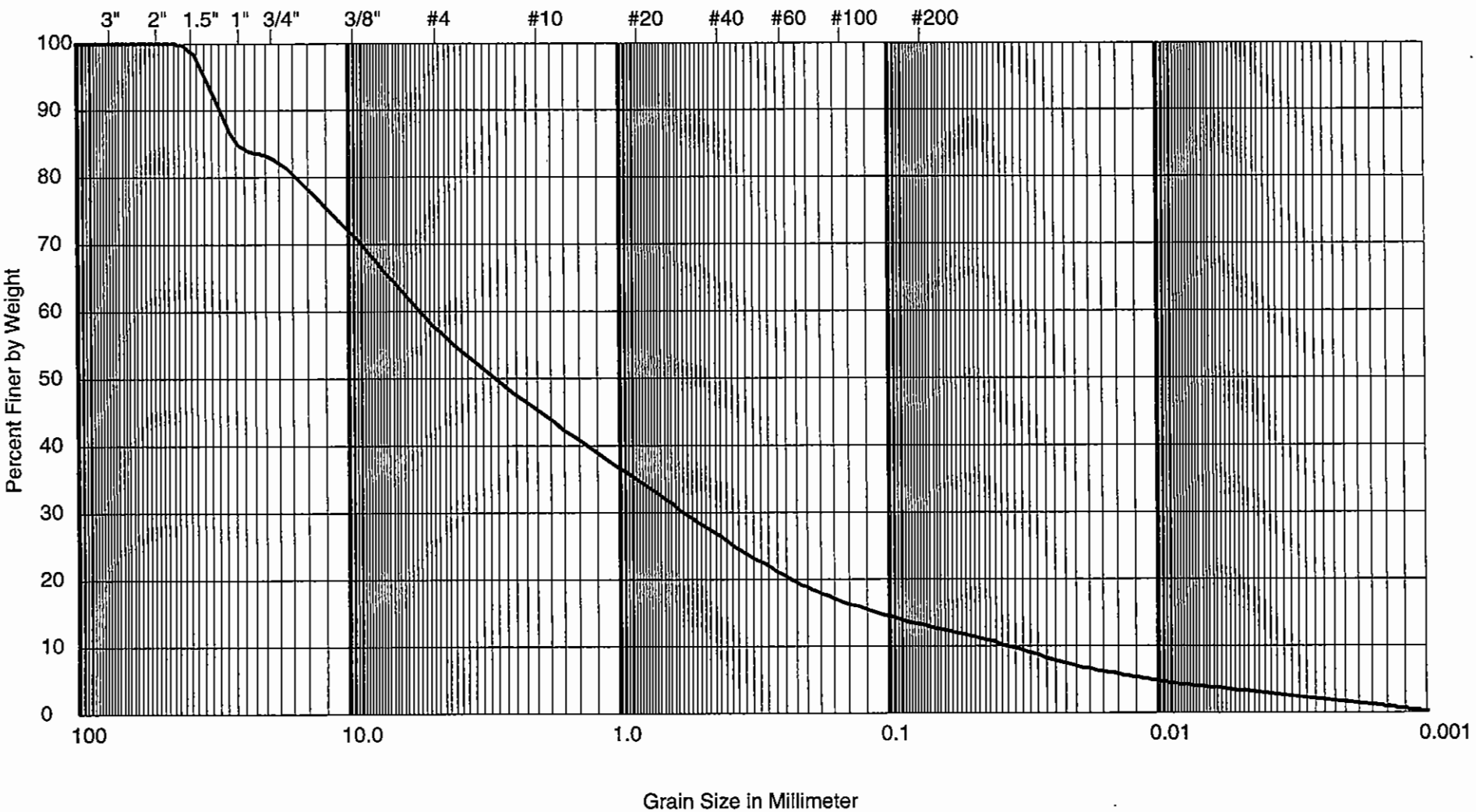
Project: 03159.12.20X

Customer: Metcalf Eddy

Client Sample ID: D03477

Sample Matrix: Soil

012881



SwRI Sample ID: 216676

Work Order: 23468

Project: 03159.12.20X

Customer: Metcalf Eddy

Client Sample ID: D03528

Sample Matrix: Soil

012893

Southwest Research Institute
Grain Size Report

010210

SwRI Sample ID:	237221	Customer:	Metcalf & Eddy	Case:	0224M
Task Order #:	031029-2	Client Sample ID:	D04221	SDG:	D04224
Project:	03159.12.30X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 384.05

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	13.35	3.5	96.5
#4	51.47	16.9	83.1
#10	60.36	32.6	67.4

Date Analyzed: 11/13/2003

Sieve of -20/+200

Weight of Materials used in Hydrometer: 50.07

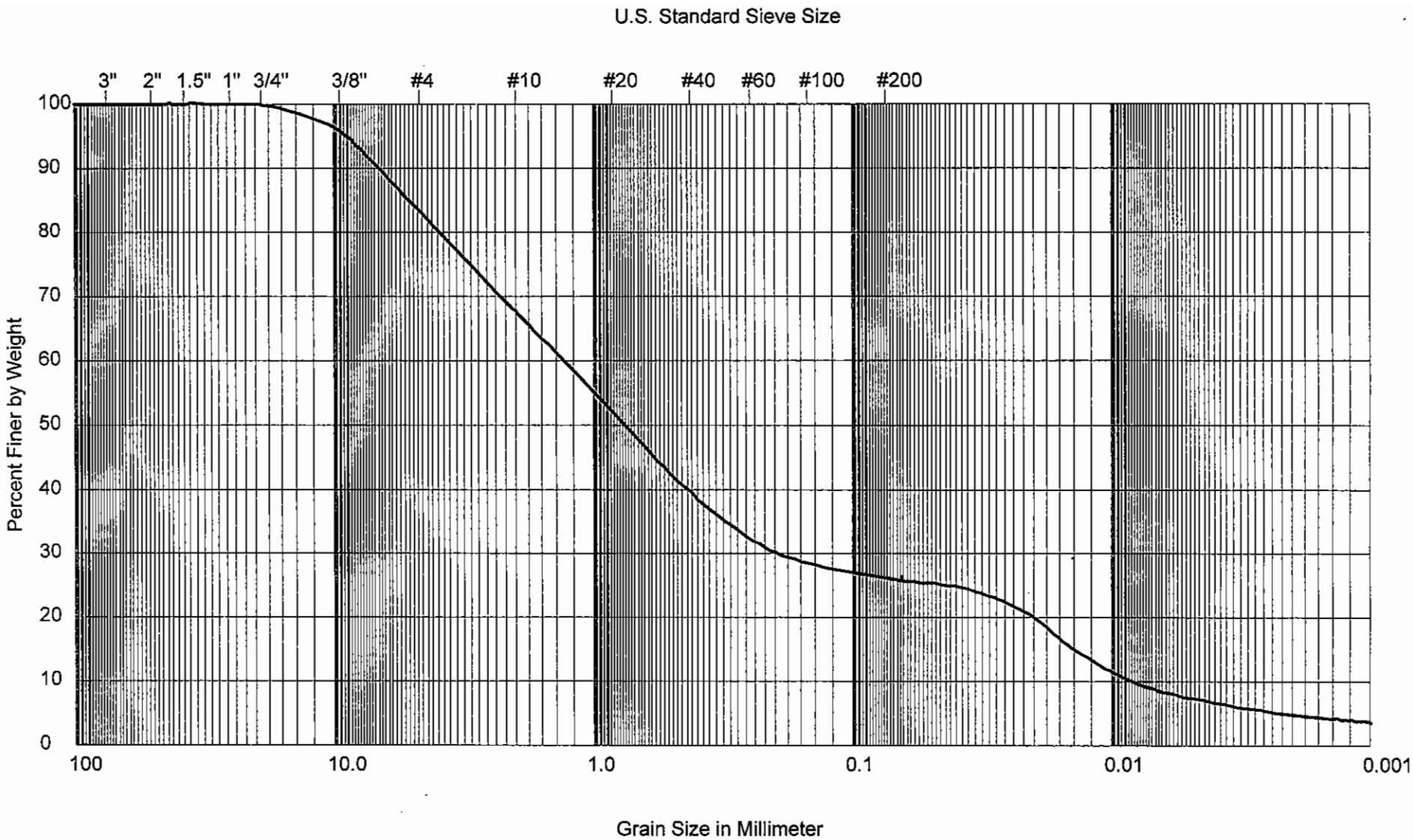
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	11.22	58.01	183.19	47.7	52.3
#40	10.22	110.85	236.03	61.5	38.5
#60	5.20	137.73	262.91	68.5	31.5
#100	2.68	151.59	276.77	72.1	27.9
#200	1.73	160.53	285.71	74.4	25.6

Date Analyzed: 11/17/2003

Specific Gravity: 2.53 Hydrometer ID: 152-h-005

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	24	6	18	12.4	0.0353	24.814
20	5	22	6	16	12.7	0.0226	22.056
20	15	16	6	10	13.7	0.0135	13.785
20	30	14	6	8	14.0	0.0097	11.028
20	60	12	6	6	14.3	0.0069	8.271
20	250	10	6	4	14.7	0.0034	5.514
20	1440	9	6	3	14.8	0.0014	4.136

Date Analyzed: 11/13/2003



SwRI Sample ID: 237221

Task Order: 031029-2

Project: 03159.12.30X

Customer: Metcalf Eddy

Client Sample ID: D04221

Sample Matrix: Sediment

010211

Southwest Research Institute
Grain Size Report

010212

SwRI Sample ID:	237221D	Customer:	Metcalf & Eddy	Case:	0224M
Task Order #:	031029-2	Client Sample ID:	D04221	SDG:	D04224
Project:	03159.12.30X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 384.05

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	13.35	3.5	96.5
#4	51.45	16.9	83.1
#10	60.26	32.6	67.4

Date Analyzed: 11/13/03

Southwest Research Institute
Grain Size Duplicate Report

010213

SwRI Sample ID: 237221
Client Sample ID: D04221
Sample Matrix: Sediment

Client: METCALF & EDDY
Sample Receipt Report: 25173
Task Order: 031029-2

Case: DAS 0224M
SDG: D04224
Project: 03159.12.306

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	%RPD
3"	100	100	0.00
2"	100	100	0.00
1 1/2"	100	100	0.00
1"	100	100	0.00
3/4"	100	100	0.00
3/8"	96.5	96.4	0.10
#4	83.1	82.7	0.48
#10	67.4	66.8	0.89
#20	52.3	51.7	1.15
#40	38.5	38.2	0.78
#60	31.5	31.0	1.60
#100	27.9	27.7	0.72
#200	25.6	25.4	0.78

Hydrometer Analysis

Reading Time, min	% Finer	% Finer	%RPD
2	24.814	24.575	0.97
5	22.056	21.845	0.96
15	13.785	15.018	8.56
30	11.028	10.922	0.97
60	8.271	8.192	0.96
250	5.514	5.461	0.97
1440	4.136	4.096	0.97

Southwest Research Institute

010214

Grain Size RPD Report

SwRI Sample ID: 237221D
Task Order: 031029-2
Project: 03159.12.30X

Client: Metcalf & Eddy
Client Sample ID: D04221
Sample Matrix: Sediment

Case: 0224M
SDG: D04224

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	96.5	96.5	96.5	0
#4 (4.75 mm)	83.1	83.1	83.1	0.0
#10 (2.00 mm)	67.4	67.4	67.4	0.0

Southwest Research Institute
Grain Size Report

010215

SwRI Sample ID:	237221Z	Customer:	Metcalf & Eddy	Case:	0224M
Task Order #:	031029-2	Client Sample ID:	D04221	SDG:	D04224
Project:	03159.12.30X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 388.25

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	14.11	3.6	96.4
#4	52.97	17.3	82.7
#10	61.88	33.2	66.8

Date Analyzed: 11/13/2003

Sieve of -20/+200

Weight of Materials used in Hydrometer: 50.09

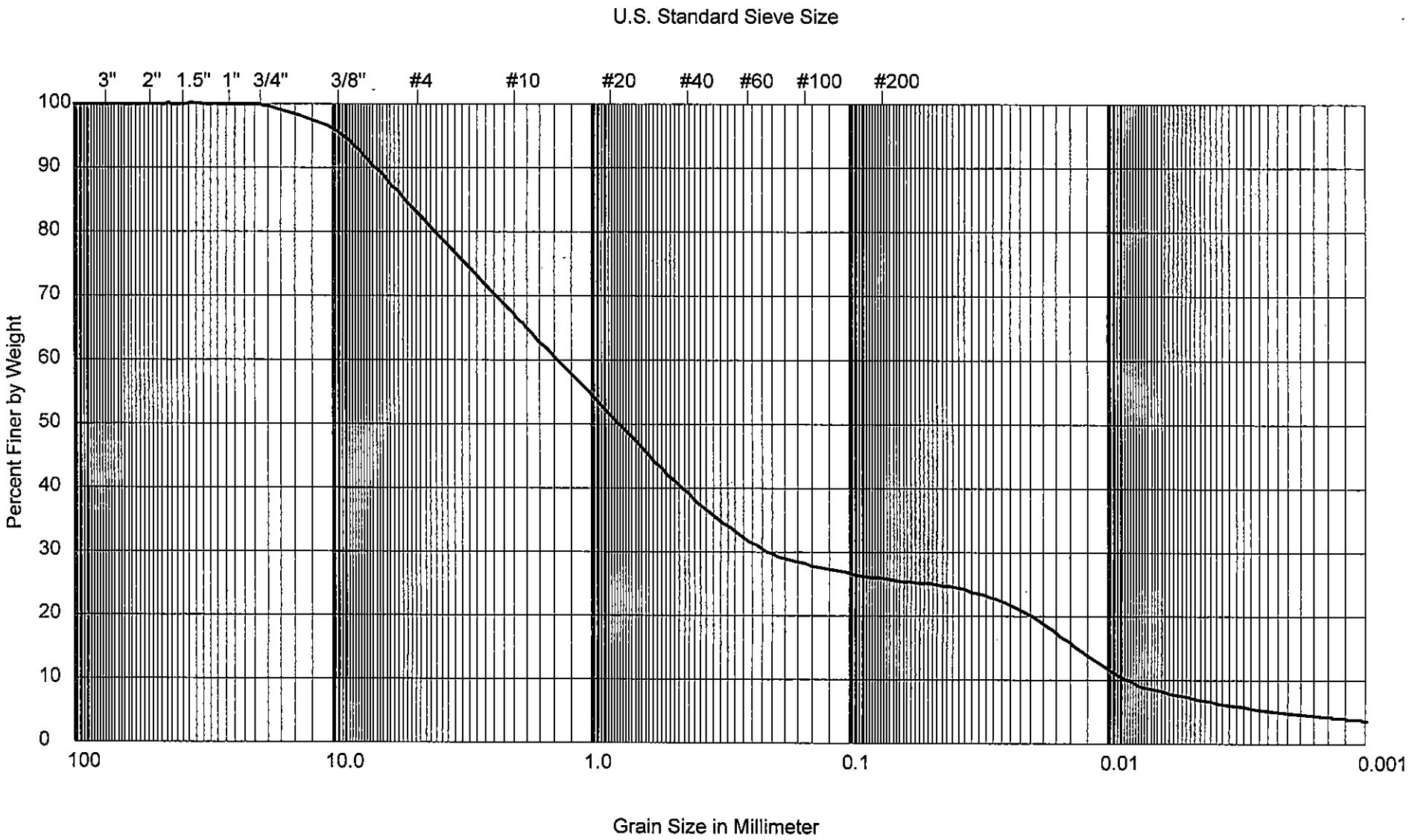
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	11.32	58.60	187.56	48.3	51.7
#40	10.12	110.98	239.94	61.8	38.2
#60	5.39	138.89	267.85	69.0	31.0
#100	2.52	151.93	280.89	72.3	27.7
#200	1.69	160.68	289.64	74.6	25.4

Date Analyzed: 11/17/2003

Specific Gravity: 2.53 Hydrometer ID: 152-h-006

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	23	5	18	12.5	0.0354	24.575
20	5	21	5	16	12.9	0.0227	21.845
20	15	16	5	11	13.7	0.0135	15.018
20	30	13	5	8	14.2	0.0097	10.922
20	60	11	5	6	14.5	0.0070	8.192
20	250	9	5	4	14.8	0.0034	5.461
20	1440	8	5	3	15.0	0.0014	4.096

Date Analyzed: 11/13/2003



SwRI Sample ID: 237221Z

Task Order: 031029-2

Project: 03159.12.30X

Customer: Metcalf Eddy

Client Sample ID: D04221

Sample Matrix: Sediment

010216

010217

Southwest Research Institute
Grain Size Report

SwRI Sample ID:	237221ZD	Customer:	Metcalf & Eddy	Case:	0224M
Task Order #:	031029-2	Client Sample ID:	D04221	SDG:	D04224
Project:	03159.12.30X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 388.25

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	14.11	3.6	96.4
#4	52.01	17.0	83.0
#10	60.92	32.7	67.3

Date Analyzed: 11/13/2003

Southwest Research Institute
Grain Size RPD Report

SwRI Sample ID: 237221ZD
Task Order: 031029-2
Project: 03159.12.30X

Client: Metcalf & Eddy
Client Sample ID: D04221
Sample Matrix: Sediment

Case: 0224M
SDG: D04224

Sieve Analysis

Sieve Size	Sample % Passing	Duplicate % Passing	Average	% RPD
3" (76.2 mm)	100.0	100.0	100.0	0
2" (50.8 mm)	100.0	100.0	100.0	0
1 1/2" (38.1 mm)	100.0	100.0	100.0	0
1" (25.4 mm)	100.0	100.0	100.0	0
3/4" (19.05 mm)	100.0	100.0	100.0	0
3/8" (9.5 mm)	96.4	96.4	96.4	0
#4 (4.75 mm)	82.7	83.0	82.8	0.3
#10 (2.00 mm)	66.8	67.3	67.0	0.7

Southwest Research Institute
Grain Size Report

010219

SwRI Sample ID:	237222	Customer:	Metcalf & Eddy	Case:	0224M
Task Order #:	031029-2	Client Sample ID:	D04222	SDG:	D04224
Project:	03159.12.30X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 135.54

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	0	0.0	100.0

Date Analyzed: 11/13/2003

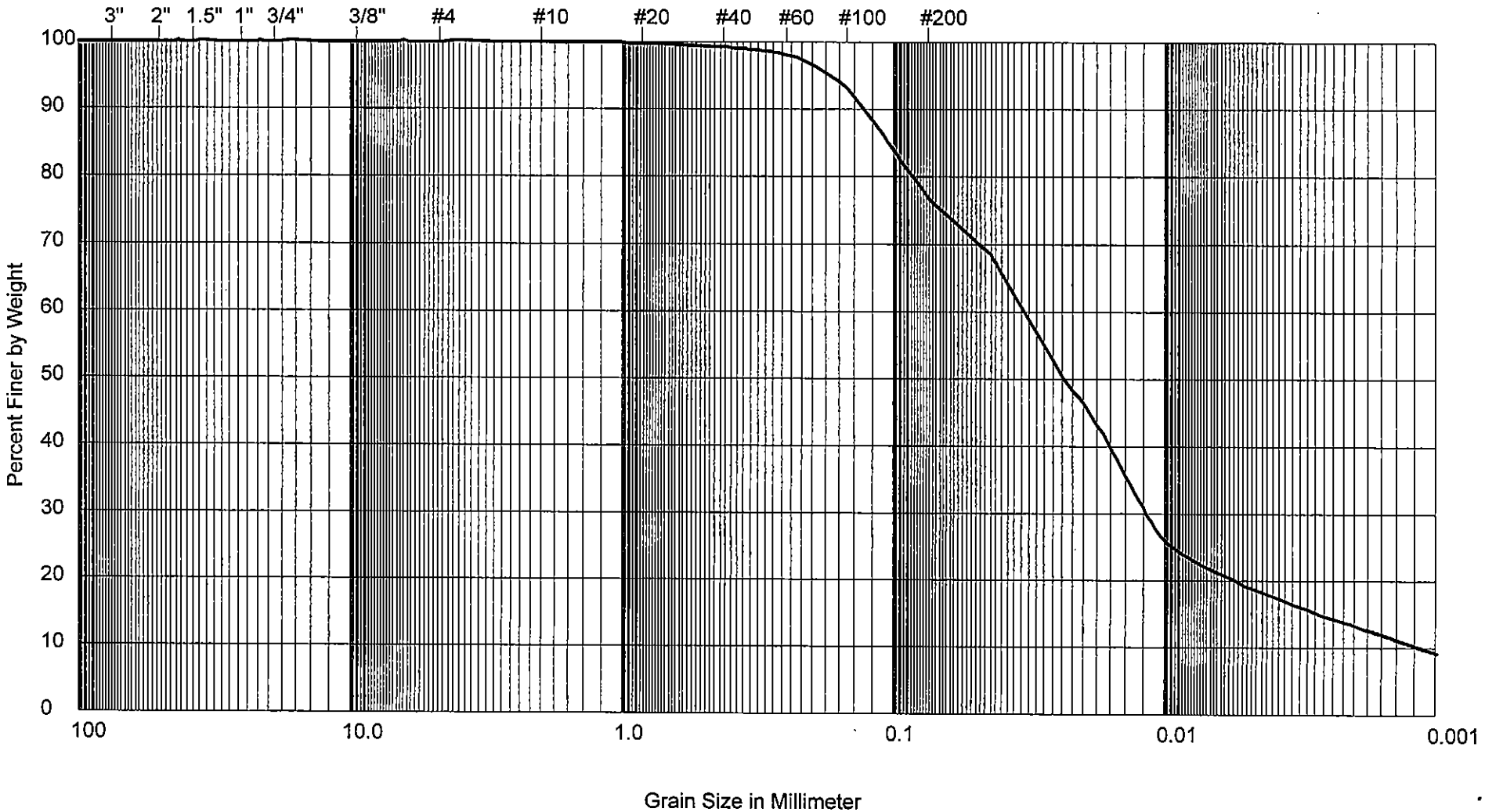
Sieve of -20/+200

Weight of Materials used in Hydrometer: 50.00					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	0.12	0.33	0.33	0.2	99.8
#40	0.29	1.11	1.11	0.8	99.2
#60	0.39	2.17	2.17	1.6	98.4
#100	2.27	8.32	8.32	6.1	93.9
#200	8.76	32.07	32.07	23.7	76.3

Date Analyzed: 11/17/2003

Specific Gravity: 1.92				Hydrometer ID: 152-h-007			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	32	5	27	11.1	0.0430	68.148
20	5	26	5	21	12.0	0.0283	53.004
20	15	22	5	17	12.7	0.0168	42.908
20	30	17	5	12	13.5	0.0122	30.288
20	60	14	5	9	14.0	0.0088	22.716
20	250	12	5	7	14.3	0.0044	17.668
20	1440	10	5	5	14.7	0.0018	12.620

Date Analyzed: 11/13/2003



SwRI Sample ID: 237222

Task Order: 031029-2

Project: 03159.12.30X

Customer: Metcalf Eddy

Client Sample ID: D04222

Sample Matrix: Sediment

010220

Southwest Research Institute

010221

Grain Size Report

SwRI Sample ID:	237223	Customer:	Metcalf & Eddy	Case:	0224M
Task Order #:	031029-2	Client Sample ID:	D04223	SDG:	D04224
Project:	03159.12.30X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 122.90

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	0	0.0	100.0

Date Analyzed: 11/13/2003

Sieve of -20/+200

Weight of Materials used in Hydrometer: 50.09

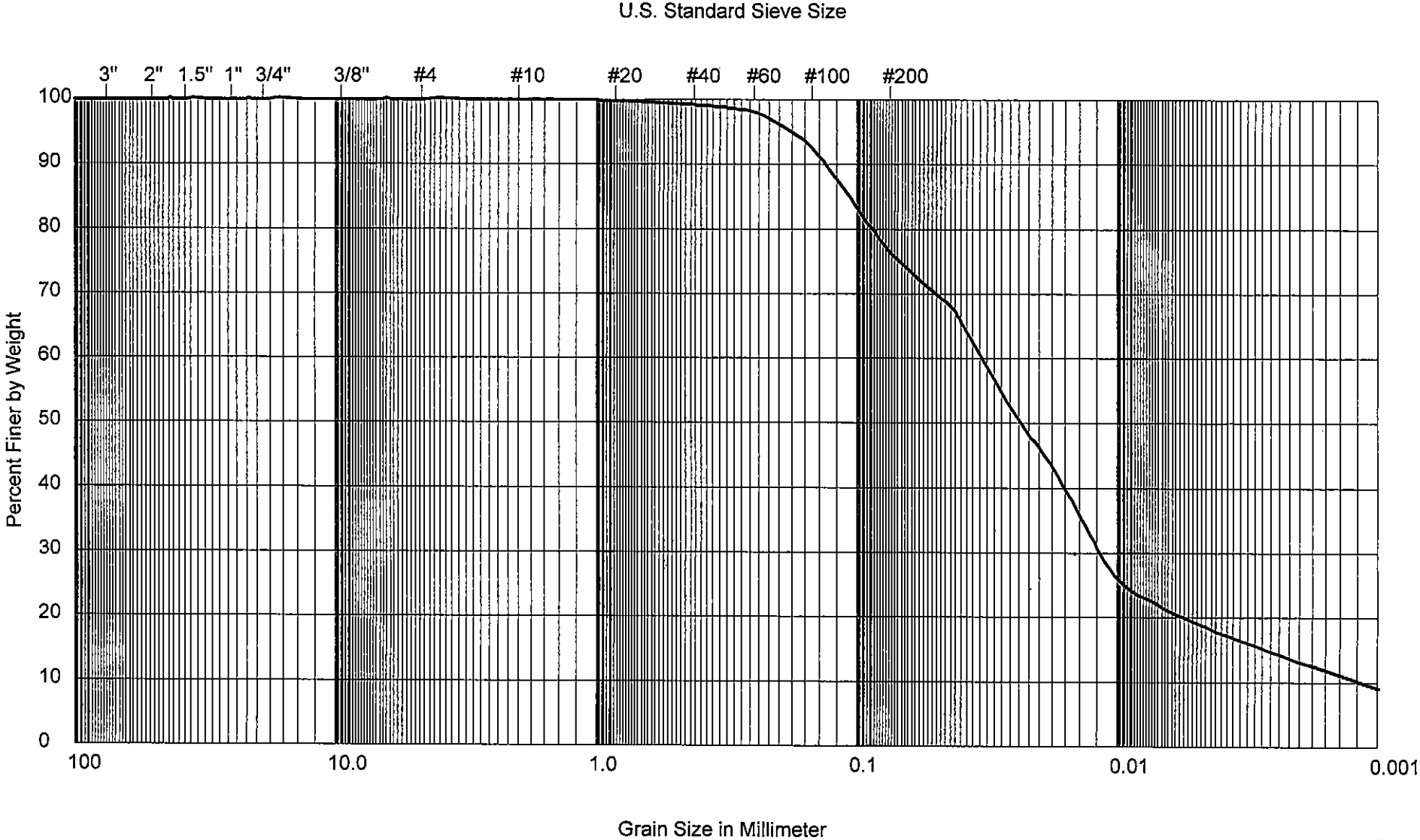
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	0.13	0.32	0.32	0.3	99.7
#40	0.30	1.06	1.06	0.9	99.1
#60	0.41	2.06	2.06	1.7	98.3
#100	2.57	8.37	8.37	6.8	93.2
#200	8.74	29.81	29.81	24.3	75.7

Date Analyzed: 11/17/2003

Specific Gravity: 1.93 Hydrometer ID: 152-h-008

Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	32	5	27	11.1	0.0428	67.810
20	5	26	5	21	12.0	0.0281	52.741
20	15	22	5	17	12.7	0.0167	42.695
20	30	17	5	12	13.5	0.0122	30.138
20	60	14	5	9	14.0	0.0088	22.603
20	250	12	5	7	14.3	0.0043	17.580
20	1440	10	5	5	14.7	0.0018	12.557

Date Analyzed: 11/13/2003



SwRI Sample ID: 237223

Task Order: 031029-2

Project: 03159.12.30X

Customer: Metcalf Eddy

Client Sample ID: D04223

Sample Matrix: Sediment

010222

Southwest Research Institute
Grain Size Report

010223

SwRI Sample ID:	237224	Customer:	Metcalf & Eddy	Case:	0224M
Task Order #:	031029-2	Client Sample ID:	D04227	SDG:	D04224
Project:	03159.12.30X	Sample Matrix:	Sediment		

Sieve of +10

Total Sample Wt: 124.81

Sieve	Wt. Retained	% Retained	% Pass
3"	0	0.0	100.0
2"	0	0.0	100.0
1 1/2"	0	0.0	100.0
1"	0	0.0	100.0
3/4"	0	0.0	100.0
3/8"	0	0.0	100.0
#4	0	0.0	100.0
#10	0	0.0	100.0

Date Analyzed: 11/13/2003

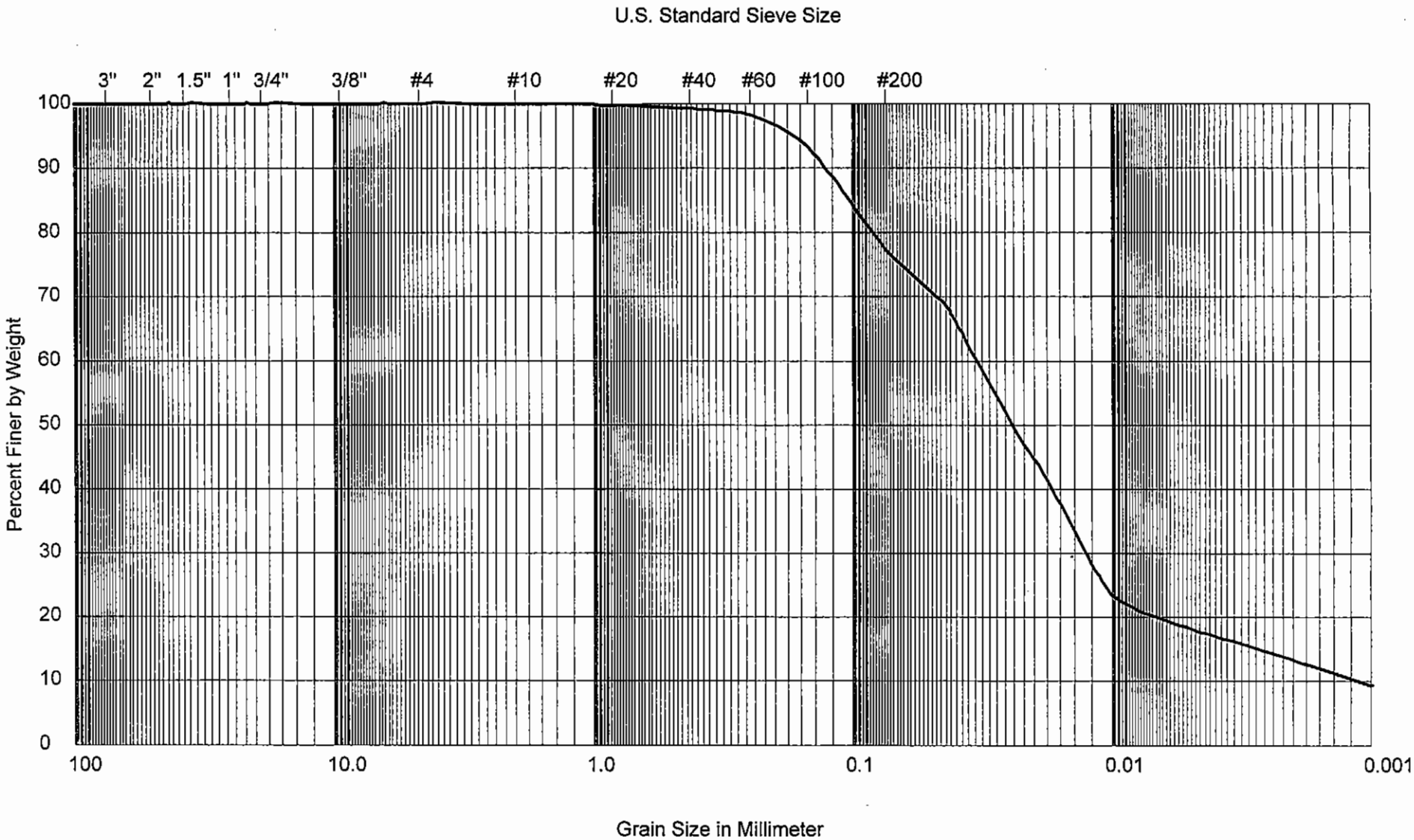
Sieve of -20/+200

Weight of Materials used in Hydrometer: 50.04					
Sieve	Wt. Retained each Sieve	Yield	Wt. Retained	% Retained	% Pass
#20	0.13	0.32	0.32	0.3	99.7
#40	0.29	1.05	1.05	0.8	99.2
#60	0.30	1.80	1.80	1.4	98.6
#100	2.22	7.33	7.33	5.9	94.1
#200	8.65	28.91	28.91	23.2	76.8

Date Analyzed: 11/17/2003

Specific Gravity: 1.91				Hydrometer ID: 152-h-009			
Temp.	Reading Time	Hydro. Reading	Hydro. Corr.	Corrected Hydro Reading	L	Diam (mm)	% Finer
20	2	33	6	27	10.9	0.0429	68.309
20	5	27	6	21	11.9	0.0283	53.129
20	15	22	6	16	12.7	0.0169	40.480
20	30	17	6	11	13.5	0.0123	27.830
20	60	14	6	8	14.0	0.0089	20.240
20	250	13	6	7	14.2	0.0044	17.710
20	1440	11	6	5	14.5	0.0018	12.650

Date Analyzed: 11/17/2003



SwRI Sample ID: 237224

Task Order: 031029-2

Project: 03159.12.30X

Customer: Metcalf Eddy

Client Sample ID: D04227

Sample Matrix: Sediment

010224

Southwest Research Institute

Hygroscopic Moisture Report

010225

Client: METCALF & EDDY
Sample Receipt Report: 25173
Task Order: 031029-2

Lab Code: SWRI
Sample Matrix: Sediment
Project: 03159.12.306

Case: DAS 02224M
SDG: D04224

Field Sample ID#	Lab Sample ID#	Hygroscopic Moisture, %	%RPD
D04221	237221	0.20	
D04221	237221D	0.20	0.00%
D04222	237222	<0.20	
D04223	237223	0.29	
D04227	237224	0.20	

Appendix PP
GPR Survey Report

Hager GeoScience Inc.
596 Main Street Woburn, MA 01801
Tel 781-935-8111 Fax 781-935-2717

December 22, 2003
File 200359

Metcalf & Eddy
701 Edgewater Drive
Wakefield, MA 01880
Attn: Michael DeChiara

Re: GPR Survey
Hatheway and Patterson Superfund Site
Mansfield, Massachusetts

Dear Mr. DeChiara:

This letter reports the results of a ground penetrating radar (GPR) survey performed by Hager GeoScience, Inc. (HGI) for Metcalf & Eddy (M&E) in Mansfield, Massachusetts. The project is in support of a Remedial Investigation at the site under the EPA-New England RAC contract, with TRC performing most of the technical work and M&E administering the project. The objective of the survey was to locate drain lines and other possible utilities in the subsurface connecting existing catch basins and manholes. The survey was performed at a number of different locations on the site where these catch basins and manholes existed; most of the areas were open and paved.

DATA COLLECTION

HGI personnel performed the data collection on November 24th and 25th, 2003. The catch basin and manhole locations were delineated on a map provided by M&E and pointed out in the field by a TRC representative. At several of the catch basin and manhole locations HGI personnel laid out grids using measuring tapes and spray paint. The locations of these grids are shown on Plate 1, an AutoCAD plot adapted from the drawing provided by TRC... At other locations HGI personnel traced pipes without extensive grids and marked the drain lines and other utilities on the ground at the time of the survey.

GPR data were collected using a GSSI SIR 2000 GPR system with a 500 MHz antenna and survey wheel. They were recorded in real time on the unit's 2-Gbyte hard drive and transferred to a PC for analysis using RADAN for Windows NT© software. A detailed description of the GPR method and its limitations is presented in a separate section at the end of this letter report.

In the grid survey areas, GPR data were collected along traverses in two perpendicular directions spaced 5 feet or less apart. In the non-grid areas, GPR data were collected along traverses perpendicular to the drain line or utility being traced, spaced 5 to 10 feet apart.

RESULTS

Plate 1 shows the results of the GPR survey. As expected, drain lines and utilities connect some of the existing catch basins and manholes. Several of the existing catch basins are dry wells, with several of the other catch basins appearing to connect solely to one of these dry wells. All catch basin and manhole connections (except for CB-1, which HGI personnel were unable to open at the time of the survey) were verified by opening the structure and viewing all possible inlets and/or outlets. MH-4 was discovered to be an existing septic system. This structure and the related leach field and piping structures have also been plotted on Plate 1.

At the time of the survey, a drill rig working near MH-2 and MH-3 prevented HGI from tracing an electric line possibly connecting MH-2 and MH-3; however, the line appeared to run between MH-2 and MH-3, where an existing above-ground electrical outlet was visible. The TRC site representative indicated that these lines were of low priority and did not need to be traced further in the obstructed area. Thick brush and bushes restricted the tracing of two other utility lines from MH-2. The probable locations of these utilities have been plotted on Plate 1.

Please contact us at (781) 935-8111 if you have any questions or need additional information.

Respectfully yours,
HAGER GEOSCIENCE, INC.

Jutta Hager, Ph.D.
President

Cc: Frank Calandra, TRC Environmental Corporation

GROUND PENETRATING RADAR

DESCRIPTION OF THE METHOD

The principle of ground penetrating radar (GPR) is the same as that used by police radar, except that GPR transmits electromagnetic energy into the ground, and the energy is reflected back to the surface from interfaces between materials with contrasting electrical (dielectric and conductivity) and physical properties. The greater the contrast between two materials in the subsurface, the stronger the reflection observed on the GPR record. The depth of GPR signal penetration depends on the properties of the subsurface materials and the frequency of the antenna used to collect radar data. The lower the antenna frequency, the greater the signal penetration, but the lower the signal resolution

Data Collection. We perform our GPR surveys using our Geophysical Survey Systems (GSSI) SIR 2/2000 ground penetrating radar systems. GPR data are digitally recorded on the hard drive of the system, which allows the GPR operator to filter out noise attributed to conductive soil conditions and stack data for better signal penetration. The unit can be completely portable when the operator carries the electronics in a harness and pulls the antenna behind him at the end of a 3-meter attenuated control cable. For shallow surveys, we use a 400-or 1500-megahertz (MHz) antenna. For deeper penetration, we use lower frequency antennas ranging from 100-MHz to 15 MHz, depending on the anticipated depth of the target and the degree of signal penetration. All of these antenna configurations can collect data in continuous mode or as discrete point measurements using stacking techniques. Since there is a tradeoff between signal penetration and resolution, we frequently run test lines using antennas with several frequencies and use the highest frequency antenna that produces the highest quality data.

The horizontal scale of the GPR record shows distance along the survey traverse. In the continuous data collection mode, the horizontal scale on each GPR record is determined by the antenna speed. When a survey wheel is used, the GPR record is automatically marked at specified intervals along the survey line. The vertical scale of the radar records is determined by the recording time window or interval. The recording time interval represents the maximum two-way travel time in which data are recorded. The conversion of two-way travel time to depth depends on the propagation velocity of the GPR signal, which is site specific. When little or no information is available about the makeup of subsurface materials, we estimate propagation velocities from handbook values and experience at similar sites or by CDP velocity surveys with our bi-static antenna.

Data Processing. After completion of data collection, the GPR data are transferred to a PC for review and processing using RADAN f© software. When appropriate, we prepare 3D models of GPR data, which can be sliced in the X, Y, and Z directions. For surveys to map rebar and conduits in concrete, HGI uses the Structure Scan II© system. Data are collected at 2-inch spacing in two directions on a 2x2-foot pad. The StructureScan II© software takes the input radar file and creates a 3D model of the grid area. Given the propagation velocity, the module automatically generates time slices of the developed model at user-chosen depth intervals. Migration techniques included in the module are used to constrain the actual position of rebar

and pipe reflections in the records.

The size, shape, and amplitude of GPR reflections are used to interpret GPR data. Metal objects such as USTs and utilities produce reflections with high amplitude and distinctive hyperbolic shapes in GPR records when traverses are made perpendicular to their long axes. Clay or concrete pipes and boulders may produce radar signatures of similar shape but lower amplitude. The boundaries between saturated and unsaturated materials, sand and clay, and bedrock and overburden generally also produce strong reflections.

LIMITATIONS OF THE METHOD

GPR signal penetration is site specific, determined by the dielectric properties of local soil and fill materials. GPR signals propagate well in resistive materials such as sand and gravel; however, soils containing clay, ash- or cinder-laden fill, or fill saturated with brackish or otherwise conductive groundwater cause GPR signal attenuation and loss of target resolution. Concrete containing rebar or mesh also inhibits signal penetration.

Interpreted depths of objects detected using GPR are based on on-site calibration, handbook values, and/or estimated GPR signal propagation velocities from similar sites. GPR velocities and depth estimates may vary if the medium of investigation or soil water content is not uniform throughout the site.

Utilities are interpreted on the basis of reflectors of similar size and depth that show a linear trend, but GPR cannot unambiguously determine that all such reflectors are related. Fiberglass USTs or utilities composed of plastic or clay may be difficult to detect if situated in soils with similar electromagnetic properties. Objects buried beneath reinforced concrete pads may also be difficult, but possible, to detect.

Changes in the speed at which the GPR antenna is moved between stations causes slight variations in distance interpolations, and hence in interpreted object positions.

The GPR antenna produces a cone-shaped signal pattern that emanates approximately 45 degrees from horizontal fore and aft of the antenna. Therefore, buried objects may be detected before the antenna is located directly over them, and GPR anomalies may appear larger than actual target dimensions.

GPR is an interpretive method, based on the identification of reflection patterns that may not uniquely identify a subsurface target. Borings, test pits, or site utility plans must verify the results.

Appendix QQ
Cone Penetrometer Report

APPLIED RESEARCH ASSOCIATES, INC.

March 7, 2003

Mr. Frank Calandra
TRC Environmental Corporation
Boot Mills South
Foot of John Street
Lowell, MA 01852

Subject: Former Hathaway & Patterson Superfund Site Remedial Investigation.

Applied Research Associates, Inc. (ARA) was contracted to complete a series of Cone Penetration (CPT) soundings at the former Hathaway & Patterson Site in Mansfield, Massachusetts henceforth referred to as the "Site". ARA assisted in the Remedial Investigation (RI) that included the delineation of non-aqueous phase liquid (NAPL) within the southern and southeastern portions of the parcel. CPT soundings were conducted in a grid pattern within these areas.

The Fuel Fluorescence Detector (FFD) is a CPT module capable of measuring hydrocarbon contamination versus depth. The FFD detects the fluorescence produced by hydrocarbons when excited by an ultraviolet light source as it advances through impacted material. The FFD probe system analyzes lighter petroleum hydrocarbons (gasoline, jet fuel, kerosene) in the LFFD channel and heavier petroleum hydrocarbons (coal tar, #4 heating oil, creosote) in the HFFD channel.

The fluorescence of the hydrocarbons is measured in millivolts (mV), which is displayed in the graphical presentation of response versus depth. The following levels, in mV, are a semi-quantified estimation of impact of DNAPL on the the subsurface media:

- 10 mV equals minimal impact;
- 20 mV equals low impact levels;
- 50 mV equals moderate levels of impact;
- 80 mV and greater are highly impacted.

LFFD and HFFD outputs are recorded in mV versus depth. Each sounding's baseline is defined prior to contact with the in-situ material and can be negative or positive. The absolute value of the baseline is not important, but rather positive deviations from the slowly changing baseline are an indication of the presence of fuel product.

The following table is a brief summary of the FFD data collected during the RI. The table consists of the sounding identification, total sounding depth, impacted depths, and LFFD and HFFD levels of impact.

415 WATERMAN ROAD ■ SOUTH ROYALTON, VT 05068
(802) 763-8348 ■ FAX (802) 763-8283

ARA also provided down-hole video (Video-CPT) as a service to accompany and confirm the presence of NAPL petroleum hydrocarbons implicated by high FFD recordings at the Site. The in-situ benefits of the Video-CPT are that subsurface conditions can be captured visually, NAPL can be observed, and hydrogeologic conditions are easily identified. The video displays depth and sounding identification as the probe advances. The following sounding locations were assessed by Video-CPT: CPT-A4, CPT-A3, CPT-H1, CPT-D4, CPT-E4, CPT-E3, and CPT-D5.

After review of the video records, we observed a number of pertinent details that we wish to bring to your attention as you view the tapes, they are:

- CPT-A4- Dry overburden soils 0.5' to 8.25' below grade surface (bgs), NAPL ranged between 8.9' to 9.4' bgs, groundwater interface (GWI) observed at 8.5'bgs, saturated soils range from 9.6' to 11.5' bgs;

- CPT-A3- Dry overburden soils 0.5' to 8.5' bgs, NAPL ranged between 9.25' to 10.3' bgs, GWI at 8.65' bgs, saturated soils range from 9.35' to 12.1' bgs;

- CPT-H1- Dry overburden soils 0.5' to 7.5' bgs, NAPL was not visually observed, GWI at 8.2' bgs, saturated soils range from 9.0' to 11.5' bgs;

- CPT-D4- Dry overburden soils 0.5' to 7.5' bgs, NAPL ranged between 7.5' to 10.5' bgs, GWI at 8.0' bgs, saturated soils range from 10.0' to 11.1' bgs;

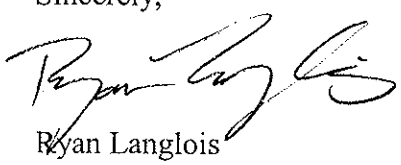
- CPT-E4- Dry overburden soils 0.5' to 6.5' bgs, NAPL ranged between 7.25' to 10.2' bgs, GWI at 7.25' bgs, saturated soils range from 10.5' to 12.0' bgs;

- CPT-E3- Dry overburden soils 0.5' to 6.5' bgs, NAPL ranged between 8.0' to 9.5' bgs, GWI at 7.5' bgs, saturated soils range from 8.5' to 12.0' bgs;

- CPT-D5- Dry overburden soils 0.5' to 8.5' bgs, NAPL ranged between 10.0' to 11.0' bgs, GWI at 9.0' bgs, saturated soils range from 11.0' to 12.0' bgs.

I hope you find the data summaries above useful in assurtaining and interpreting the results from the Site. If I may be of further assistance please don't hesitate to call me at (802) 763-8348, Ext. 270.

Sincerely,



Ryan Langlois
Staff Environmental Scientist

Applied Research Associates, Inc.
Hathaway & Patterson Superfund Site
Remedial Investigation

Sounding Identification	Total Depth (Feet)	Impacted Depth (Feet)	Level of Impact LFFD	Level of Impact HFFD
CPT- A5	5.79	ND	<10 mV	<10 mV
CPT- A6	5.08	ND	<10 mV	<10 mV
CPT- A7	3.27	ND	<10 mV	<10 mV
CPT- A8	5.77	ND	<10 mV	<10 mV
CPT- A10	4.83	ND	<10 mV	<10 mV
CPT- A11	5.33	ND	<10 mV	<10 mV
CPT- B1	20.62	7 - 9	<10 mV	18 mV
CPT- B2	17.43	6 - 8	12 mV	30 mV
CPT- C1	19.33	6 - 8	20 mV	55 mV
CPT- C3	5.18	ND	<10 mV	<10 mV
CPT- C4	7.28	2 - 3	<10 mV	<10 mV
CPT- D1	23.21	7.5 - 11	<10 mV	20 mV
CPT- D2	22.22	7.5 – 10.5	15 mV	35 mV
CPT- D3	19.54	7.5 - 9	15 mV	58 mV
CPT- D4	19.84	7.5 - 11	25 mV	<10 mV
CPT- D5	10.18	6.5 - 8	<10 mV	35 mV
CPT- D6	8.02	3 - 6	15 mV	40 mV
CPT- D8	4.94	1 - 3	<10 mV	<10 mV
CPT- D9	5.16	1 – 3.5	<10 mV	<10 mV
CPT- D10	5.79	1 - 4	<10 mV	30 mV
CPT-E1	25.07	7 - 9	15 mV	<10 mV
CPT-E2	30.34	6 - 10	20 mV	70 mV
CPT-E3	16.46	7 – 9	20 mV	90 mV
CPT-E4	19.72	6 - 10	20 mV	80 mV
CPT-E6	5.10	ND	<10 mV	<10 mV
CPT-6A	1.28	ND	ND	ND
CPT-E7	7.59	ND	ND	ND
CPT-E8	4.60	1 – 3	100 mV	<10 mV
CPT-F1	23.11	8 – 11	<10 mV	20 mV
CPT-F4	19.02	4 – 7	<10 mV	45 mV
CPT-G1	16.44	7 - 10	15 mV	70 mV
CPT-G3	16.24	5 - 7	15 mV	60 mV
CPT-H1	16.60	8 - 9	20 mV	50 mV
CPT-I1	2.15	ND	ND	ND
CPT-J1	3.73	ND	ND	ND

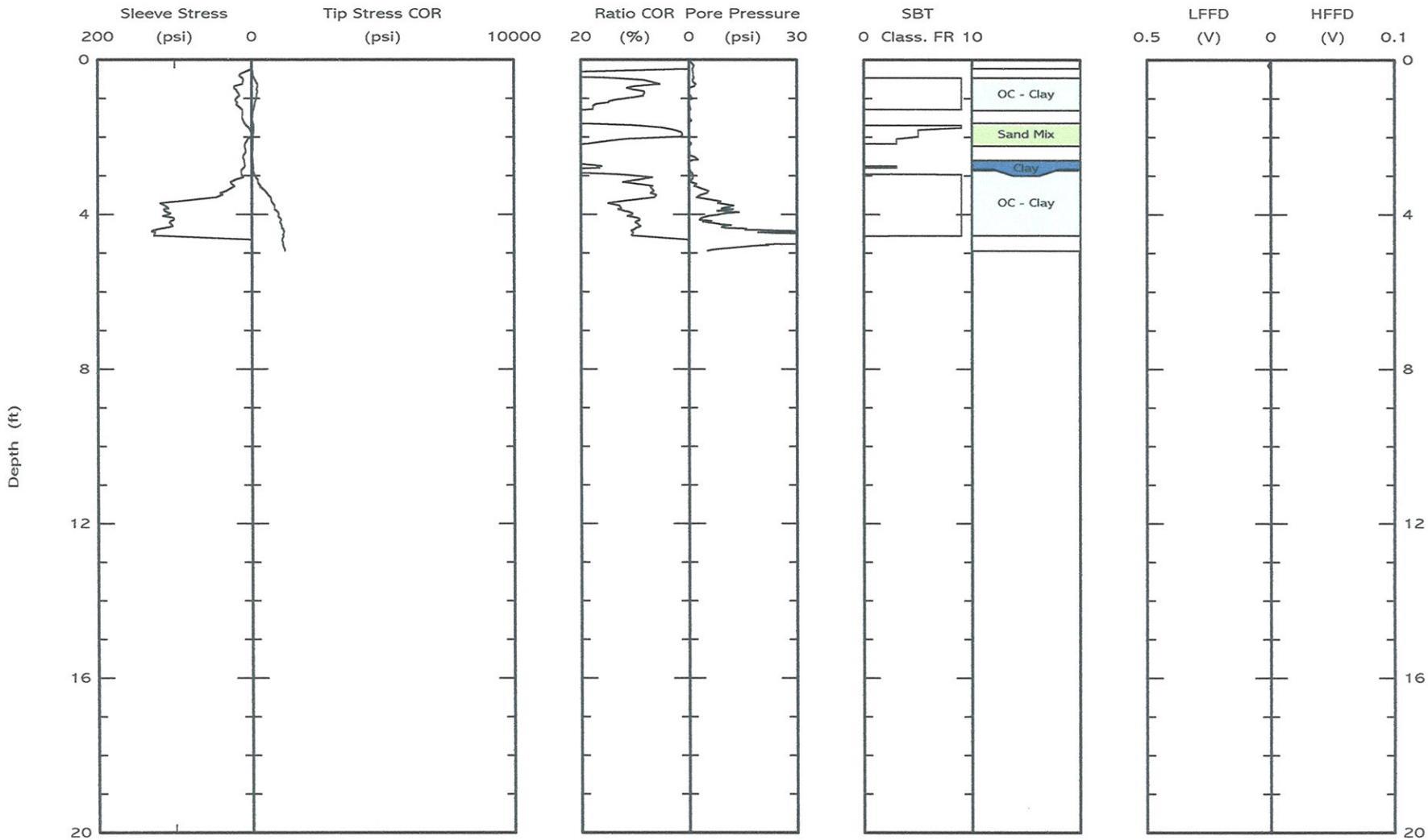
Note: ND = Not Detected, mV= Millivolts, CPT=Cone Penetrometer Test

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-D08
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 4.94 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

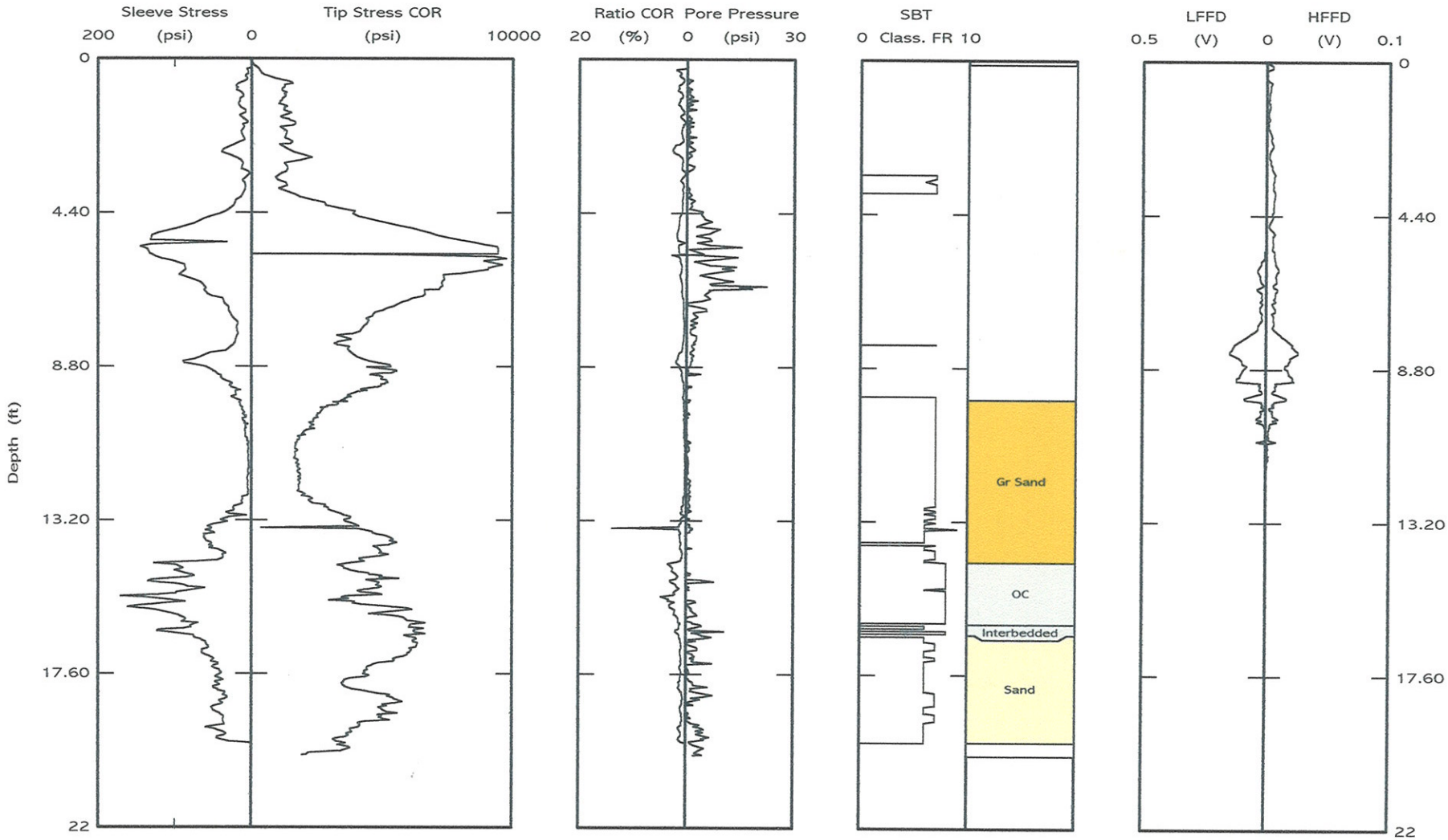
Test ID: CPT-D08
File: 414N0203C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 11/Nov/2002
Test ID: CPT-A3
Project: HATHAWAY & PATTERSON

Client: TRC / M&E
Site: MANSFIELD



Maximum depth: 19.93 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

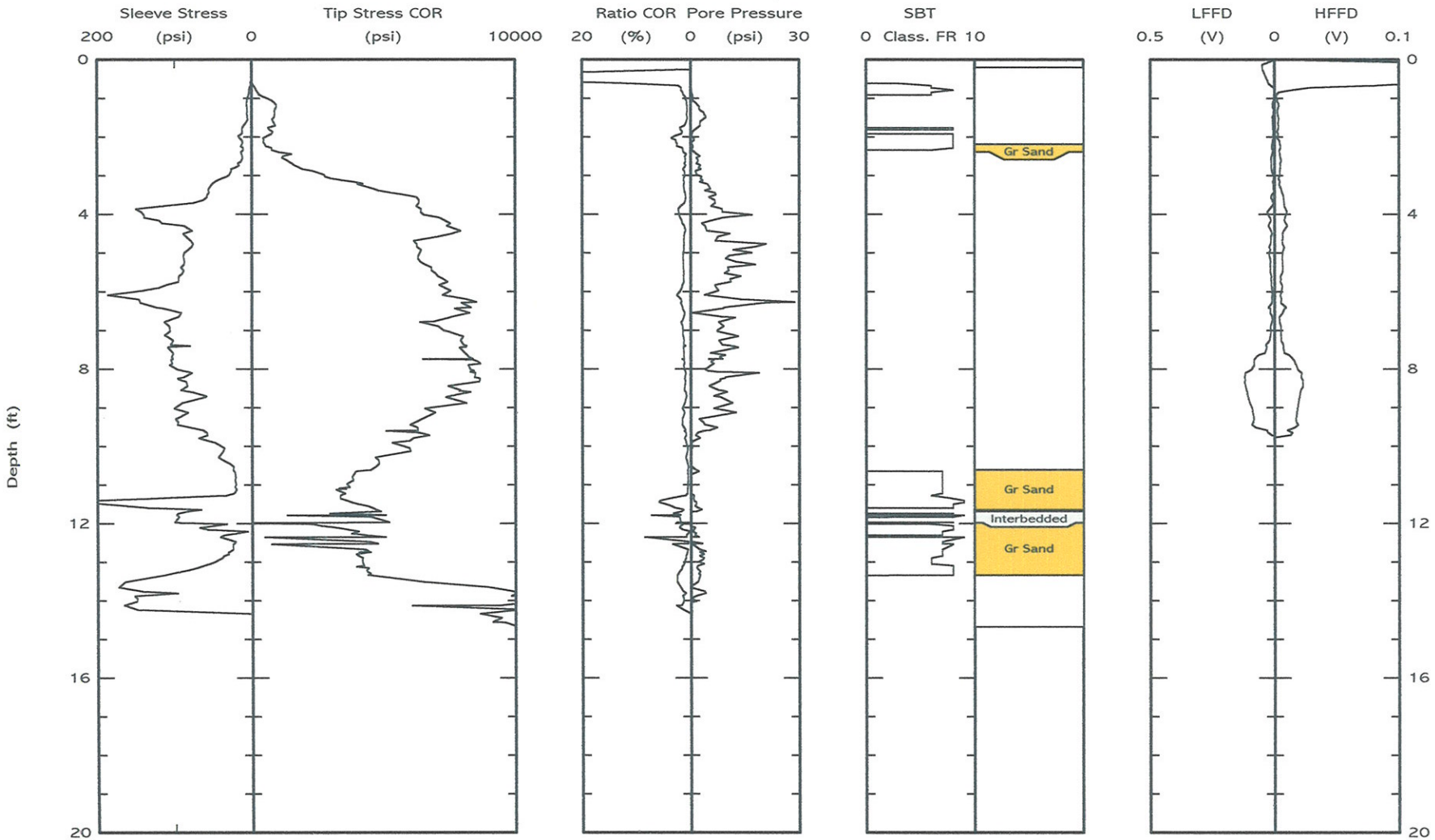
Test ID: CPT-A3
File: R11N0203C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 11/Nov/2002
Test ID: CPT-A4
Project: HATHAWAY & PATTERSON

Client: TRC /
Site: MANSFIELD



Maximum depth: 14.68 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

Test ID: CPT-A4
File: 411N0204C.ECP

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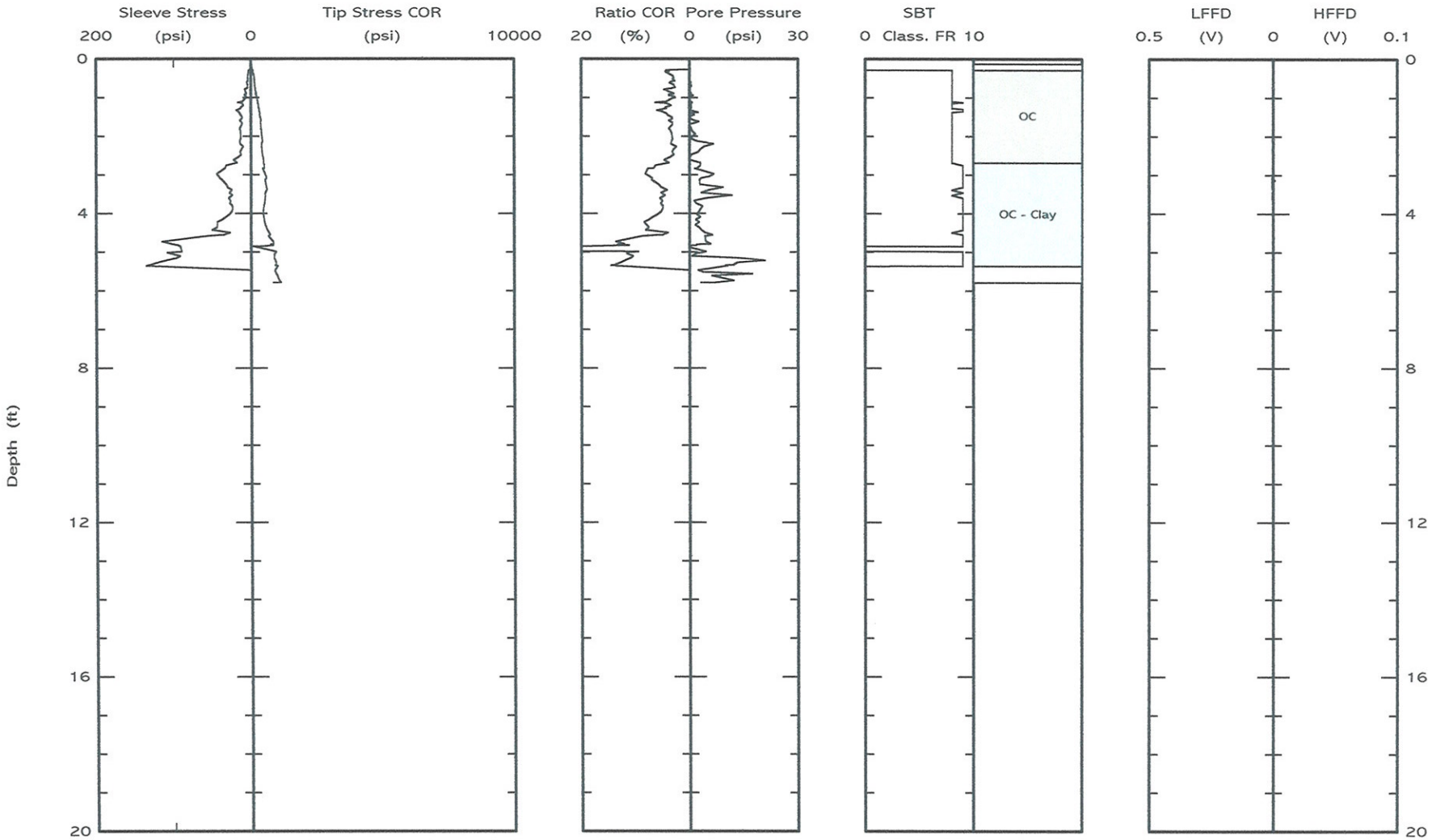
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-A5
Project: HATHAWAY & PATTERSON

Client: TRC /
Site: MANSFIELD



Maximum depth: 5.79 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

Test ID: CPT-A5
File: 413N0201C.ECP

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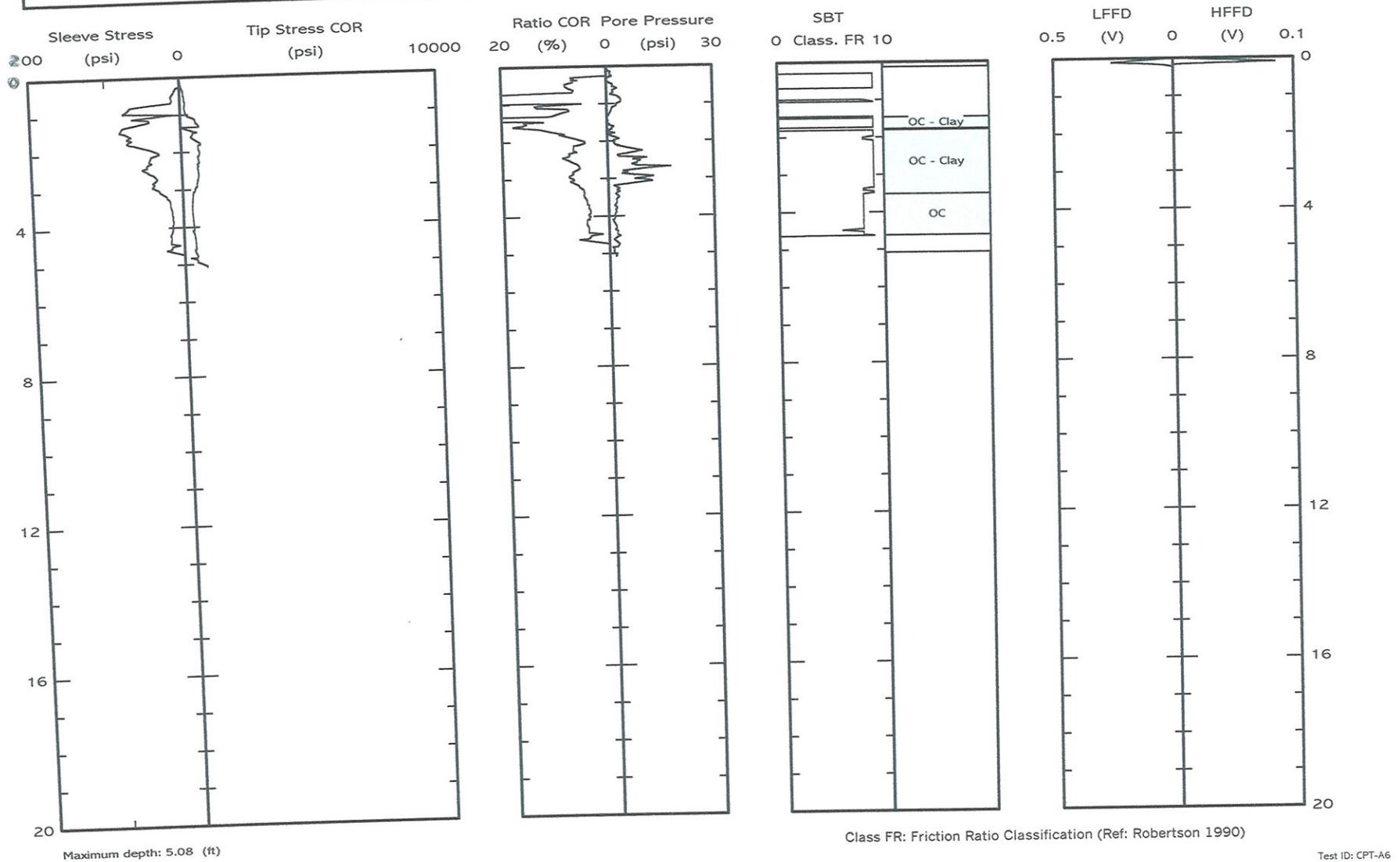
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-A6
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 5.08 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

Test ID: CPT-A6
File: 413N0202C.ECP

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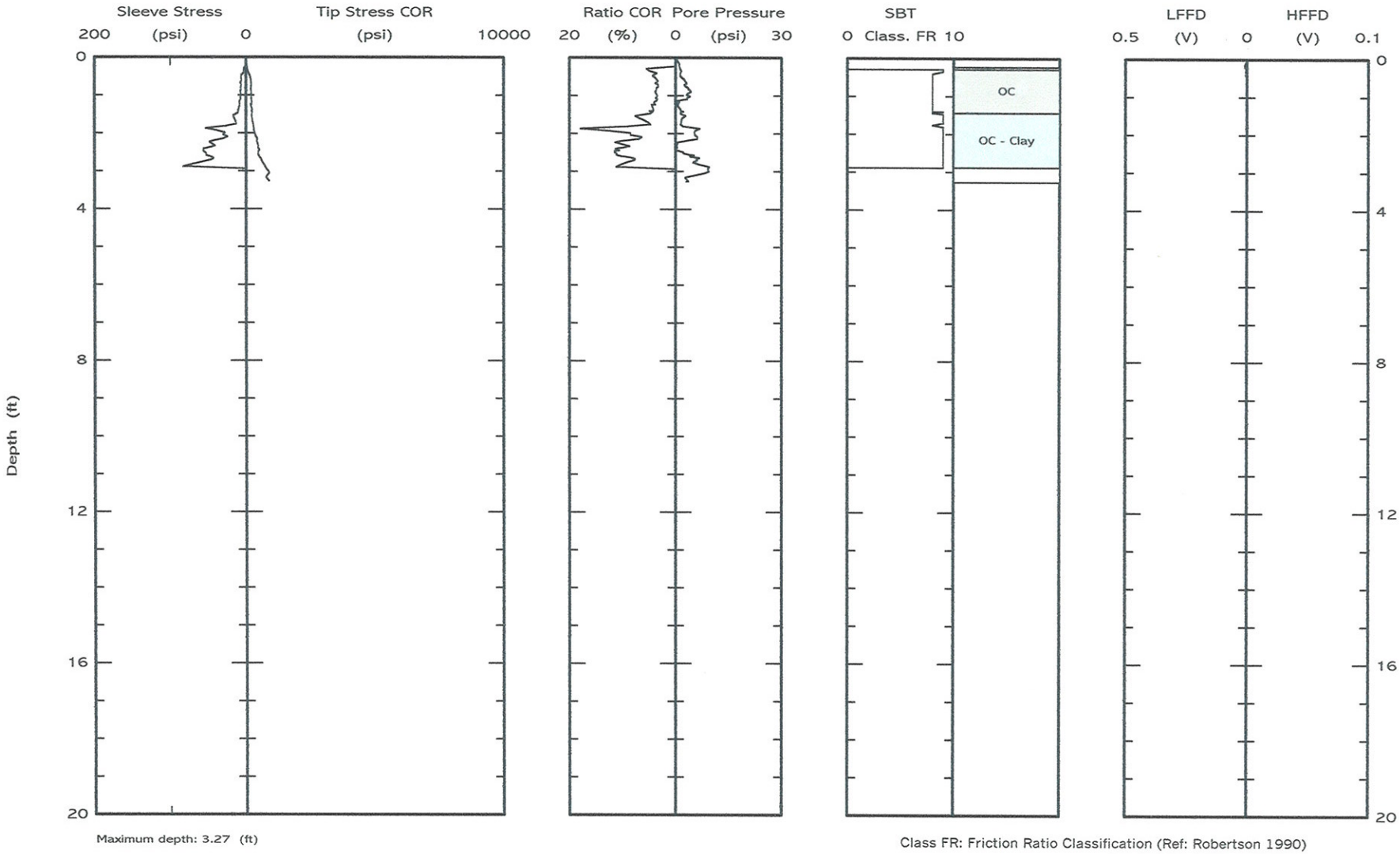
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-A7
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 3.27 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

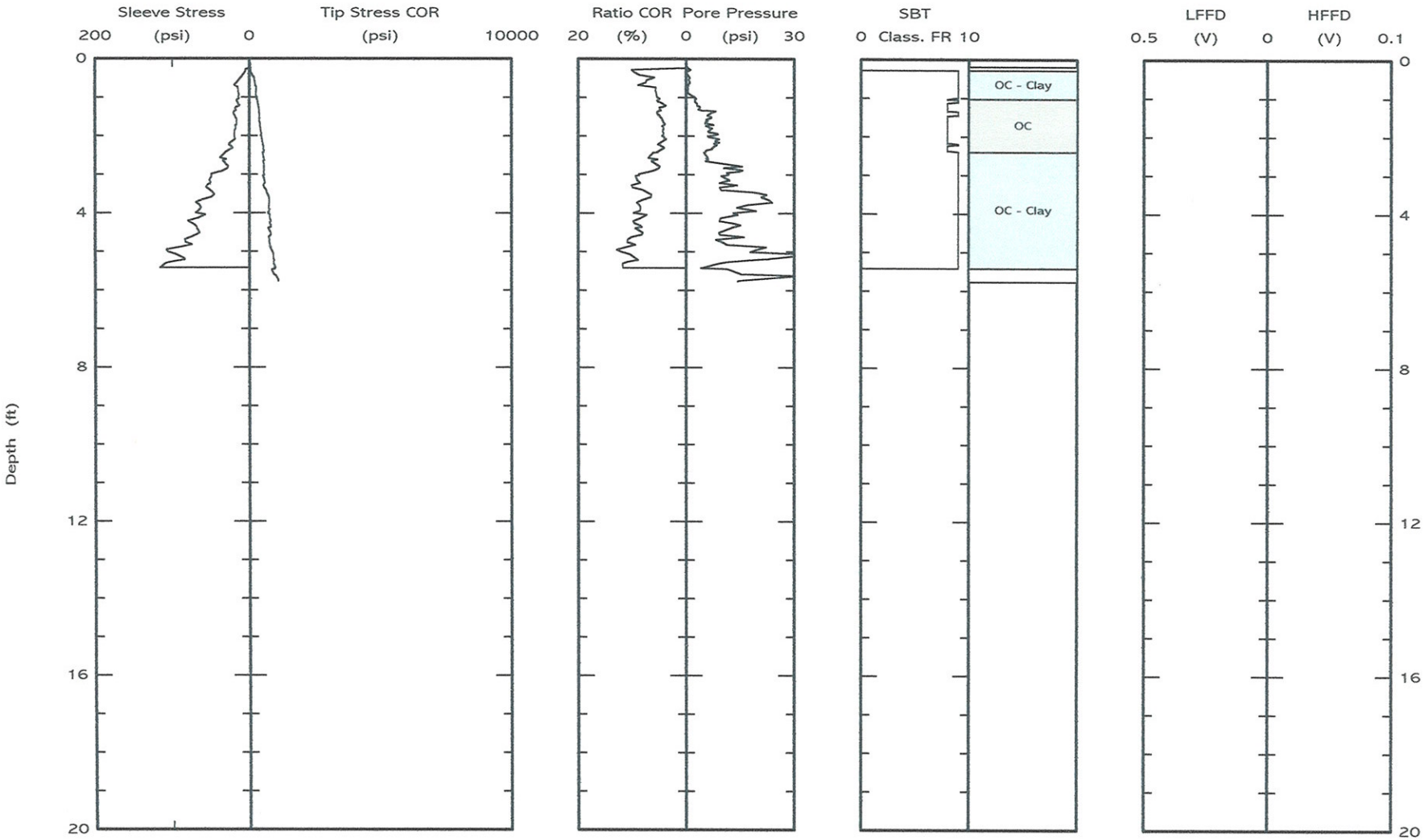
Test ID: CPT-A7
File: 413NO203C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-A8
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 5.77 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

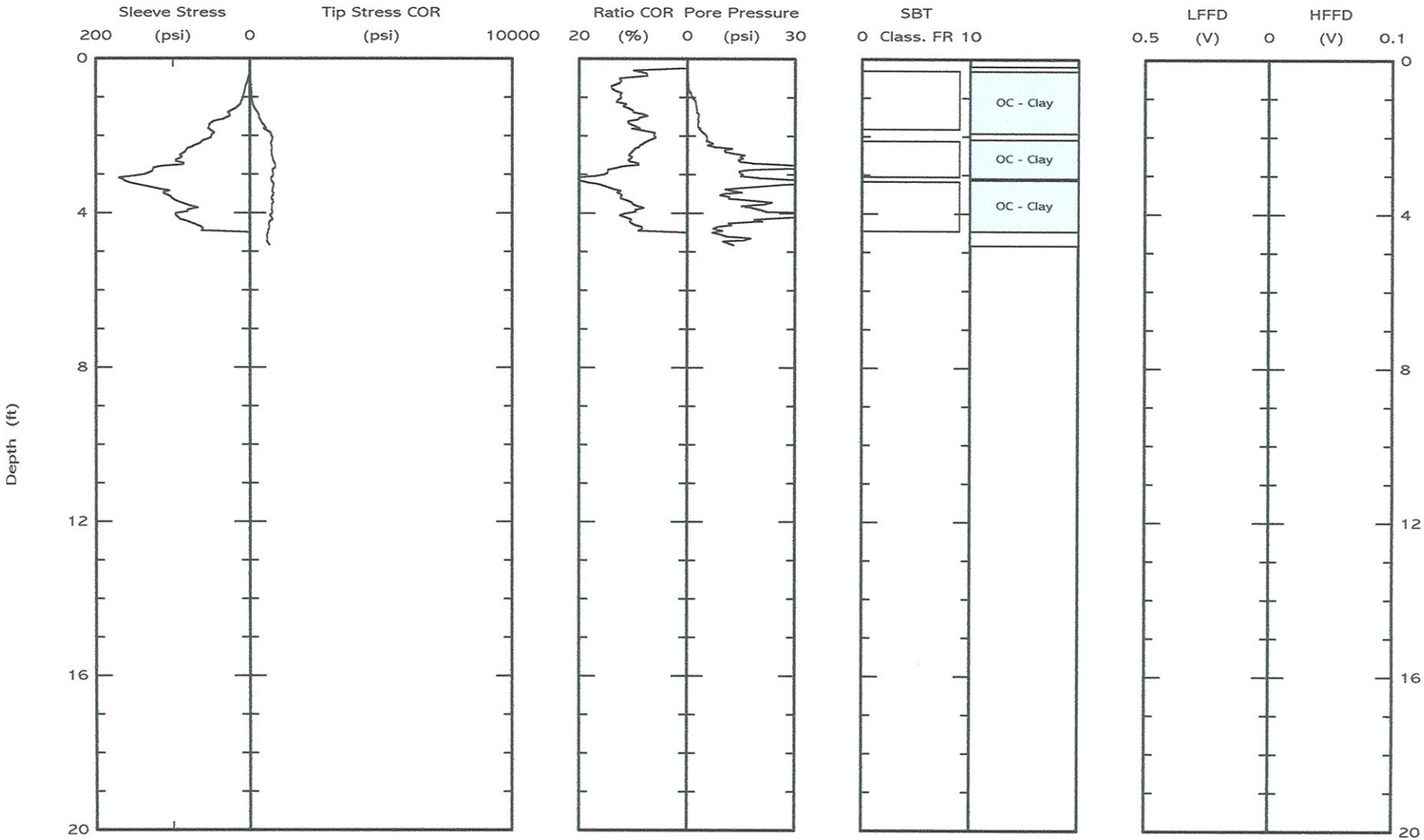
Test ID: CPT-A8
File: 413N0204C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-A10
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 4.83 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

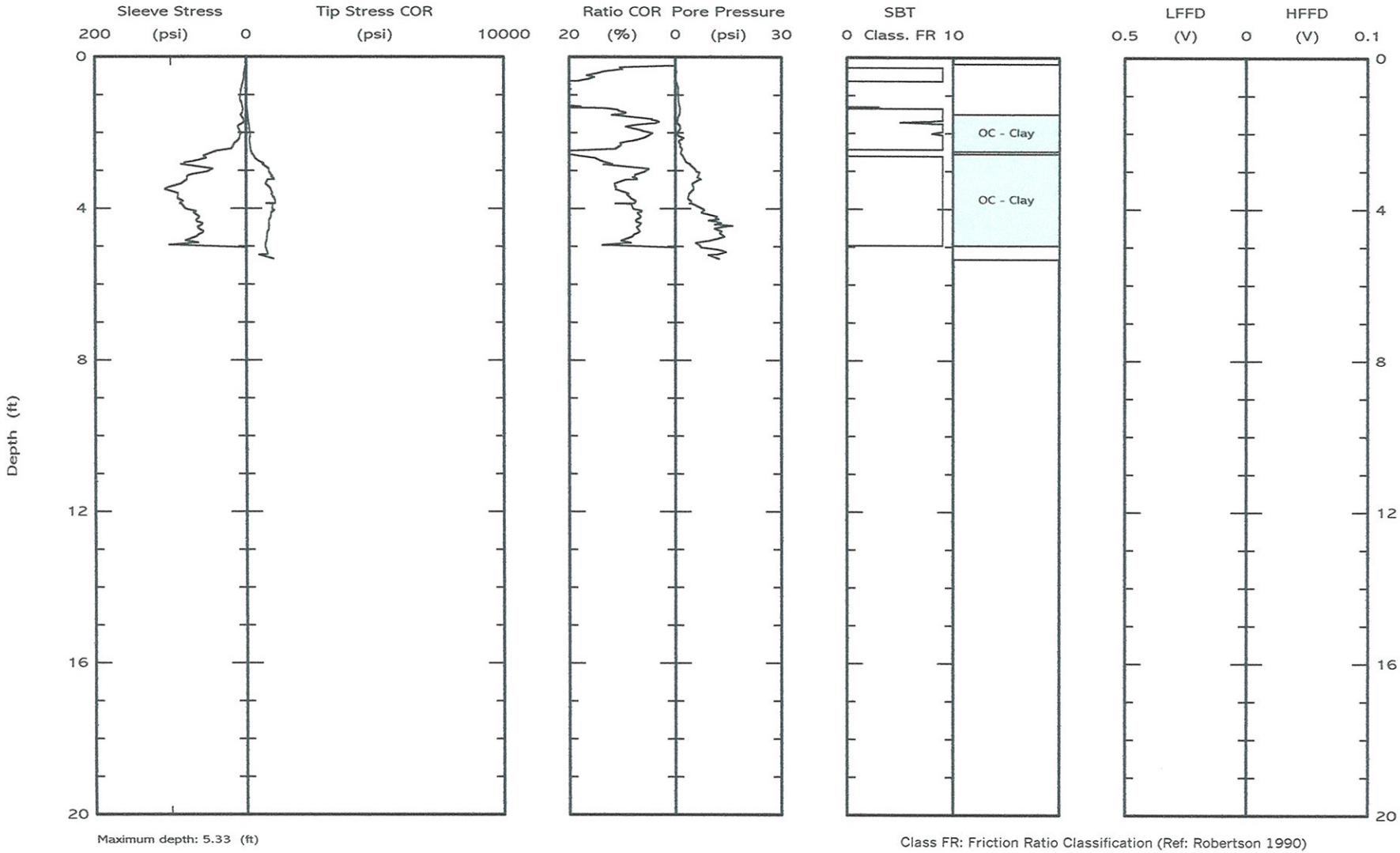
Test ID: CPT-A10
File: 413N0205C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-A11
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 5.33 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

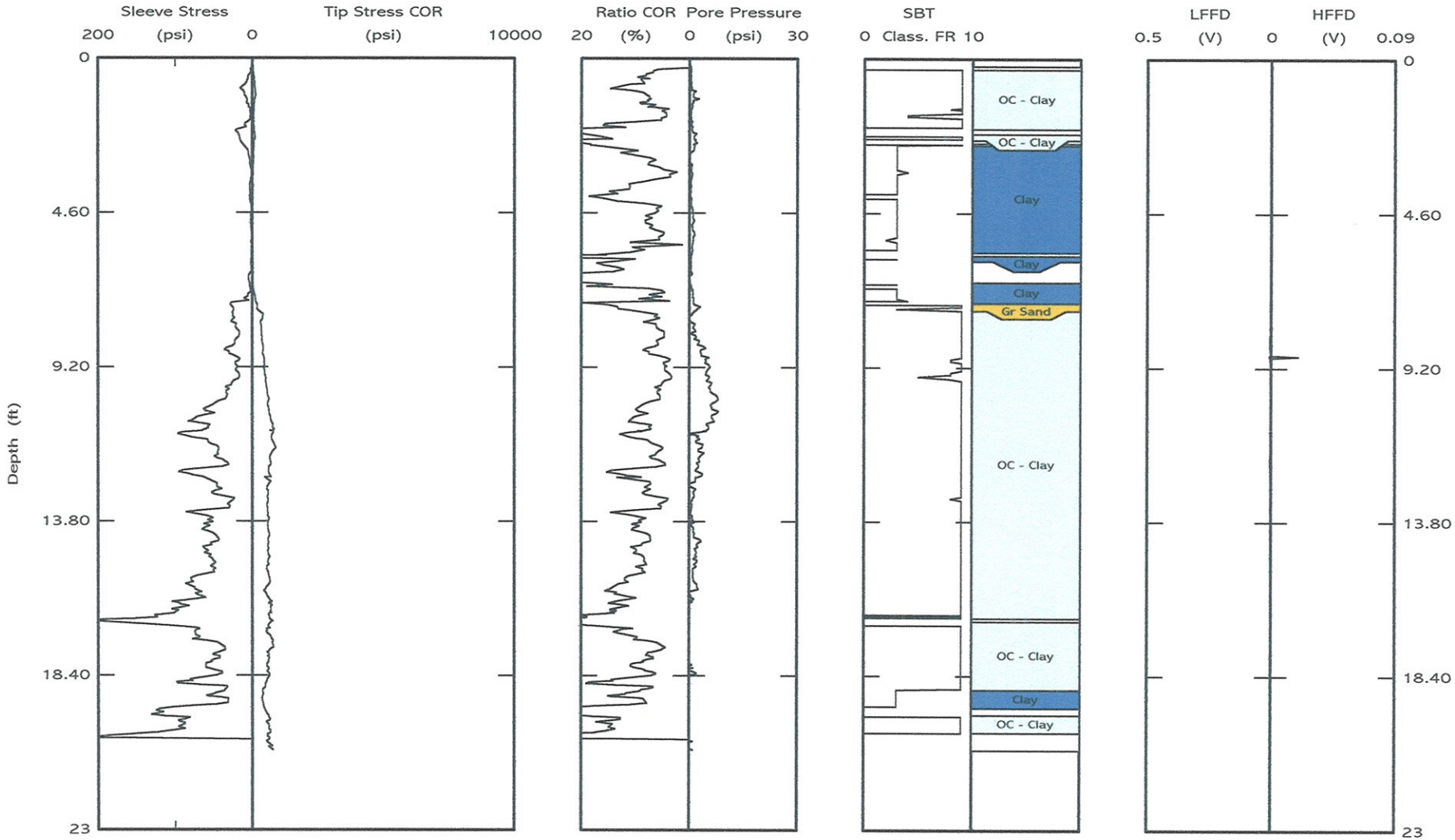
Test ID: CPT-A11
File: 413N0206C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-B01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 20.62 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

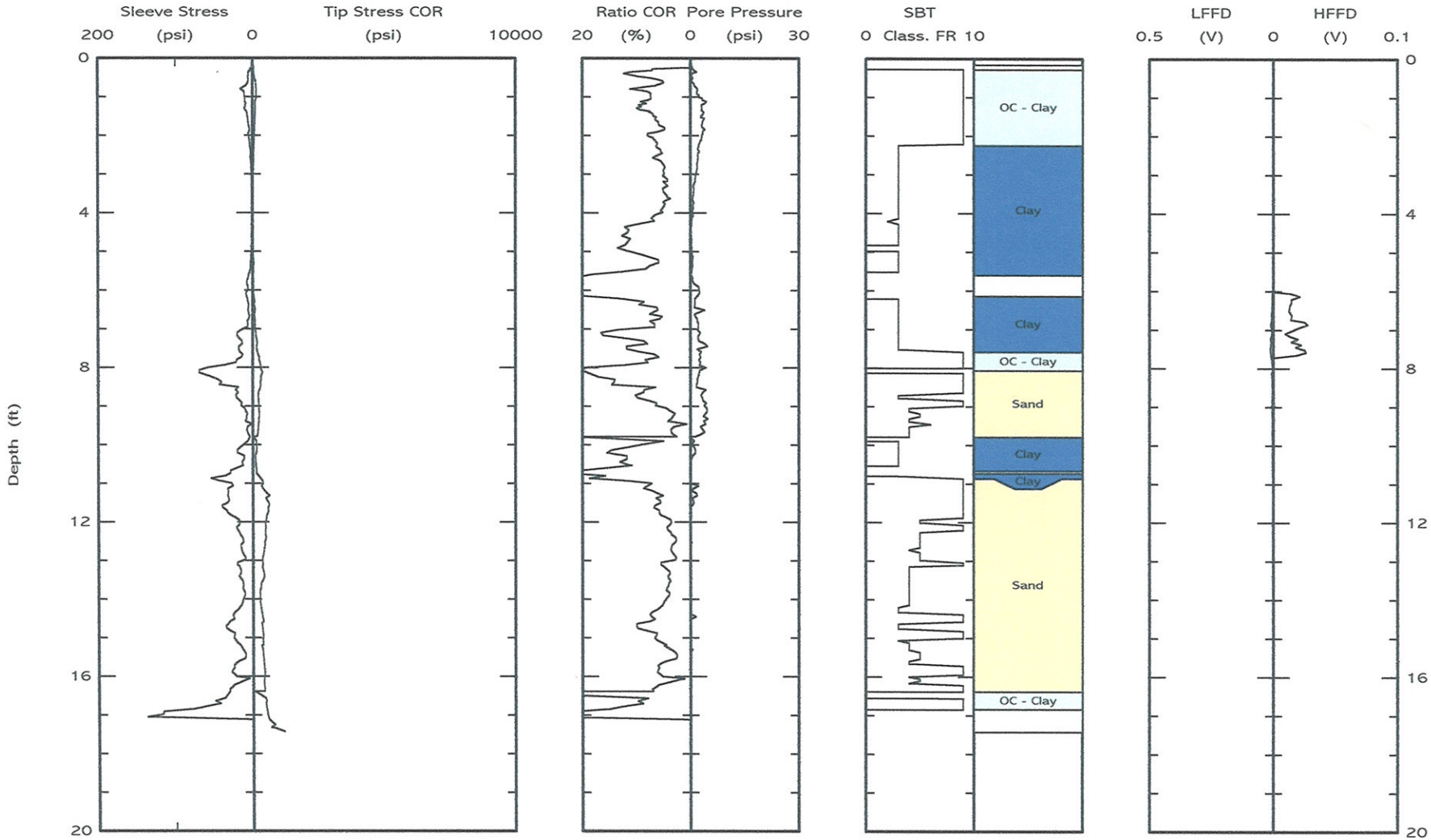
Test ID: CPT-B01
File: 413N0207C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-B02
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 17.43 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

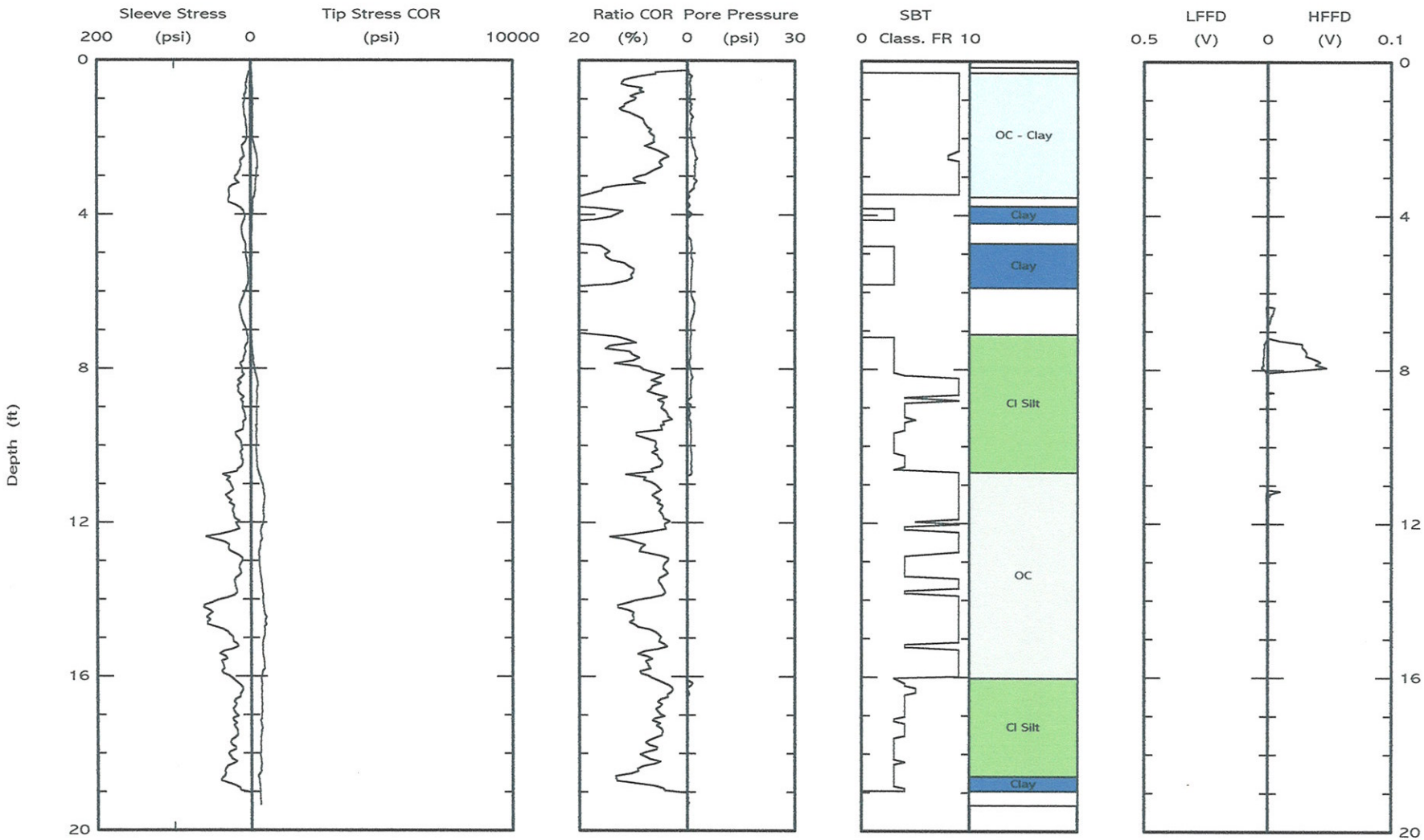
Test ID: CPT-B02
File: 413N0208C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-C01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 19.33 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

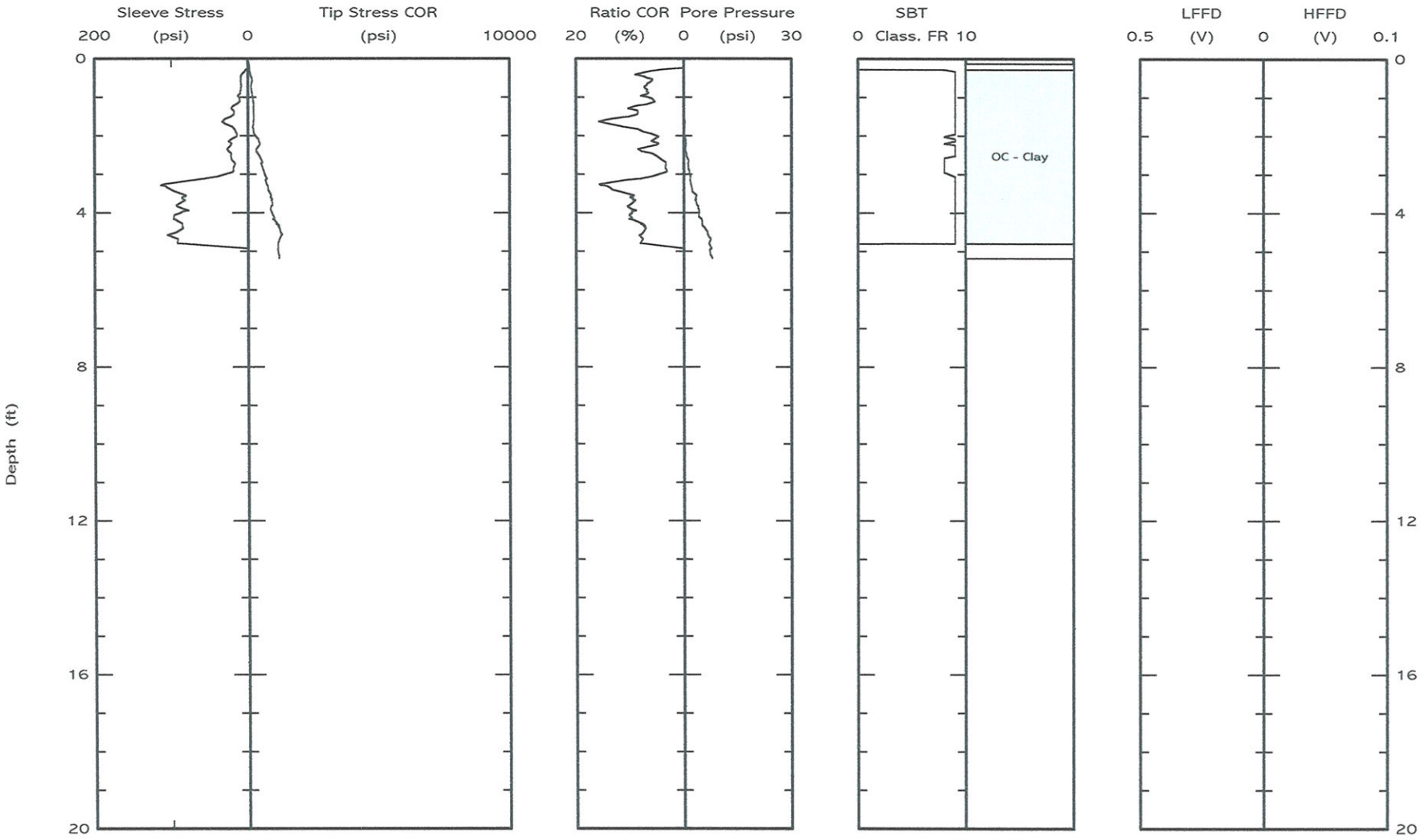
Test ID: CPT-C01
File: 413N0209C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 15/Nov/2002
Test ID: CPT-C-03
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 5.18 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

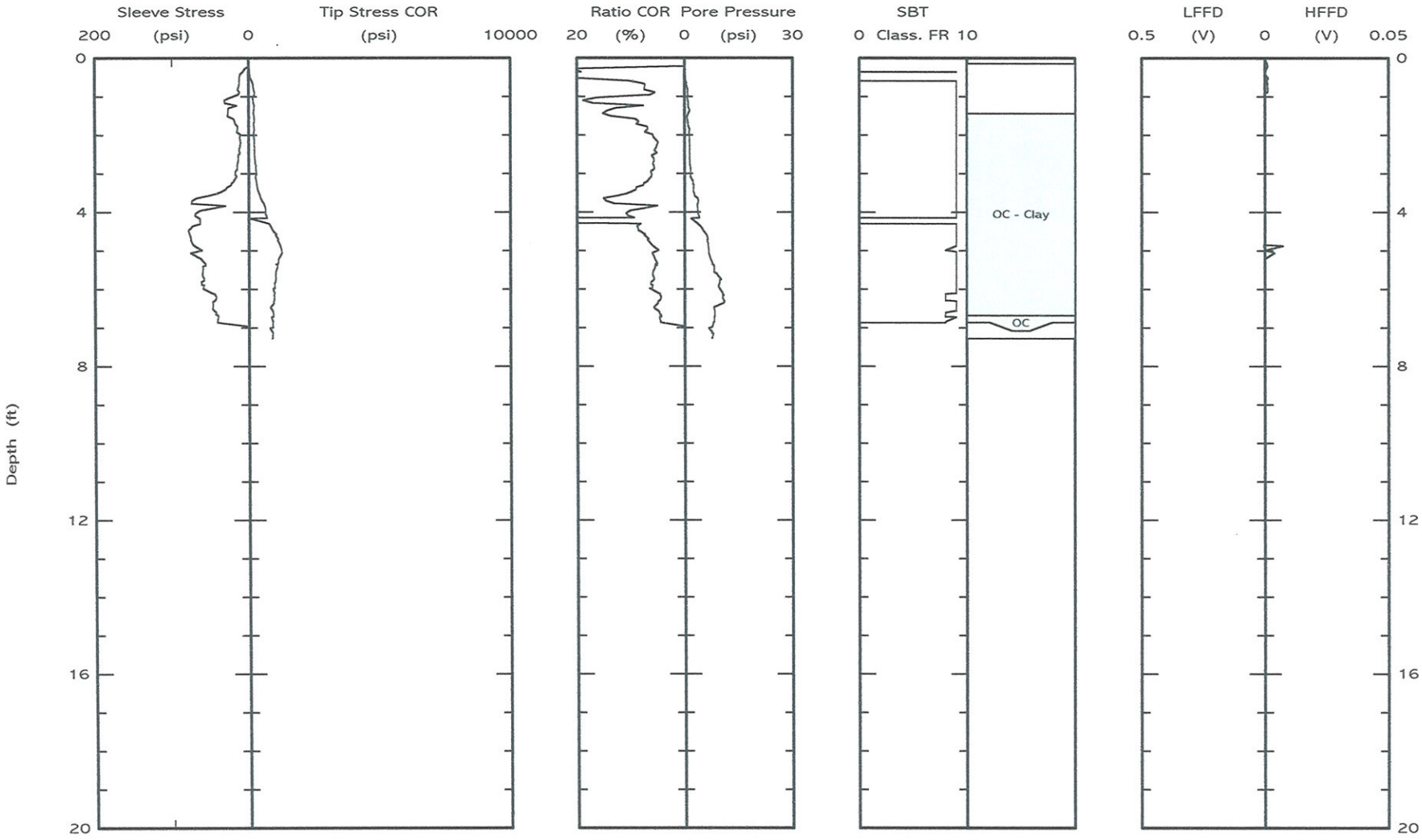
Test ID: CPT-C-03
File: 415N0203C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 15/Nov/2002
Test ID: CPT-C-04
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 7.28 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

Test ID: CPT-C-04
File: 415N0202C.ECP

Applied Research Associates
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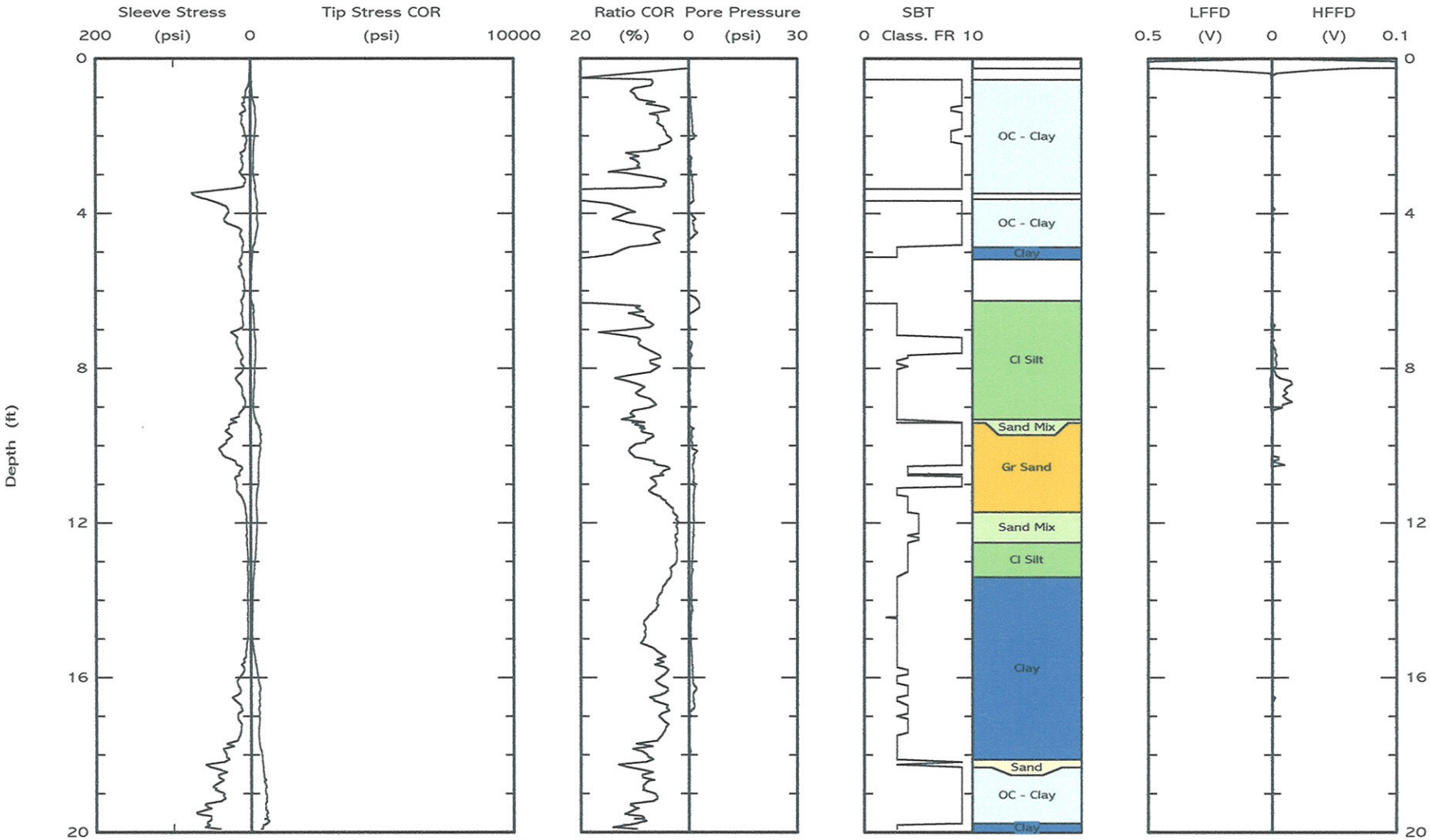
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-D01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 23.21 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

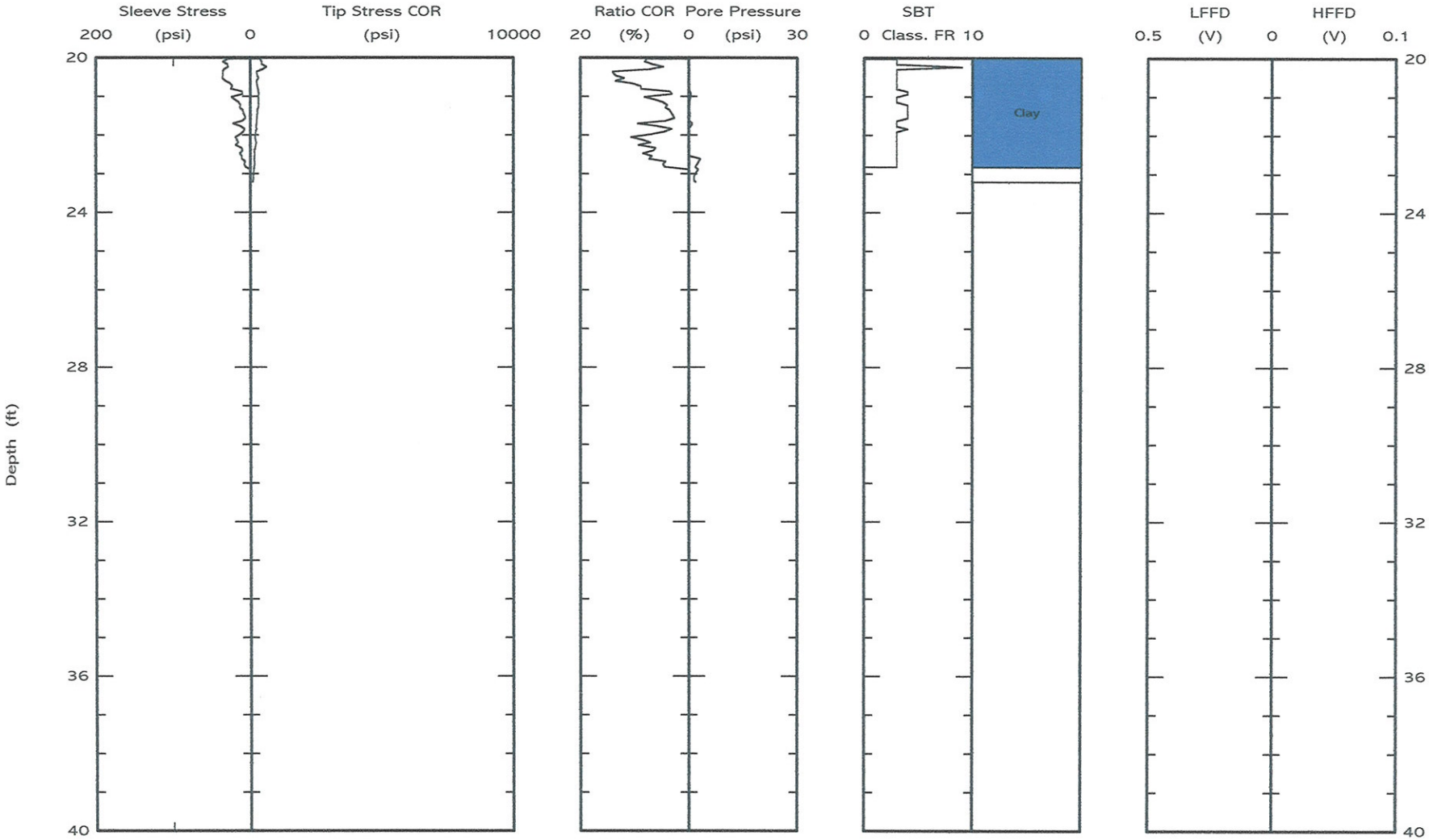
Test ID: CPT-D01
File: 413N0210C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-D01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 23.21 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

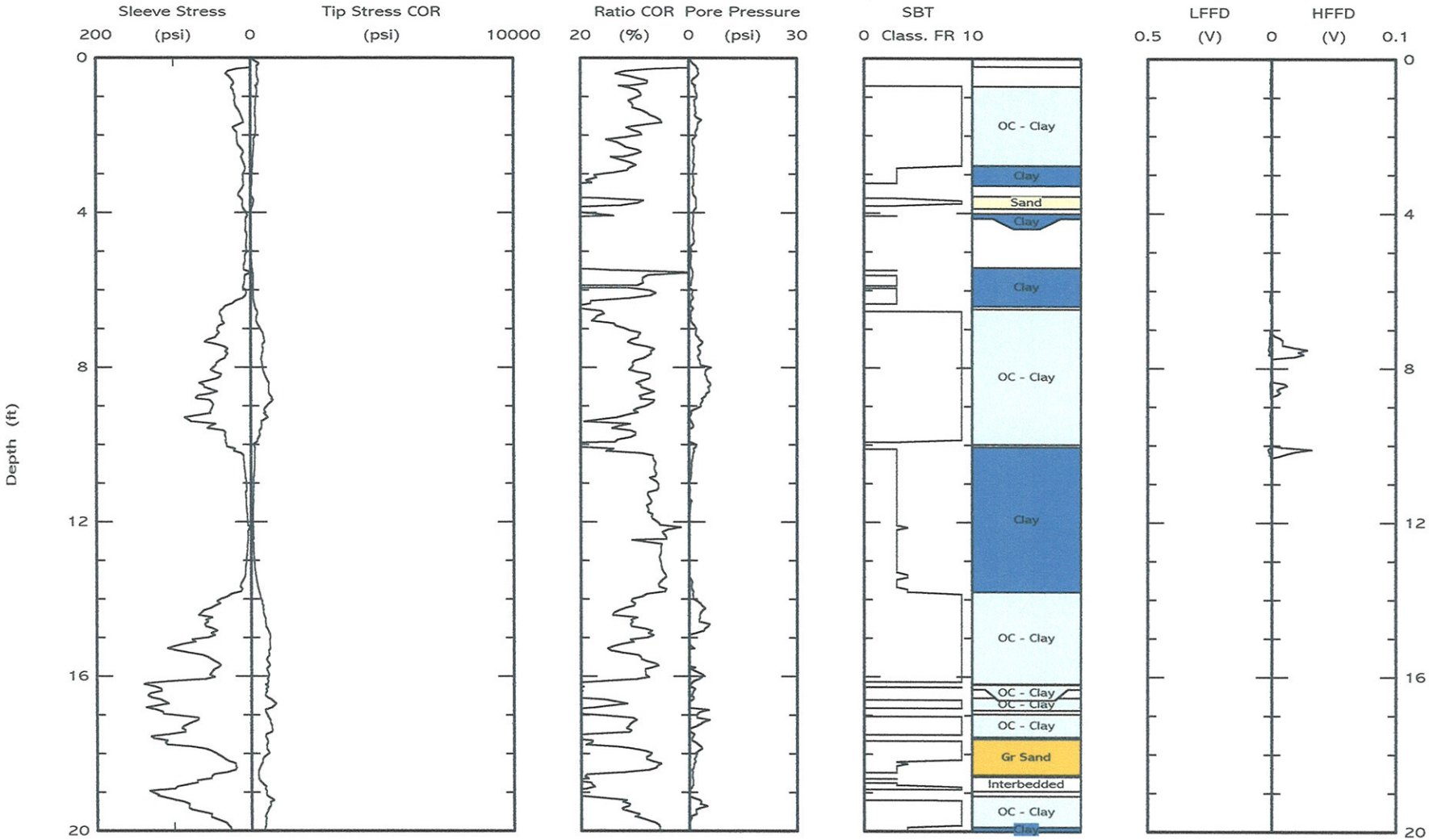
Test ID: CPT-D01
File: 413N0210C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-D02
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 22.22 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

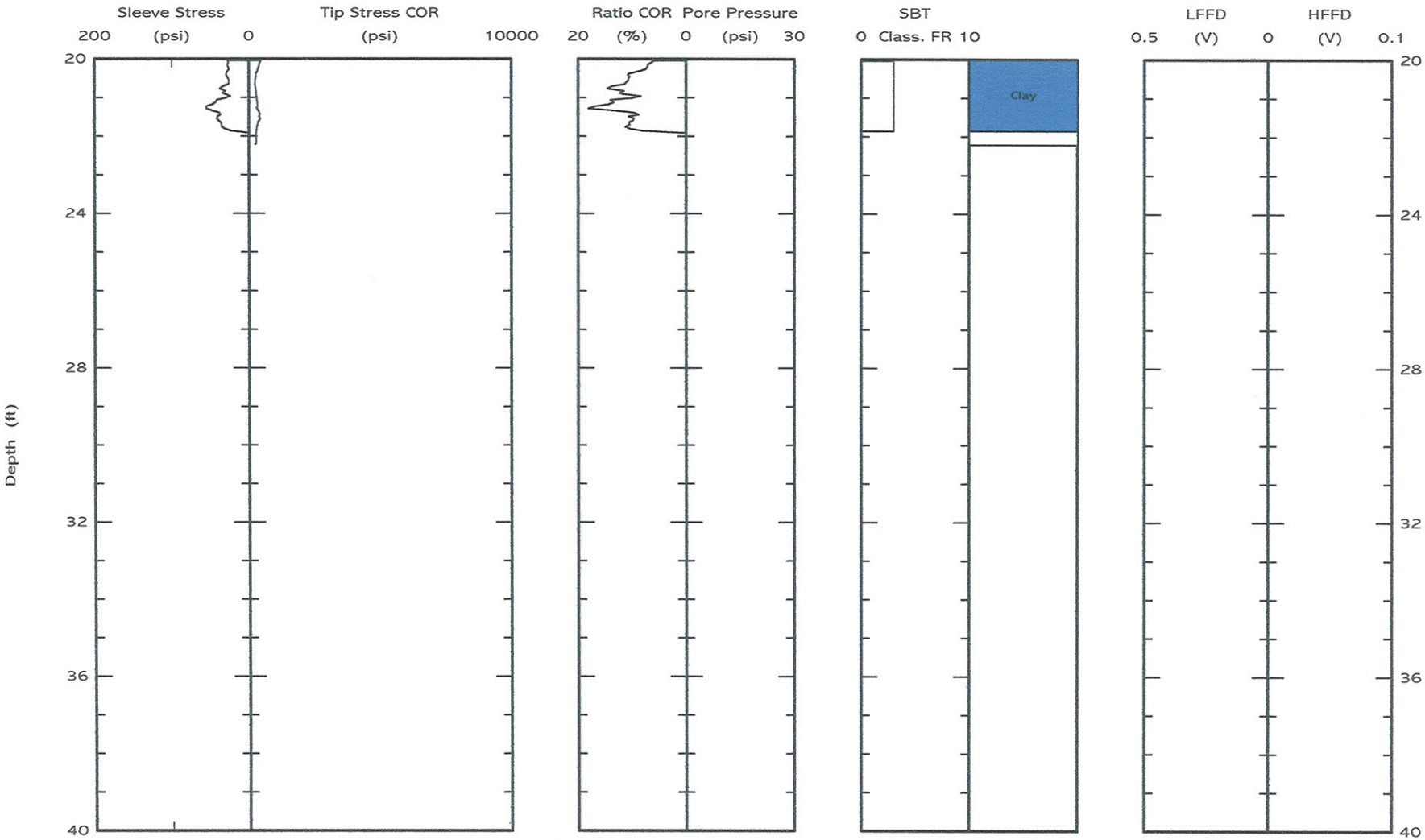
Test ID: CPT-D02
File: 413N0211C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-D02
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 22.22 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

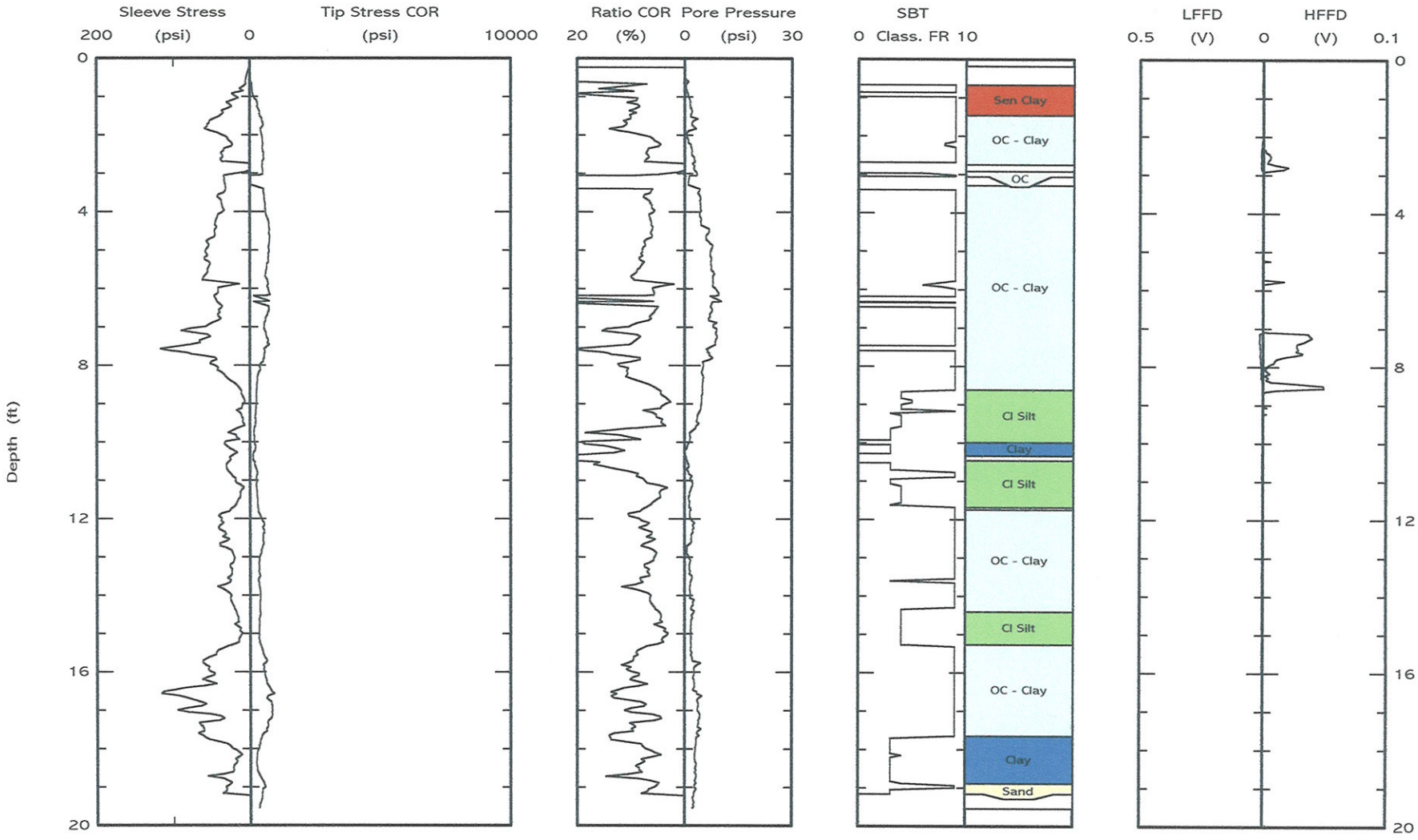
Test ID: CPT-D02
File: 413N0211C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-D03
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 19.54 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

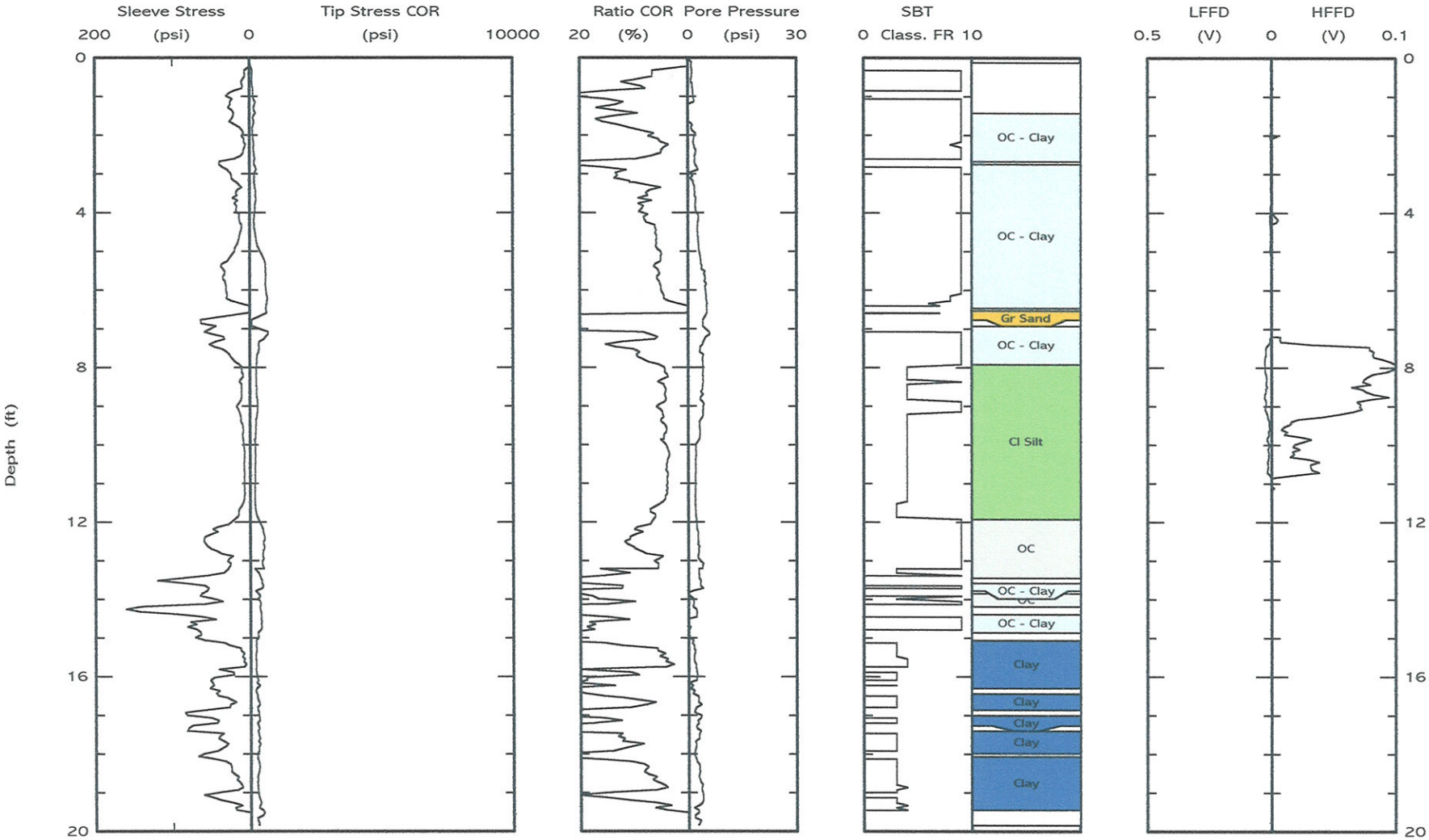
Test ID: CPT-D03
File: 413N0212C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-D04
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 19.84 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

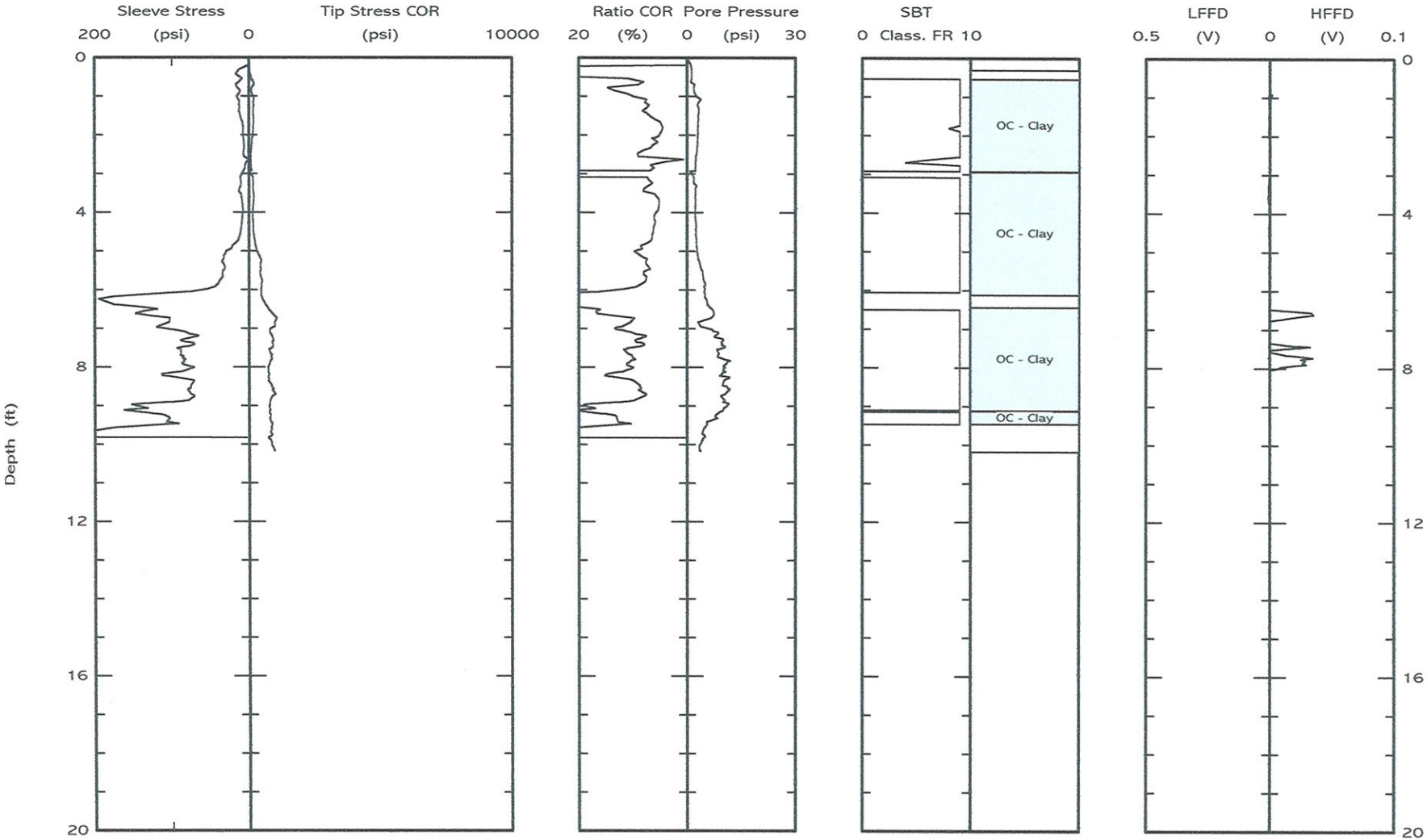
Test ID: CPT-D04
File: 413N0213C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 13/Nov/2002
Test ID: CPT-D05
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 10.18 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

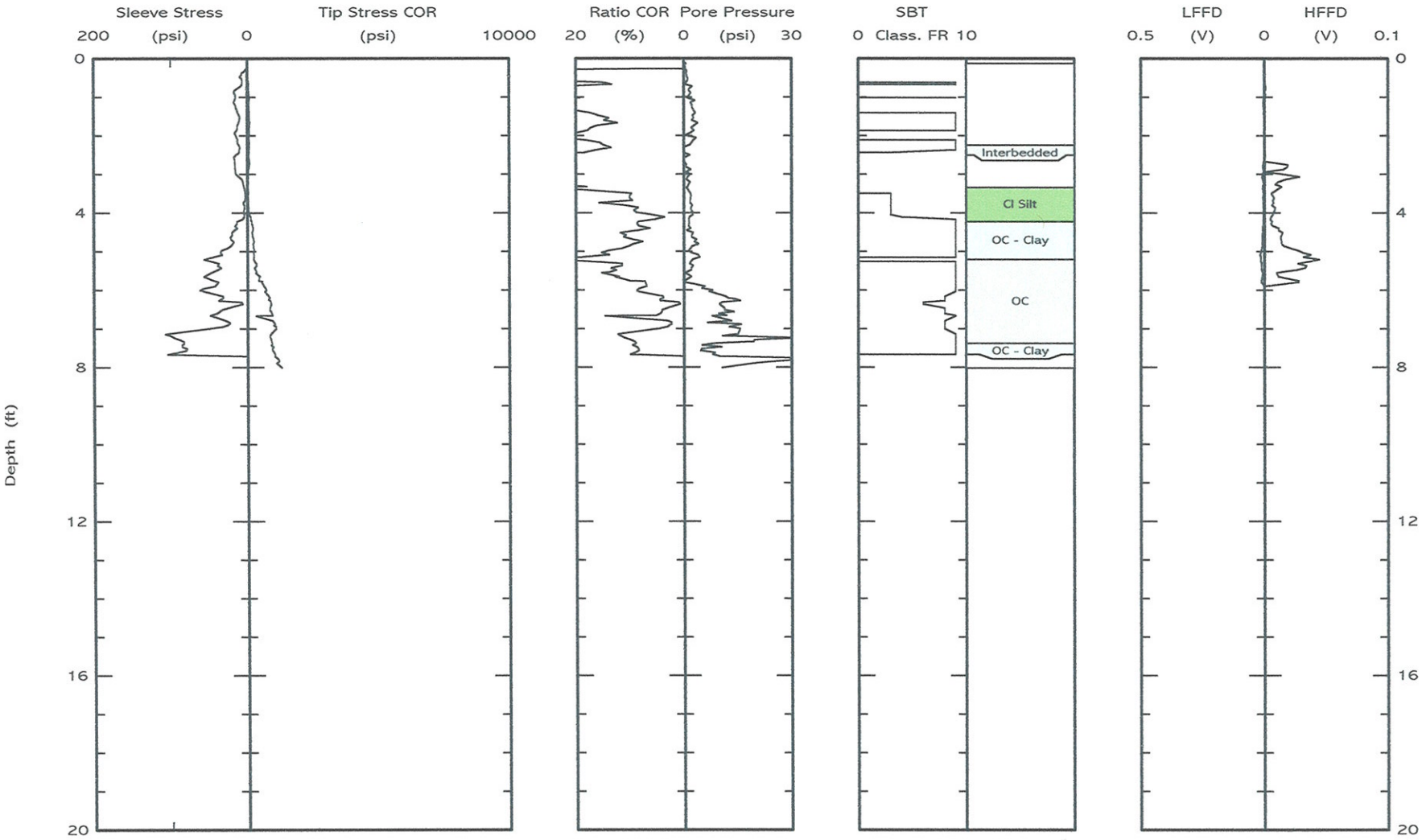
Test ID: CPT-D05
File: 413N0214C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-D06
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 8.02 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

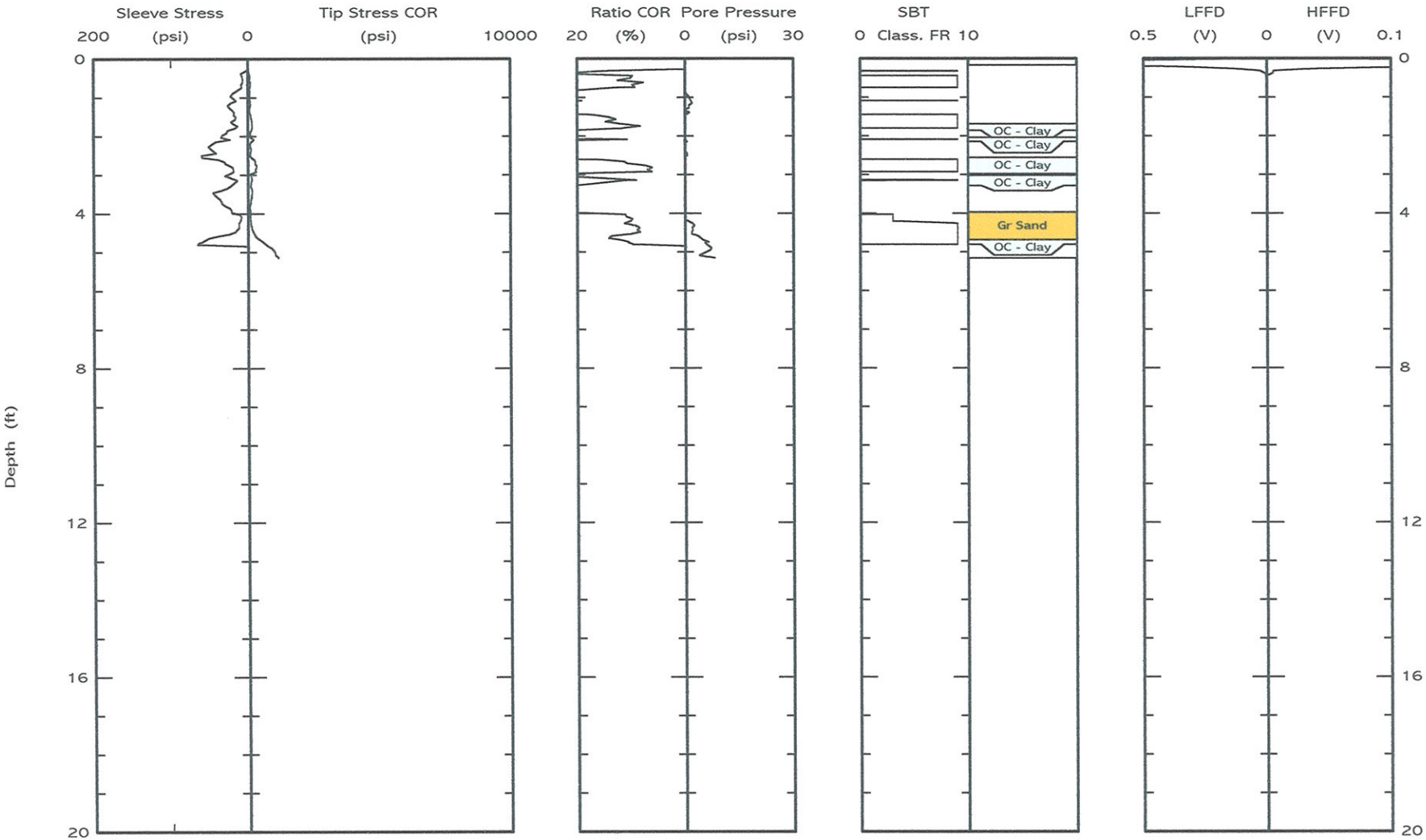
Test ID: CPT-D06
File: 414N0204C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-D09
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 5.16 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

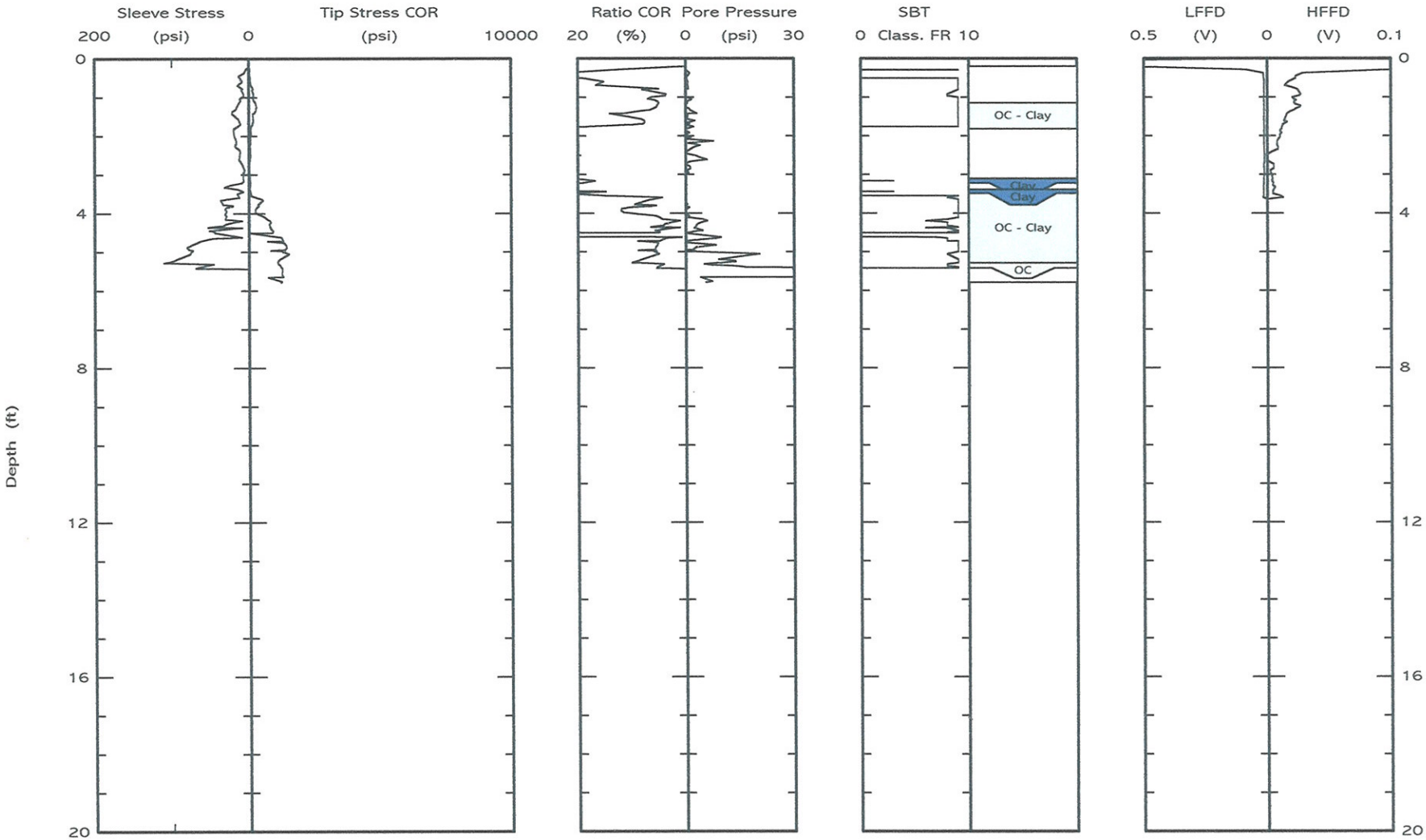
Test ID: CPT-D09
File: 414N0202C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-D10
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 5.79 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

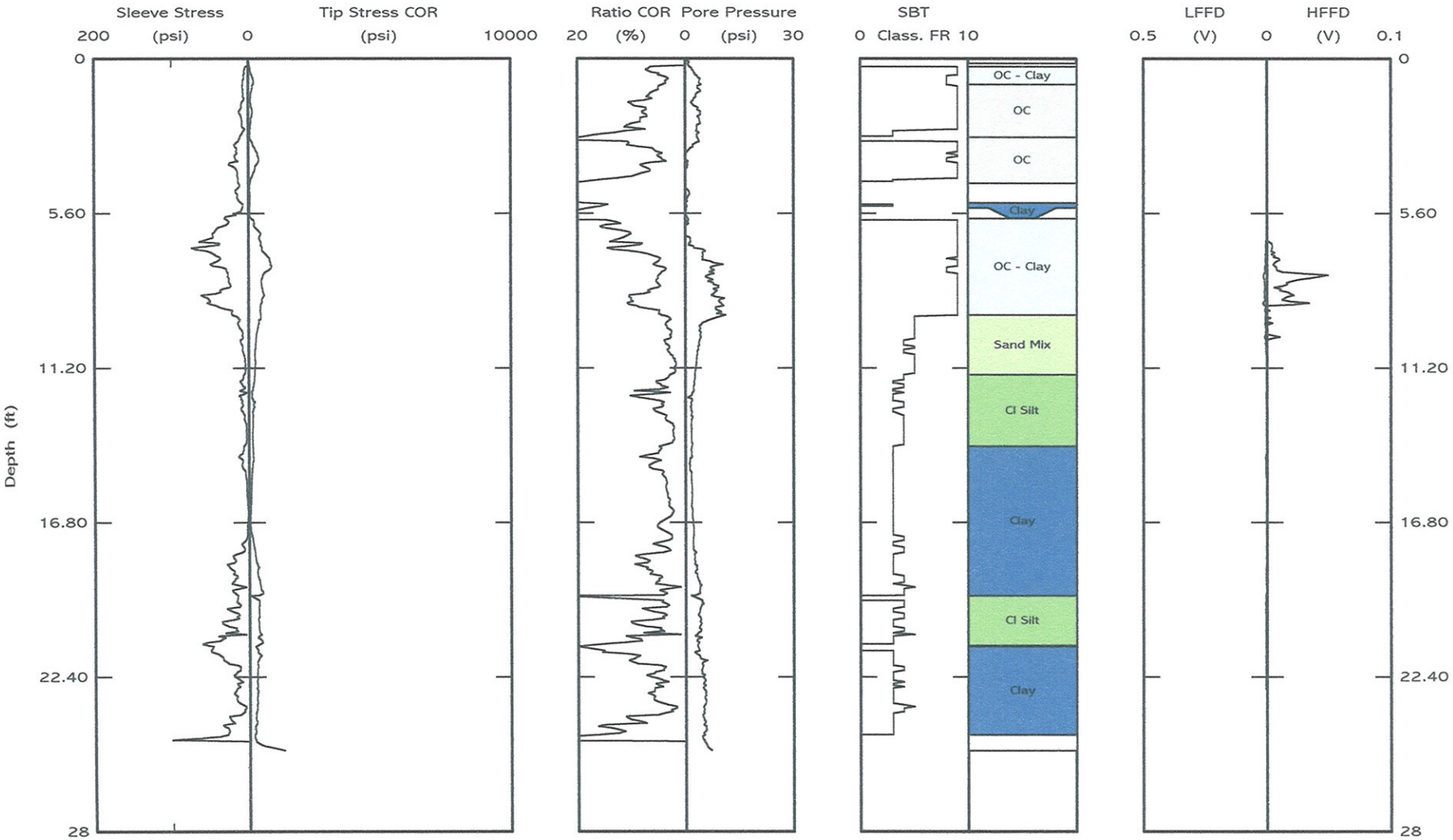
Test ID: CPT-D10
File: 414N0201C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-E01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 25.07 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

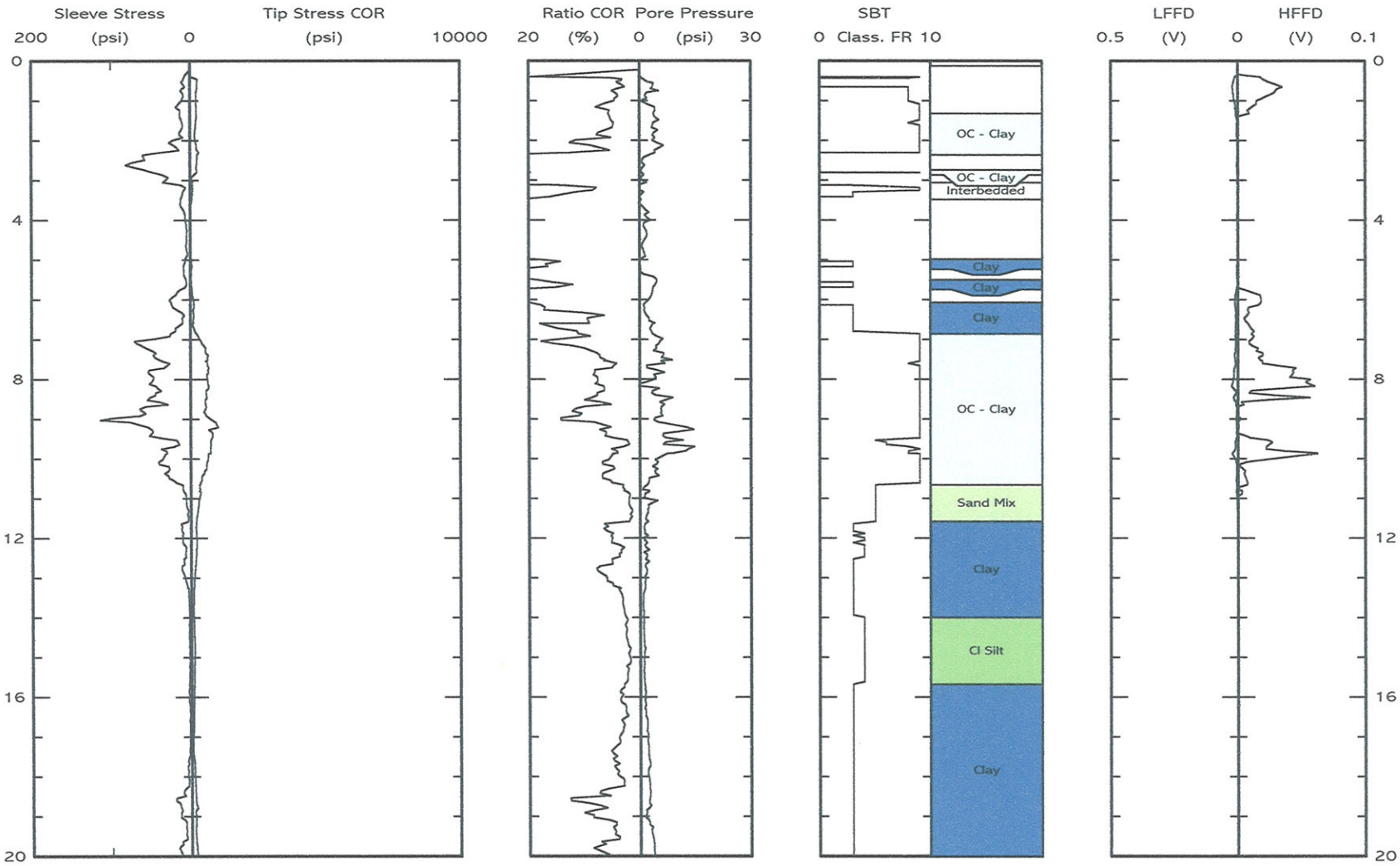
Test ID: CPT-E01
File: 414N0206C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-E-02
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 30.34 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

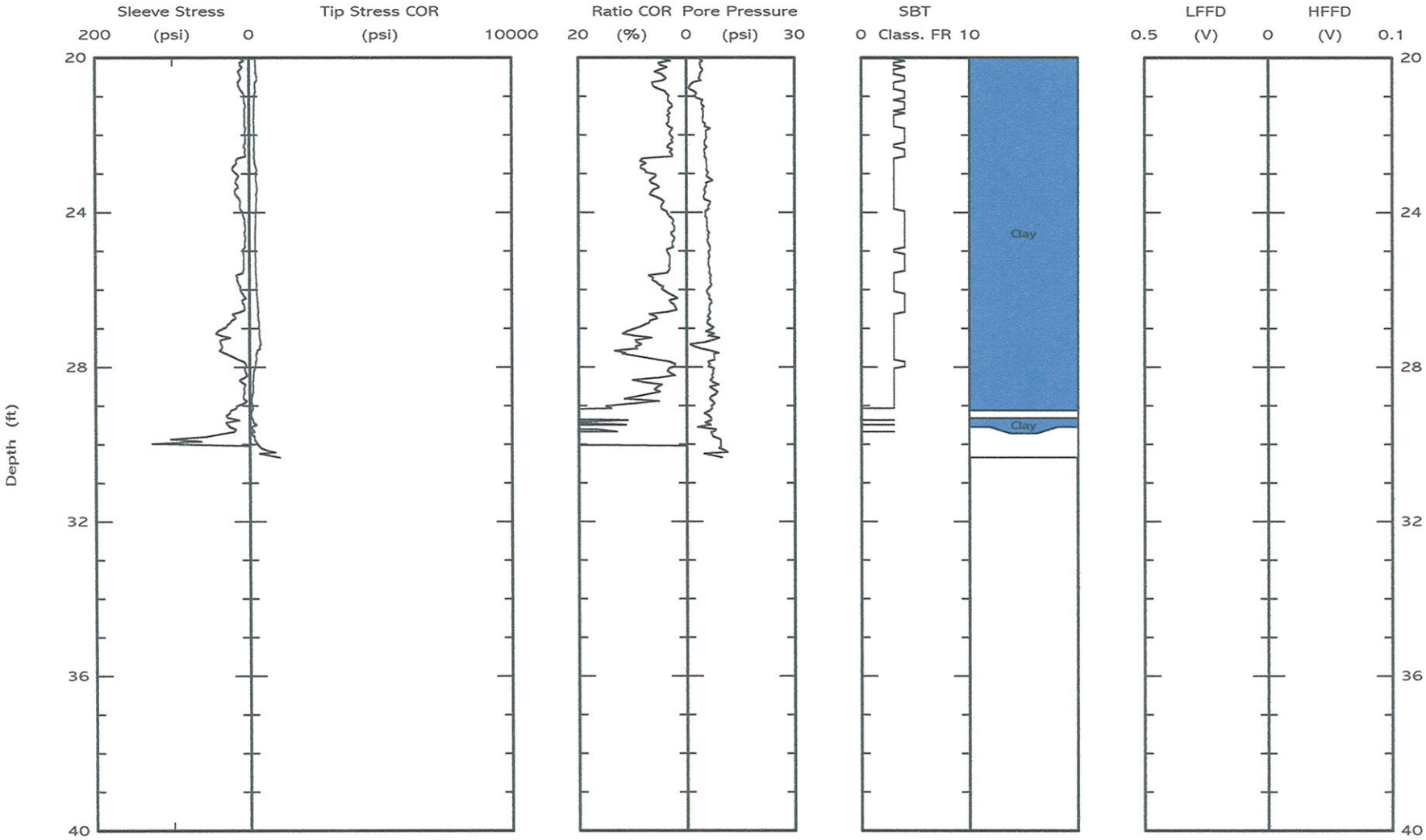
Test ID: CPT-E-02
File: 414N0205C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-E-02
Project: HATH

Client: TRC /
Site: MANSFIELD



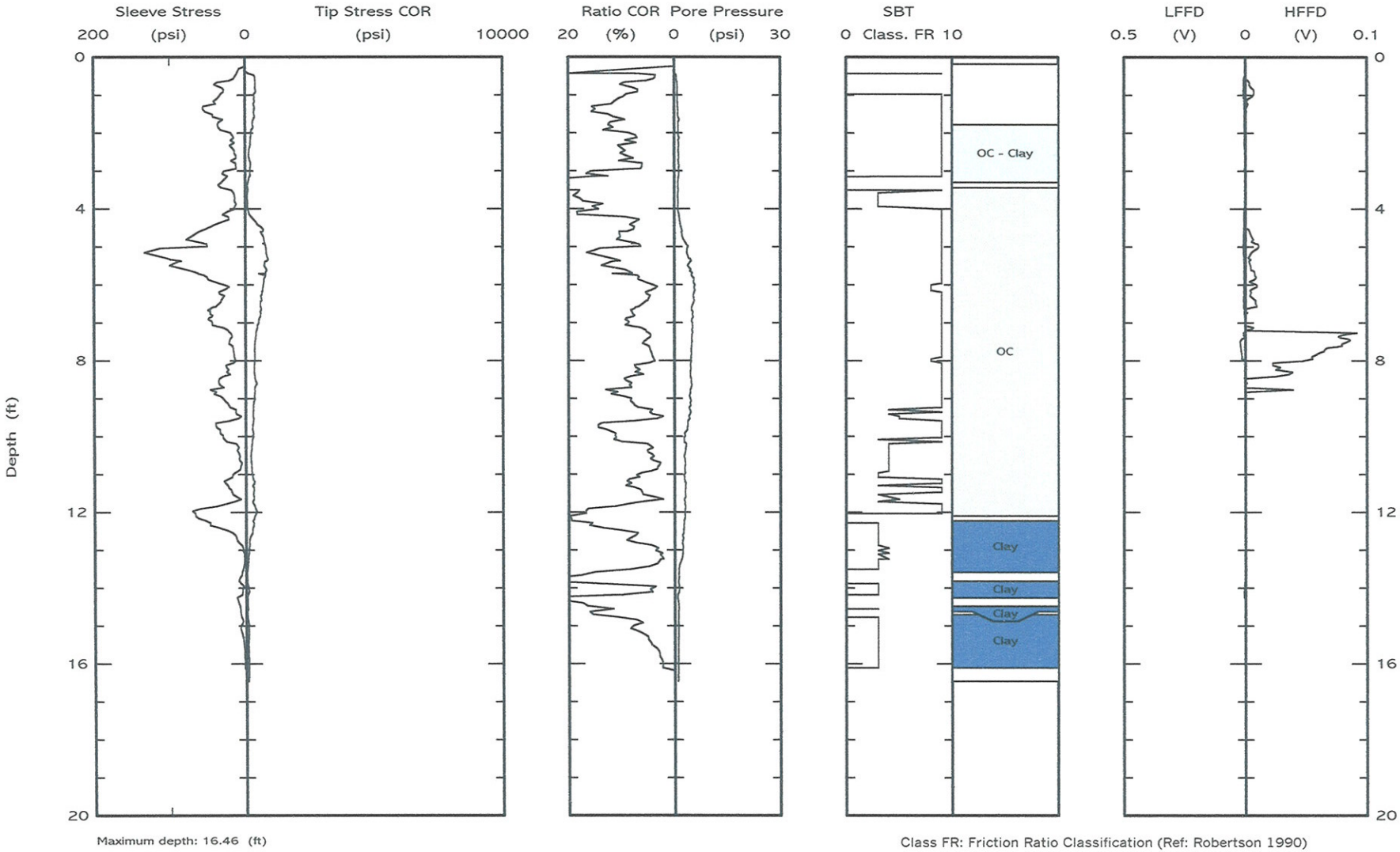
Maximum depth: 30.34 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

Test ID: CPT-E-02
File: 414N0205C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:	Date: 15/Nov/2002
Easting:	Test ID: CPT-E03
Elevation:	Project: HATH
Client: TRC /	
Site: MANSFIELD	



Maximum depth: 16.46 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

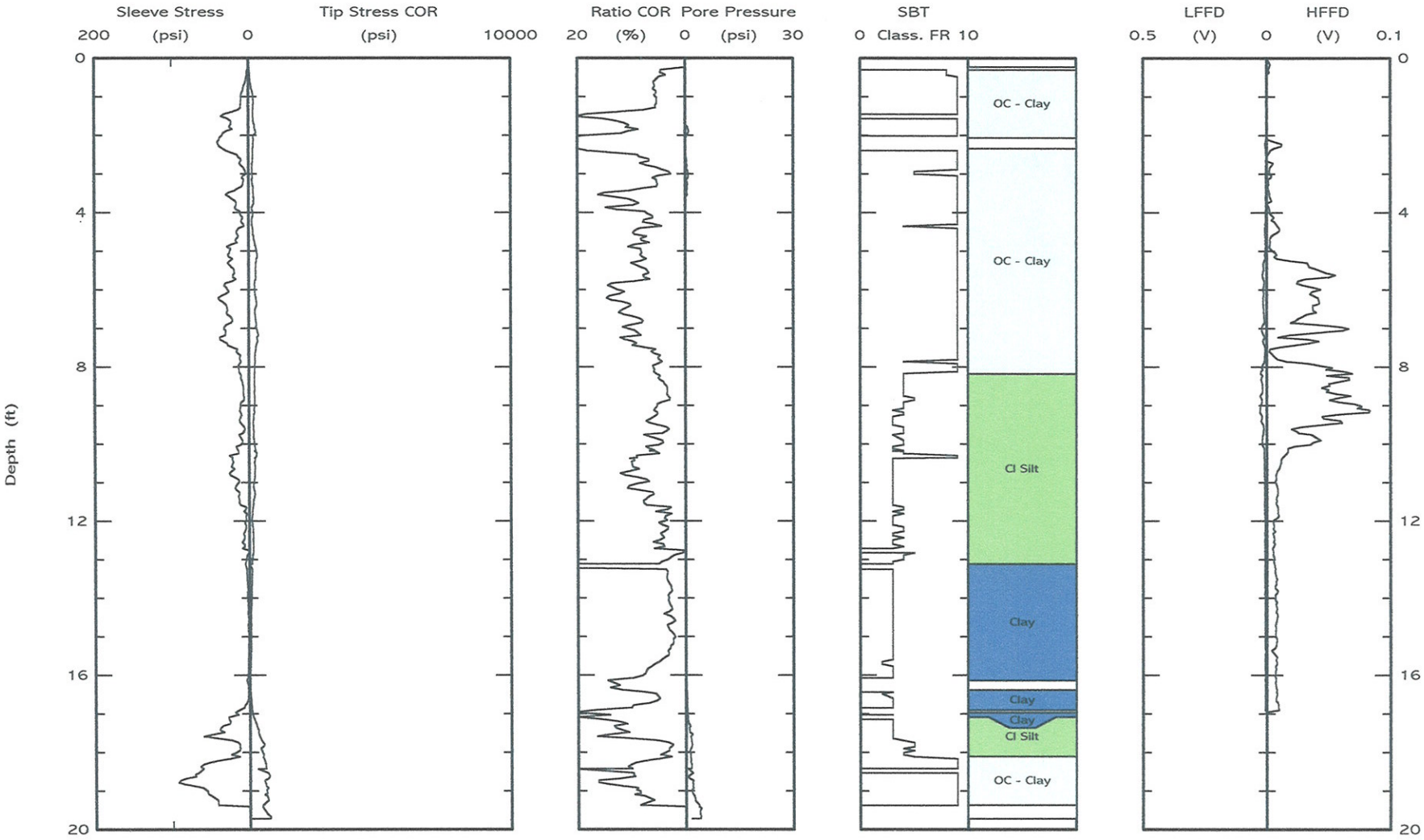
Test ID: CPT-E03
File: 415N0204C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 15/Nov/2002
Test ID: CPT-E04
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 19.72 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

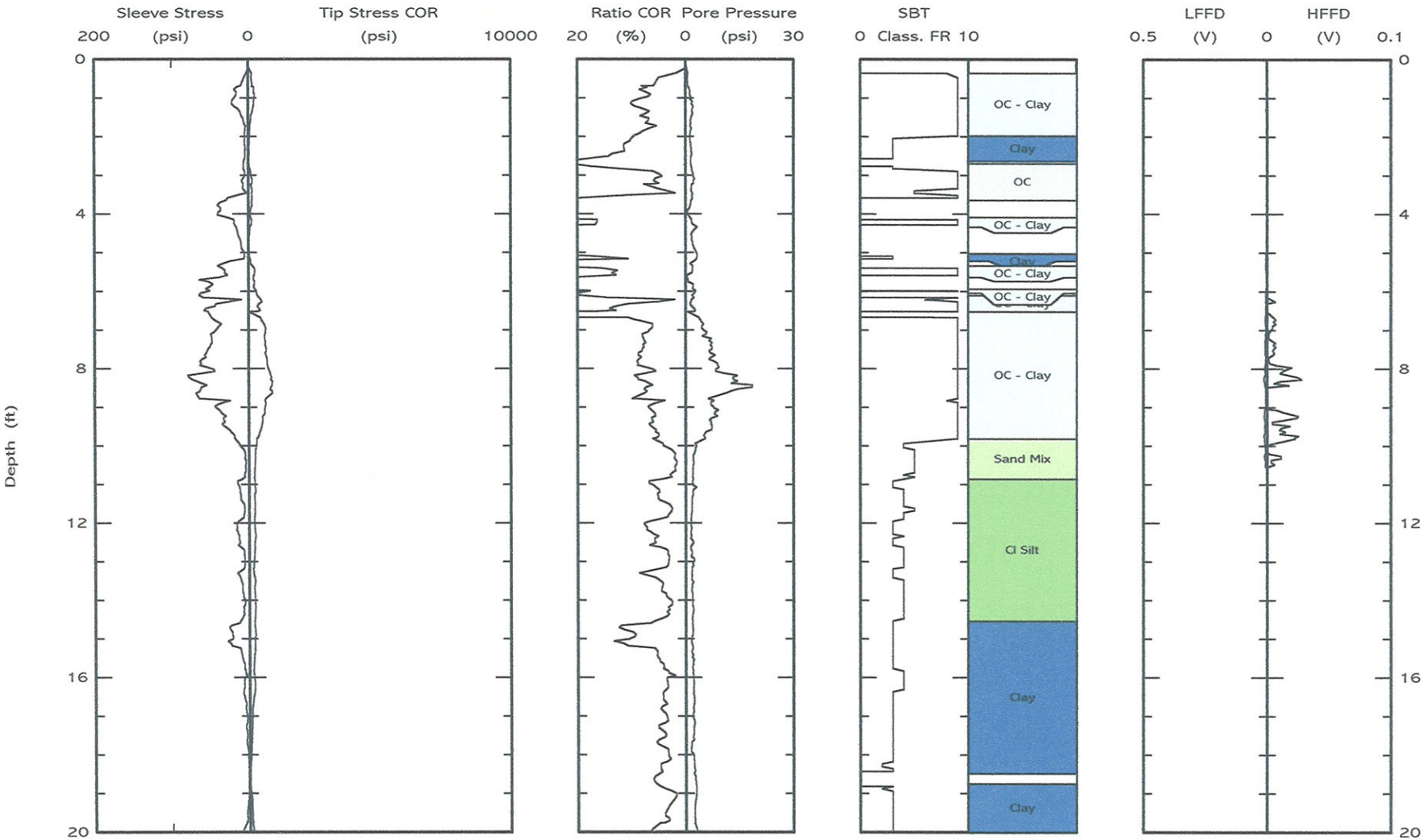
Test ID: CPT-E04
File: 415N0201C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-F01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 23.11 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

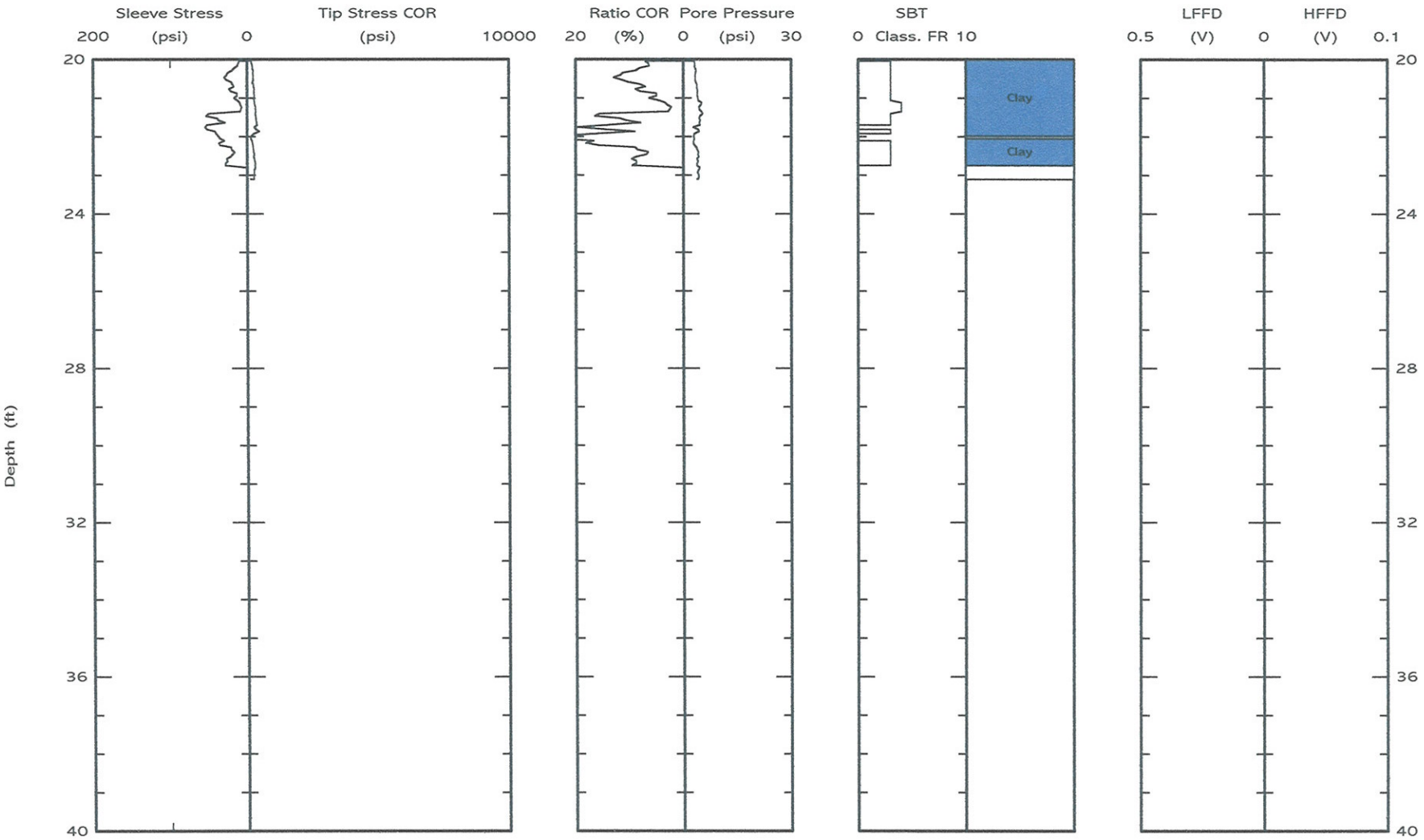
Test ID: CPT-F01
File: 414N0207C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-F01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 23.11 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

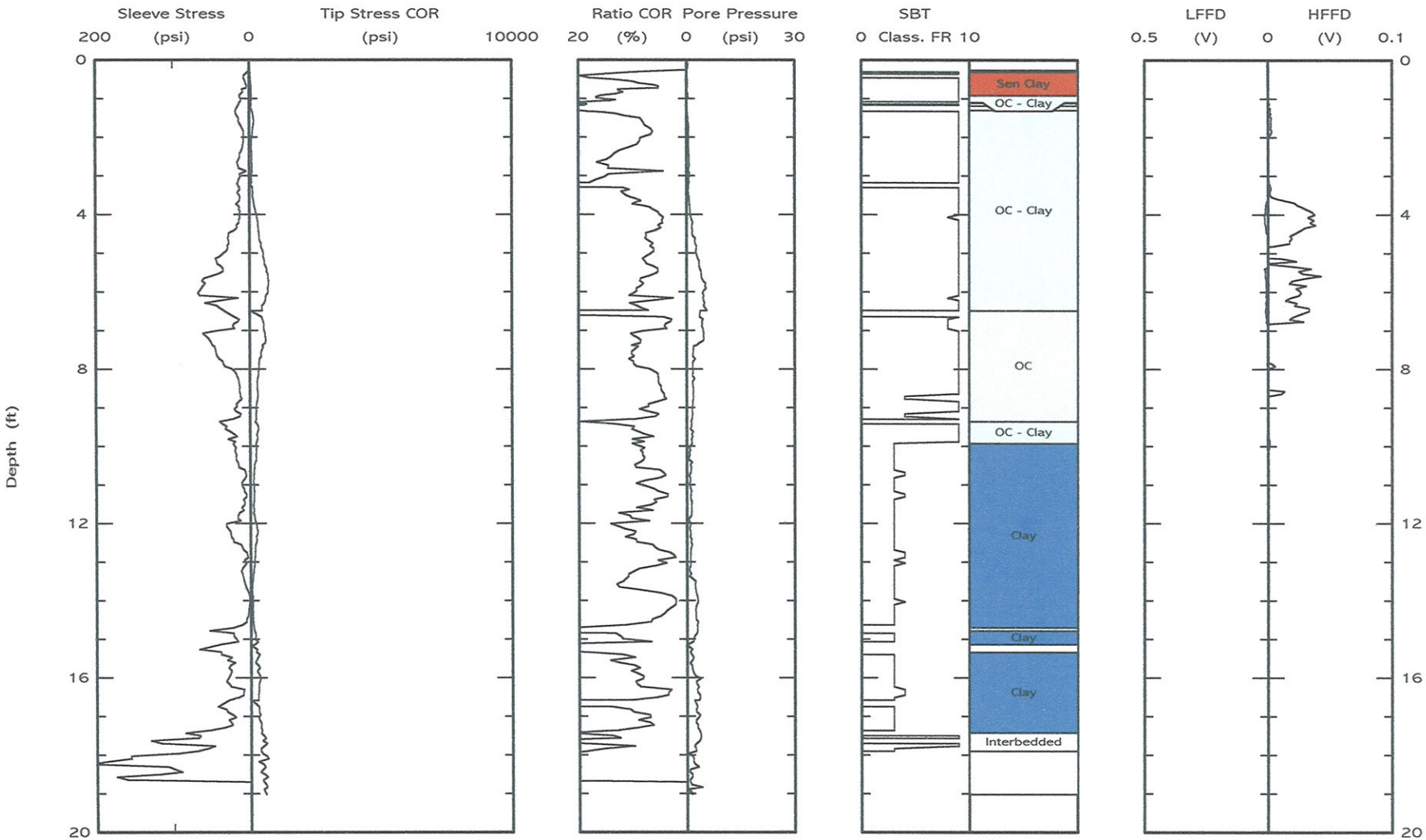
Test ID: CPT-F01
File: 414N0207C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 14/Nov/2002
Test ID: CPT-F04
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 19.02 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

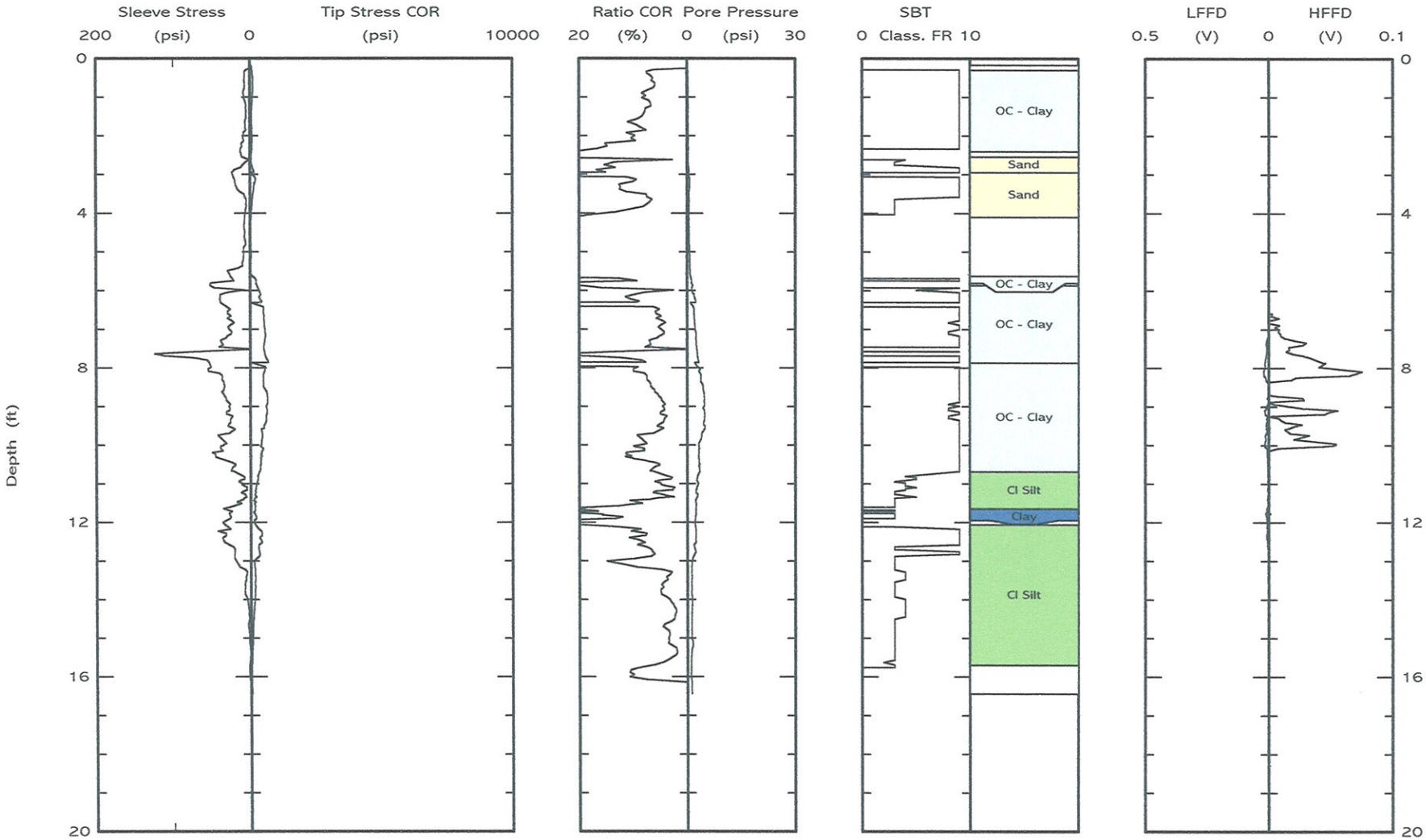
Test ID: CPT-F04
File: 414N0208C.ecp

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 15/Nov/2002
Test ID: CPT-G01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 16.44 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

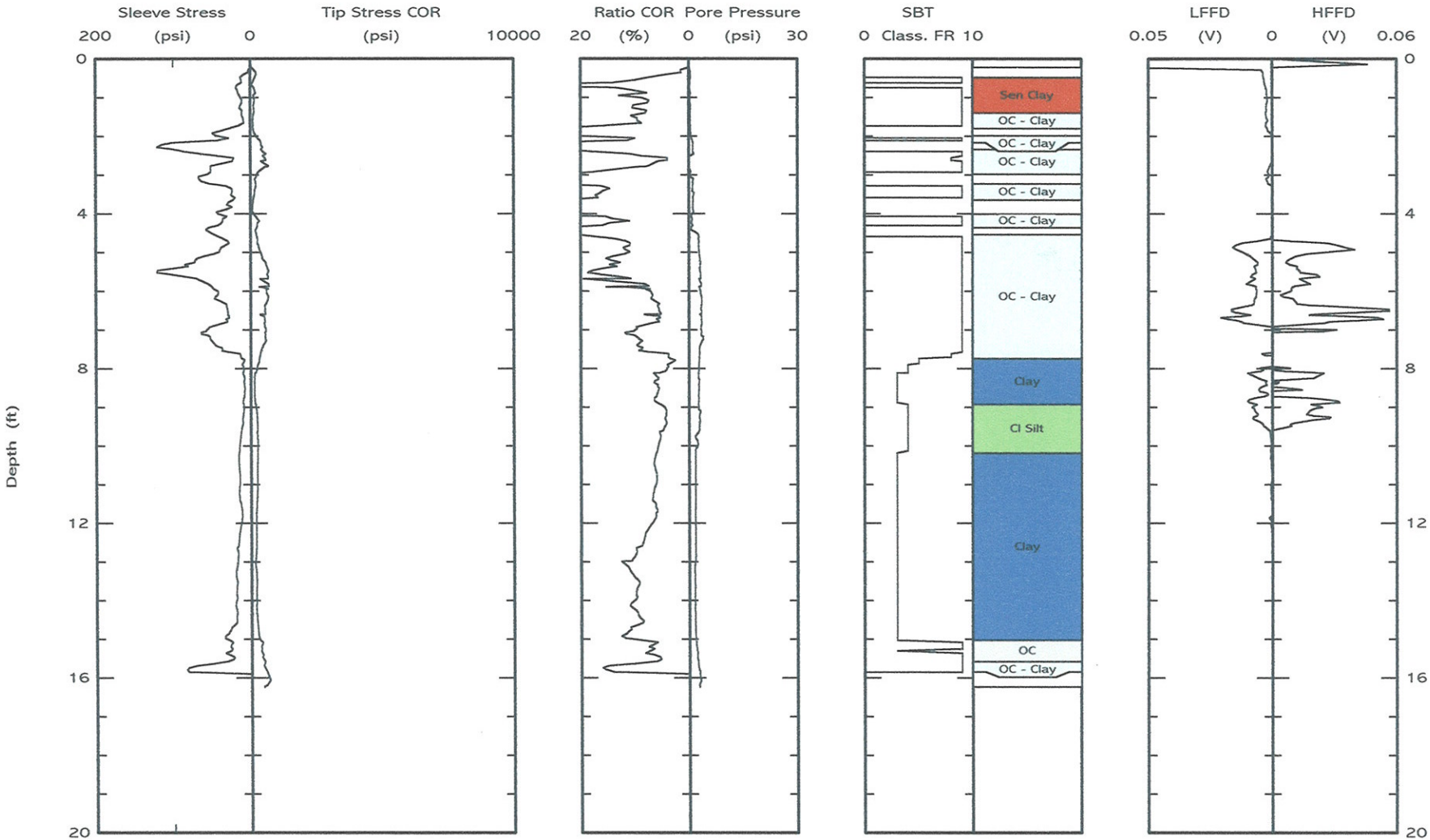
Test ID: CPT-G01
File: 415N0206C.ECP

Applied Research Associates
South Royalton, VT 05068
802-763-8348
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 15/Nov/2002
Test ID: CPT-G03
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 16.24 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

Test ID: CPT-G03
File: 415N0205C.ecp

Applied Research Associates
South Royalton, VT 05068
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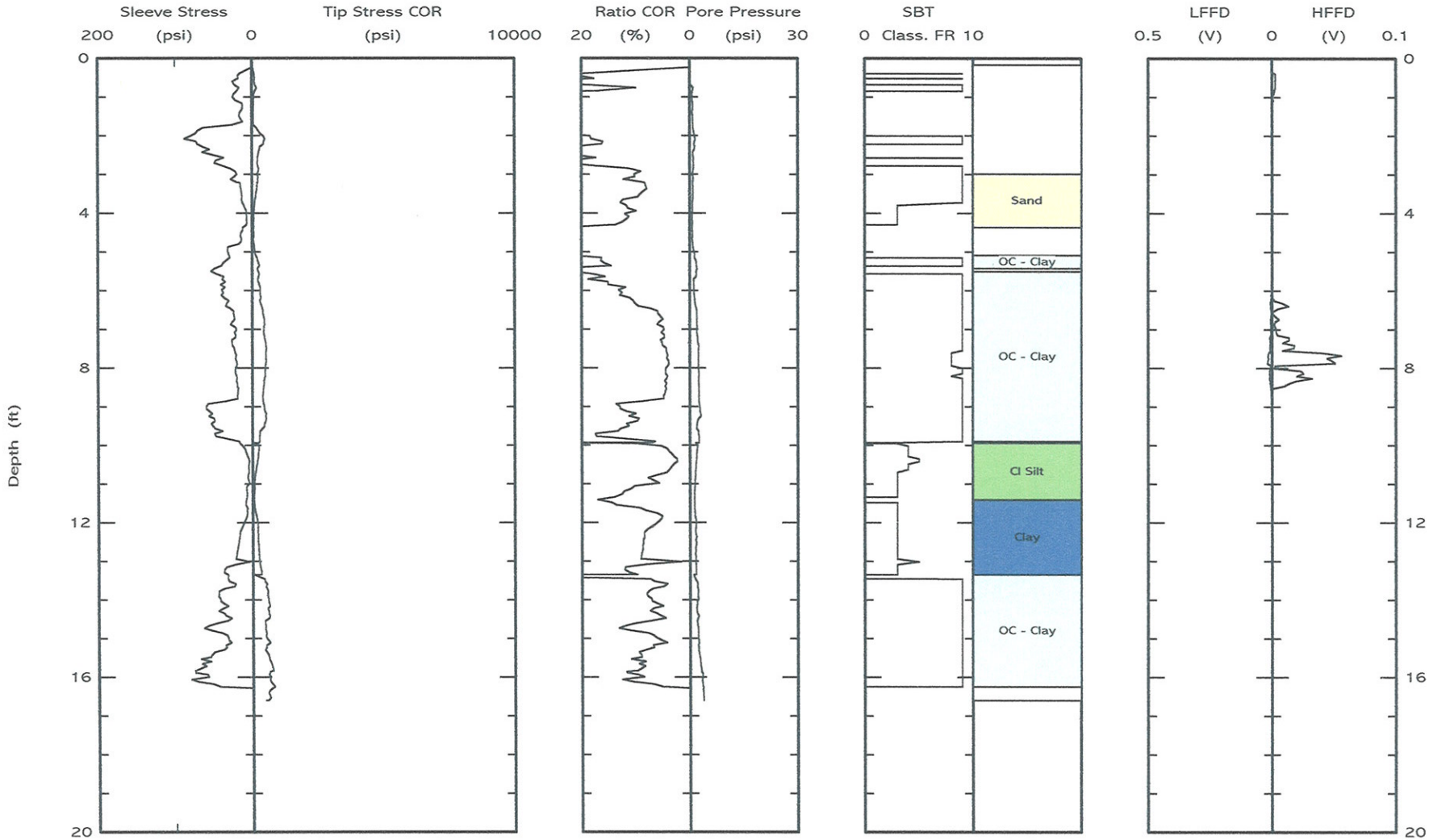
Email: cpt@ned.ara.com
http://www.ara.com

Northing:
Easting:
Elevation:

Date: 15/Nov/2002
Test ID: CPT-H01
Project: HATH

Client: TRC /
Site: MANSFIELD



Maximum depth: 16.60 (ft)

Class FR: Friction Ratio Classification (Ref: Robertson 1990)

Test ID: CPT-H01
File: 415N0207C.ECP

Appendix RR
DEP Ground Water Use And Value Determination

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

MITT ROMNEY
Governor

KERRY HEALEY
Lieutenant Governor

ELLEN ROY HERZFELDER
Secretary

ROBERT W. GOLLEDGE, Jr.
Commissioner

January 21, 2005

Mr. Robert Cianciarulo, Chief
Massachusetts Superfund Section
Office of Site Remediation and Restoration
U.S. EPA Region I
1 Congress Street
Suite 1100 (HBO)
Boston, MA 02114

RE: Groundwater Use and Value Determination
Hatheway and Patterson Superfund Site

Dear Mr. Cianciarulo:

Enclosed please find the Groundwater Use and Value Determination prepared by the Department (DEP) for the Hatheway and Patterson Superfund Site. This Use and Value Determination was conducted by the DEP, pursuant to the finalized Guidance developed by the EPA.

In determining the use and value of the groundwater in the vicinity of the Hatheway and Patterson Site, we referred to the aquifer classification contained in the Massachusetts Contingency Plan (MCP). The classification in the MCP gives consideration to all of the factors in the Use and Value Guidance. Enclosed with the Use and Value Determination are copies of the GIS maps (1 mile and 4 mile radii) used to determine the aquifer classification. These maps provides a variety of information, including the USGS yield classification, the presence of public water supplies and zones of protection, surface water bodies, wetlands, protected open space areas, and drainage basin boundaries.

If you have any questions regarding this letter, please contact me at 292-5697.

Very truly yours,

Jay Naparstek,
Deputy Division Director

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

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GROUNDWATER USE AND VALUE DETERMINATION

Hatheway and Patterson Superfund Site
Mansfield, Massachusetts

January 2005

Consistent with the Environmental Protection Agency's (EPA) 1996 Final Ground Water Use and Value Determination Guidance, the Department has developed a "Use and Value Determination" of the groundwater at and in the vicinity of the Hatheway and Patterson Site (the "Site"). The purpose of the Use and Value Determination is to identify whether the aquifer at the site should be considered of "High, Medium," or "Low" use and value. In the development of its Determination, the Department has applied the criteria for groundwater classification as promulgated in the Massachusetts Contingency Plan (MCP). The classification contained in the MCP considers criteria similar to those recommended in the Use and Value Guidance. The Department's recommendation supports a *low use and value* for the groundwater. Outlined below is an explanation for the determination.

The Hatheway and Patterson Superfund Site covers approximately 38 acres of land in Mansfield, Massachusetts. Groundwater at the site flows in a southwesterly direction and discharges to the Rumford River, which flows from north to south. The Rumford River appears to capture most or all of the flow from the site. Contamination at the Site includes soils containing semi-volatile organics, pentachlorophenol, arsenic, chromium, lead, dioxins, and petroleum hydrocarbons; and groundwater containing semi-volatile organics, metals, dioxins, and petroleum hydrocarbons.

The groundwater beneath and in the vicinity of the Site is not classified as a current or potential drinking water supply. The closest municipal water supply wells are located approximately one mile to the east. An approved Zone II extends to approximately one-quarter mile to the east of the site. There is an EPA designated Sole Source Aquifer also located approximately one-quarter mile to the east. Wetland areas are located to the east, northeast and southwest of the site. The aquifer underlying the Site is classified as low yield by the United States Geological Survey (USGS). The Site Area aquifer is classified as both GW-2 and GW-3 (see description below).

GW-2 This designation addresses areas where there is a potential for migration of vapors from groundwater to occupied structures. The classification applies to locations where groundwater has an average annual depth of 15 feet or less and where there is an occupied building or structure within a 30-foot surface radius of that groundwater.

GW-3 This designation considers the impacts and risks associated with the discharge of groundwater to surface water, and therefore applies to all groundwater.

Considering this determination and the site conditions, the groundwater risk evaluation and cleanup decisions should consider, but not be limited to the following:

Human Health: a) vapor seepage into buildings,
b) site excavation activities that may expose workers to contaminated groundwater and vapors,

	c) discharge to surface water and potential exposure routes (e.g. wading, other recreational activities) potential for migration of contaminated groundwater to areas of higher groundwater use and value.
Ecological	a) effects to wetlands and river biota.

In light of the use and value factors and similar criteria established in the MCP that were examined in this determination, the Department recommends a *low use and value* for the Site groundwater.

TABLE 1

HATHEWAY AND PATTERSON SITE GROUNDWATER USE AND VALUE DETERMINATION
January, 2005

USE AND VALUE FACTORS	RATING	HATHEWAY AND PATTERSON SITE (4-0571) SITE-SPECIFIC DETERMINATION
1. Quantity	Low	- Aquifer would be considered low to medium yield based on hydraulic conductivity values determined at the site.
2. Quality	High	- Water quality, other than that impacted by site contaminants, is believed to be good.
3. Current Public Water Supply Systems	Medium	- The nearest pubic water supplies are approximately one mile from the site. An approved Zone II area exists approximately ¼ mile east of the site.
4. Current Private Drinking Water Supply Wells	Low	-private drinking water supplies are located in the surrounding area, but they are cross gradient of the site and are outside of the extent of contamination.
5. Likelihood and Identification of Future Drinking Water Use	Low	-Site is zoned for industrial use, residential properties exist within one half mile of the Site -Not designated by the Town as an area for future drinking. -No current Activity and Use Limitations on the Study Area properties (it is expected that there will be groundwater use restrictions).
6. Other Current or Reasonable Expected Ground Water Use(s) in Review Area	Low	- On-site businesses use public water. Not expected to use site water for non-potable uses.
7. Ecological Value	Low	-Groundwater discharges to the Rumford River - No Ecological risk identified through RI Risk Assessment. - No Endangered species habitat exists on-site.
8. Public Opinion	Low	-Public appears to place minimal value for on-site groundwater.

Appendix SS
List of Private Wells in Mansfield

PRIVATE WELL LIST

TOWN OF MANSFIELD
BOARD OF HEALTH

WELL TYPES:
DP=DOMESTIC POTABLE DA=DOMESTIC AUXILIARY ICP=INDUSTRIAL/COMMERCIAL
ICA=INDUSTRIAL/COMMERCIAL AUXILIARY AG=AGRICULTURAL

STREET	NUMBER	WELL TYPE	PERMIT DATE	NOTES
ANGELINA LN	12	DA	7/1/1997	
	16	DA	UNKNOWN	
	20	DA	UNKNOWN	
	28	DA	UNKNOWN	
	40	DA	5/28/1999	
	48	DA	3/17/1998	
	49	DA	3/27/1998	
	53	DA	7/16/1996	
	55	DA	UNKNOWN	
	56	DA	6/9/1997	
	60	DA	4/26/1996	
ANGELL ST	55	DA	UNKNOWN	
AVON ST	8	DA	2/23/1998	
BALCOM ST	113	DA	4/24/2000	
	360	DP	4/13/1999	
BASIN ST	8	DA	7/9/1997	
	15	DA	UNKNOWN	
BAYBROOK FARM RD	66	DA	8/5/1997	
	30	DA	8/5/2002	
BELLA VISTA AVE	29	DA	UNKNOWN	OLD CAPPED WELL
BELLVIEW DR	15	DA	UNKNOWN	NO EXISTING DWELLING HOUSE NUMBER INCORRECT
BENEFIT ST	23	DA	3/22/2000	
	50	DA	UNKNOWN	
BIRD RD	11	DA		
	19	DP		
	24	DA	5/6/1998	
	28	DP	4/23/1990	
	44	DP	6/6/1991	
	52	DP	10/19/1990	
	60	DP	10/9/1987	
	380	DP	8/19/1992	
	480	DP	6/10/1992	
	481	DP	2/9/1994	
	501	DP	6/25/1998	
	506	DP	9/1/1988	
	510	DP	6/27/1988	
	512	DP		NO EXISTING DWELLING HOUSE NUMBER INCORRECT
	514	DP	5/21/1987	

		517	DP	8/22/2002	
		518	DP	9/24/1986	REDRILLING 9-4-98 STRUCK BY LIGHTENING
		524	DP	5/21/1987	REDRILLED 7-31-98 STRUCK BY LIGHTENING
		528	DP	5/21/1987	
		531	DP	8/4/1983	
		532	DP	6/6/1991	
	BLACK POND RD	22	DA	4/10/2000	DEED RESTRICTION
	BONNEY LN	13	DA	8/8/1991	MANSFIELD MEADOWS 5/10/00
		14	DA	5/10/2000	
	BRANCH ST				NO PERMIT ISSUED
	BROOK ST	66	DA	UNKNOWN	
		74	DA	4/13/1998	
		78	DA	11/3/1997	
		79	DA	9/22/1997	
	BROOKSIDE DR	2	DA	6/23/1998	
		10	DA	UNKNOWN	
	BROWN AVE	140	DP	UNKNOWN	
	CABOT BLVD	11	DA	9/24/1980	DATEL
	CANOE RIVER DR	26	DA		WELL DISCOVERED 10-14-98 NO PERMIT ISSUED
	CARRAIGE HOUSE LN	4	DA	6/25/1998	
		7	DA	4/7/1998	
		8	DA	8/13/1997	
		12	DA	3/4/1997	
		15	DA	6/24/1997	
		16	DA	7/17/1997	
		19	DA	6/27/1997	
		23	DA	6/30/1997	
		24	DA	7/25/1997	
		30	DA	7/1/1997	
		31	DA	8/25/1998	
	CAVAN XING	6	DA	5/26/1998	
	CENTRAL ST	23	DA	8/18/1999	
		147	DA	7/5/2001	
		335	DA	5/1/2000	
	CHAMBERS CT	2	DA	10/21/1997	
		14	DA	7/2/2001	
	CHARLENE DR	6	DA	9/30/1997	
	CHAUNCY ST	46	DA	11/10/1997	CAR WASH PROS
		480	DA	5/31/2001	
	CHERRY ST	1	DA	8/20/1993	
	CLAIRE AVE	11	DA	8/6/1997	
		14	DA	7/14/1997	
		18	DA	6/30/1997	
	CLEMENTINE DR	14	DA	5/5/1998	
	COBB ST	25	DA	7/22/2002	THE VILLAGE AT WILLOW CROSSING
	COBBLER RD		DA	6/26/1996	WATERING BARN ADJACENT TO RT 140
	COLONIAL DR	55	DA	7/15/1999	
		78	DA	6/29/2000	
	COLUMBINE RD	1	DA	7/15/1997	
	CONROD CT	15	DA	4/8/1998	
		19	DA	4/8/1998	
	COOPER RD	1	DA	7/1/1997	
	COPELAND DR	37	ICA	7/10/1989	

		71	DA	2/18/1999	
	COTTAGE ST	104	DA	3/24/1998	
	COWAN LN	1	DA	8/2/2000	
		4	DA	8/12/1999	
		9	DA	5/28/1998	
		10	DA	7/7/1999	
		14	DA	5/14/1998	
	DANIELLE LN	11	DA	4/11/1989	
		15	DA	4/23/1998	
		18	DA	4/10/1989	
	DARBY DR	52	DA	4/27/1998	
	DAVIS ST	39	DA	8/7/2002	
	DAY AVE	9	DA	3/12/1998	
	DEAN ST	81	DA	6/1/1993	
		151	DA	6/30/1999	
		167	DA		
		176	DA	9/15/1997	
	DEERPATH LN	2	DA	7/16/1997	
		23	DA		NO PERMIT FOUND
		27	DA	3/31/1998	
		28	DA	7/25/1997	
		31	DA	10/15/1997	
		32	DA	7/24/1997	
		35	DA	10/3/2002	
		36	DA	6/23/1997	
		40	DA	7/15/1997	
		48	DA	7/29/1997	
		51	DA	7/23/1998	
		75	DA	6/8/2001	
	DENWOOD ST	8	DA	4/18/2000	SUBJECT TO CONDITIONS PER IT GROUP, HIT NO WATER
		12	DA	5/16/2000	SUBJECT TO CONDITIONS PER IT GROUP
	DONALD ALLEN DR	2	DA	7/10/2000	
		3	DA	6/1/1998	
	DONOVAN LN	6	DA	4/17/1998	
	DOUGLAS DR	8	DA	7/13/1999	
		16	DA		NO PERMIT FOUND
		19	DA	4/23/1998	
		23	DA	8/14/1997	
		28	DA	8/1/1997	
		36	DA	5/26/2000	
	DOWN LN	18	DA	7/22/1997	
	EAST ST	211	DA	8/17/1999	
			DA	6/19/1998	JORDAN JACKSON ELEMENTARY SCHOOL
		842	DA	6/2/1999	
		945	DA	10/16/1992	
		946	DA	7/1/1993	
		1007	DA	6/8/1998	
		1143	DA	9/18/1998	
		1180	DA	3/4/1998	
		1301	IR	8/19/2002	
		1373	DA	5/23/2000	
	EASTBROOK RD	1	DA	7/16/1997	
	EDDY ST	8	DA	UNKNOWN	
	ELM ST	311	DA	UNKNOWN	

		456	DA	8/29/1996	
		463	DA	UNKNOWN	
		493	DA	UNKNOWN	
		496	DA	8/28/1996	
		500	DA	8/28/1996	
		590	DA	11/10/1997	
		600	DA	11/13/1997	
		643	DA	UNKNOWN	
		652	DA	5/29/1996	
	ELMWOOD CT	14	DA	3/2/1998	
	ELYSE RD	18	DA	8/5/1991	
		99	DA	5/18/1998	
	EMERSON CIR	2	DA	7/1/1998	
		12	DA	12/15/1997	
		19	DA	7/7/1997	
	EPHRIAM DR	5	DA	8/12/1997	
		19	DA	7/6/1999	
		28	DA	7/11/1997	
	ERICK RD	10	DA	9/14/1994	EDGEWOOD CONDOMINIUMS
			DA	9/15/1997	EDGEWOOD CONDOMINIUMS
	ESSEX ST	221	DA	UNKNOWN	
	FARM POND PATH	15	DA	8/5/2002	
	FIELDSTONE DR	7	DA	2/25/1998	
		19	DA	7/1/1999	
		27	DA	8/4/1997	
		58	DA	6/11/1998	
	FISHER LN	23	DA	UNKNOWN	
	FORBES BLVD	221	DA	UNKNOWN	MOTOROLA BUILDINGS 1, 2,. AND 4
		440	DA	UNKNOWN	
	FRANCIS AVE	5	DA	10/7/1987	VILLAGE AT MANSFIELD DEPOT
			DA	5/2/1989	VILLAGE AT MANSFIELD DEPOT
				8/8/1991	VILLAGE AT MANSFIELD DEPOT
		9	DA	4/8/2002	VILLAGE AT MANSFIELD DEPOT
		9	DA	5/13/2002	VILLAGE AT MANSFIELD DEPOT
	FRANKLIN ST	164	DA	UNKNOWN	
		368	DA	7/12/1996	
	FREDRIC LN	19	DA	7/2/1997	
	FRUIT ST	35	DA	6/9/1998	
		150	DA	4/5/2000	
		492	DA	10/30/1998	
		516	DA	8/28/1997	
		546	DA	4/21/1998	
		550	DA	3/27/1998	
	GALE LN	10	DA	UNKNOWN	
		11	DA	4/22/2002	
	GANDER LN	18	DA	6/27/1997	
	GENEVA ST	8	DA	UNKNOWN	
		10	DA	UNKNOWN	
		11	DA	UNKNOWN	
	GILBERT ST	103	DA	8/12/1997	
		110	DA	12/29/1998	
		120	DP	4/16/1999	REFILE 8/23/00
		130	DA	9/13/04	
		420	DA	4/1/1998	
	GLADIOLA TER	13	DA	4/23/1998	

	GLORIA DR	11	DA	9/10/1997	
	GOOSE LN	2	DA	7/12/1999	
	GORDON CT	5	DA	3/31/2000	
	GOWARD DR	9	DA	8/12/1997	
		15	DA	7/9/1997	
		18	DA	6/9/1999	
		24	DA	4/24/1998	
	GROVE ST	46	DA	7/11/1997	
		99	DA	7/12/1996	
	HALL ST	83	DA	8/14/1997	
		87	DA	3/14/2002	
	HAMPSHIRE ST	31	DA	UNKNOWN	HOLIDAY INN
		100	DA	11/2/1995	MOTOROLA
	HARVESTWOOD LN	7	DA	8/28/1997	
		39	DA	7/22/1999	
	HELENA CIR	6	DA	UNKNOWN	10 HELENA CIRCLE USES 6 HELENA'S WELL
	HIGHLAND AVE	125	DA	6/25/1997	
		132	DA	7/24/1997	
		136	DA	UNKNOWN	
	HILLSIDE TER	17	DA	7/16/1997	
	HODGES ST	22	DA	6/14/2002	
	HOLSTEIN RD	14	DA	4/19/2002	
	HOPE ST		DA	8/4/1994	MEMORIAL PARK
	IAN KEATS DR	10	DA	3/18/1992	
		18	DP	8/6/2001	
		32	DA	5/13/1998	
	JACOB DR	10	DA	7/29/1997	
		11	DA	7/7/1997	
		14	DA	6/27/1997	
	JAMESON CT	2	DA	3/30/1998	
		6	DA	4/15/1998	
		11	DA	7/15/1997	
		15	DA	7/16/1997	
		18	DA	6/27/1997	
		19	DA	4/21/1998	
	JANET LN	18	DA	UNKNOWN	
	JASON LN	3	DA	6/20/2000	
		11	DA	6/20/2000	
	JASON LN	14	DA	UNKNOWN	
	JEFFERSON RD	4	DA	9/2/1997	
		7	DA	12/10/1997	
	JEWELL ST	97	DA	8/23/1999	
		148	DA	3/16/1998	
	JOANNA DR	48	DA	6/15/2000	
	JONATHAN RD	5	DA	7/7/1997	
	JUNIPER DR	18	DA	UNKNOWN	
	JUSTIN DR	5	DA	8/23/1999	
		15	DA	6/29/1999	
		19	DA	5/12/1998	
	KELI LN	3	DA	6/9/2000	
	KERRY DR	5	DA	7/1/1997	
		46	DA	3/13/1998	
	KING ARTHUR WAY	11	DA	6/25/1999	
		26	DA	8/6/1997	
		44	DA	8/12/1997	

		52	DA	5/6/1998	
		55	DA	5/18/1998	
	KNIGHT WAY	2	DA	4/21/1999	
		3	DA	6/23/1997	
		6	DA	6/27/1997	
		7	DA	7/11/1997	
		10	DA	7/2/1997	
		11	DA	6/30/1997	
		15	DA	6/27/1997	
	LANCASHIRE DR	11	DA	7/15/1997	
		12	DP	6/24/1997	
		15	DA	6/25/1997	
		16	DA	7/22/1997	
		19	DP	6/25/1997	
		20	DA	7/14/1997	
		23	DA	7/10/1997	
		24	DA	8/5/1997	
		27	DA	6/1/1999	
		31	DA	7/10/1997	
		32	DA	6/30/1997	
		35	DA	7/14/1997	
		36	DA	7/21/1997	
		40	DA	7/11/1997	
		41	DA	7/2/1997	
		44	DA	7/16/1997	
		48	DA	7/25/1997	
		51	DA	6/27/1997	
		52	DA	7/22/1997	
		56	DA	7/22/1997	
		59	DA	7/22/1997	
		60	DA	6/24/1997	
	LANCELOT LN	14	DA	4/24/1998	
	LANTERN LN	19	DA	6/9/1999	
		50	DA	7/1/1997	
	LAWNDALE RD	50	DA	UNKNOWN	
		106	DA	UNKNOWN	
		108	DA	UNKNOWN	
		131	DA	4/29/1998	
		135	DA	UNKNOWN	
		162	DA	UNKNOWN	
		171	DA	8/14/2000	
		206	DA	7/1/1997	
	LEONARD CIR	1	DA	UNKNOWN	
		3	DA	UNKNOWN	
		4	DA	UNKNOWN	
		7	DA	UNKNOWN	
		8	DA	UNKNOWN	
	LEONARD ST	15	DA	6/25/1997	
		19	DA	UNKNOWN	
		24	DA	UNKNOWN	
		28	DA	UNKNOWN	
		29	DA	UNKNOWN	
	LEWIS RD	5	DA	5/14/1998	
	LONGWOOD CIR	3	DA	6/27/1997	
		6	DA	7/16/1997	

		10	DA	7/16/1997	
		18	DA	7/30/1997	
		29	DA	9/2/1997	
	MAPLE ST	336	DP	9/13/1999	
		551	DA	6/9/1999	
		554	DP	UNKNOWN	
		558	DP	7/24/1984	
		562	DP	7/24/1984	
		566	DP	7/27/1984	
		574	DP	7/9/1984	
		578	DA	7/9/1984	
		795	DA	10/3/1997	
		796	DA	UNKNOWN	
		802	DP	3/27/1979	
		808	DP	6/1/1905	
		814	DP	6/27/1978	
		819	DA	UNKNOWN	
		820	DP	3/29/1979	
		870	DP	UNKNOWN	
		880	DP	UNKNOWN	
		884	DP	UNKNOWN	
		954	DP	10/18/1983	
		955	DA	UNKNOWN	
		956	DP	10/18/1983	
		958	DA	UNKNOWN	
		959	DA	UNKNOWN	
		962	DP	10/13/1983	
		963	DA	UNKNOWN	
		964	DP	4/10/1984	
		967	DA	UNKNOWN	
		968	DP	6/5/1905	
		972	DP	11/16/1983	
		974	DP	UNKNOWN	
		975	DA	UNKNOWN	
		976	DP	11/16/1983	
		980	DP	6/6/1905	
		983	DA	3/17/1998	
		1050	DA	8/15/2002	
	MARSHALL LN	7	DA	5/11/2000	SUBJECT TO IT GROUP SPECS.
		14	DA	8/16/2000	
	MARTHAS WAY	10	DA	8/2/2000	
		14	DA	8/2/2000	
		21	DA	NO PERMIT	
	MATTHEW LN	11	DA	6/24/1997	
		14	DA	10/27/1997	
		19	DA	8/18/1997	
	MAYFLOWER DR	3	DA	7/11/1997	
		10	DA	4/4/2000	
		11	DA	4/24/1998	
		15	DA	8/13/1997	
	MAYHEW FARM DR	6	DA	3/31/1999	
		10	DA	7/9/1999	
		14	DA	8/2/1999	
		18	DA	UNKNOWN	
	MEADOW LN	17	DA	11/6/2001	

	MICHAEL LN	8	DA	8/30/2002	
	MILL ST	185	DA	8/16/1996	
	MILL FARM DR	23	DA	4/29/1998	
	MILLSTONE CT	14	DA	7/6/1999	
	MONAHAN LN	30	DA	7/9/1997	
		72	DA	11/27/1996	
	MORROW ST	69	DA	7/11/1997	
		77	DA	7/9/1997	
	NECCO RD	1	DA	7/24/1997	
		4	DA	4/27/1998	
		15	DA	5/13/1998	
		16	DA	6/25/1997	#20 NECCO USES THIS WELL.
	NORTH MAIN ST	43	DA	UNKNOWN	
		55	DA	PRIOR 1982	
		115	DA	5/12/1998	
		325	DA	7/9/1997	
	NORTH WHITE PINE LN	2	DA	5/7/1996	
		7	DA	4/16/1999	
		8	DA	8/8/2001	
		9	DA	11/21/03	
		17	DA	7/2/1997	
		19	DA	7/2/1997	
		21	DA	2/2/1998	
		23	DP	5/20/1998	
	OAK ST	144	DA	9/4/1998	
		196	DA	7/2/1997	
		343	DA	7/2/1997	
	OAKLAND ST	150	DP	UNKNOWN	
		149	DA	3/7/2000	
		245	DA	7/11/2000	NATIONAL LUMBER CO.
		411	DA	6/18/1999	EASTERN CONTAINER
	OLD FARM RD	89-93	DA	5/22/2001	
	OLD ELM ST	80	DA	UNKNOWN	
	OLD NORTH TRL	30	DA	3/18/1998	
		34	DA	7/30/1997	
		38	DA	6/30/1997	
		41	DA	10/10/1997	
		42	DA	3/4/1998	
		45	DA	9/16/1997	
		46	DA	4/6/1998	
		55	DA	9/13/2000	
		59	DA	6/30/1997	
		62	DA	4/9/1998	
		63	DA	7/23/1997	
		66	DA	4/7/1998	
		67	DA	2/20/1998	
		70	DA	6/30/1997	
		71	DA	6/30/1997	
	OLD STABLE DR	7	DA	7/9/1999	
		16	DA	7/1/1997	
		25	DA	7/1/1997	
		29	DA	7/15/1997	
		39	DA	10/12/1999	
		47	DA	7/8/1999	

		51	DA	12/5/2001	
	OTIS ST	1	DA	7/17/1997	
		45	DA	8/28/1997	
		210	AG	5/13/1999	BEHIND #210 FOR AGRICULTURAL PURPOSES
	PARK AVE	12	DA	6/21/2002	
	PARK ROW	6	DA	8/4/1997	TOWN HALL, SOUTH COMMON
	PARK ST	46	DA	5/5/2000	
	PARTRIDGE LN	7	DA	4/22/1996	
		11	DA	UNKNOWN	
		15	DA	4/22/1996	
		18	DA	5/9/1994	
	PATRICIA RD	14	DA	6/21/1999	
		19	DA	UNKNOWN	
	PATTYS RD	36	DA	5/29/1996	
		43	DA	7/9/1997	
	PHEASANT HOLLOW DR.	4	DA	6/30/1997	
	PILGRIM RD	8	DA	9/9/1997	
		14	DA	6/30/1995	
		15	DA	9/10/1997	
	PINE ST	49	DA	UNKNOWN	
	PLAIN ST	252	DA	4/4/2000	
	PLANTATION RD	23	DA	5/12/2000	
		27	DA	3/24/2000	
	PLEASANT ST	63	DA	12/2/1991	
	PLOWSHARE CT	20	DA	3/30/2000	
	PLYMOUTH ST		DA	2/4/1995	TOWN OF MANSFIELD RECREATION AREA
	POTASH RD	3	DA	5/9/2000	
		6	DA	4/30/1998	
		7	DA	7/24/1997	
		10	DA	10/8/1997	
		14	DA	4/27/1998	
		18	DA	7/2/1997	
		26	DA	4/29/1998	
		27	DA	7/11/1997	
		30	DA	3/28/2000	
		31	DA	10/26/1988	
		34	DA	7/2/1997	
		38	DA	6/30/1997	
		42	DA	7/2/1997	
		46	DA	5/6/1998	
		51	DA	9/10/1997	
		54	DA	9/5/1997	
		67	DA	6/23/1997	
		70	DA	4/19/2000	
	PRATT ST	17			NO PERMIT ISSUED
		99	DA	3/29/2002	
		208	DA	8/2/1999	
		280	DA	UNKNOWN	
		330	DA	9/7/2001	ST. MARY'S PARISH - BEHIND RECTORY
			DA	8/19/1999	HUTCHINSON RECREATION
		370	DA	4/22/2002	
	PRINCE ST	1	DA	7/9/1997	
		2	DA	11/15/1999	
	RIVERSIDE DR	12	DA	4/4/2000	

		16	DA	7/1/1997	
		27	DA	4/23/1998	
		37	DA	4/24/2000	
		41	DA	4/1/1998	
		49	DA	8/20/1997	
		53	DA	3/18/1998	
	RUMFORD AVE	31	DA	UNKNOWN	
		69	DA	4/5/1989	
		74	DA	8/4/1999	
		102	DA	8/26/1997	
	RUSTIC DR	5	DA	UNKNOWN	
		9	DA	UNKNOWN	
		13	DA	6/1/1905	
	SAMOSET AVE	55	DA	UNKNOWN	
	SANDY HILL RD	3	DA	7/1/1999	
		10	DA	UNKNOWN	NO #10 ON STREET LIST
		16	DA	8/8/2001	
	SCHOOL ST	170	DA	5/6/1998	
		280	DA	PRIOR 1980	
		287	DA	7/3/1999	INSTALLED BEFORE REGULATION
		328	DA	PRIOR 1980	
		862	DA	4/2/1998	
		1000	DP	7/11/1996	
		1100	DA	8/13/1997	
		1094	DA	UNKNOWN	
	SEAN DR	10	DA	7/7/1999	
	SHAWMUT AVE		DA	UNKNOWN	FALES OIL COMPANY
	SHILOH DR	9	DA	UNKNOWN	
		24	DP	11/27/2000	
	SHORT ST	5	DA	5/28/2002	
	SMITH RD	34	DA	5/28/1998	
	SOUTH ST	3	DP	6/16/1983	ON SEPTIC PLAN
		7	DP	PRIOR 1980	
		11	DP	PRIOR 1980	
		15	DP	PRIOR 1980	
		25	DP	6/6/1985	
		35	DP	6/6/1985	
		71	DP	2/8/1989	
		75	DP	6/25/1993	
		79	DP	8/4/1992	
		81	DP	3/2/1992	
		82	DP	1/31/1994	
		83	DP	3/2/1992	
		86	DP	1/31/1994	
		90	DP	1/31/1994	
		91	DP	10/2/1997	
		95	DP	10/2/1997	
		98	DP	2/3/1994	
	SOUTH MAIN ST	42	DA	UNKNOWN	
		55	DA	9/24/1997	
		71	DA	8/21/1997	
		165	DA	2/2/1998	
		185	DA	UNKNOWN	
		295	DA	UNKNOWN	
		304	DA	4/12/2000	WITH CONDITIONS PER IT GROUP

		319	DA	7/11/2000	
		353	DA	UNKNOWN	
		364	DA	6/30/1999	
		395	DA	2/17/1998	
		430	DA	4/15/1998	
		469	DA	UNKNOWN	
		475	DA	UNKNOWN	
		656	DA	3/15/2000	
		875	DA	11/18/1999	
		885	DA	7/1/1997	TWEETER CENTER FOR THE PERFORMING ARTS
		885	ICP	7/21/1999	TWEETER PARKING LOT FOR GREAT WAVES PROJECT
	SOUTH WALNUT ST	28	DA	4/2/1998	
	SOUTH WHITE PINE LN	2	DA	6/23/1997	
		8	DA	6/20/1997	
		12	DA	6/26/1997	
		20	DA	3/20/1998	
	SOUTHPARK LN	10	DA	7/29/1997	
		11	DA	7/11/1997	
		15	DA	7/7/1998	
		23	DA	7/31/1997	
		30	DA	7/25/1997	
		35	DA	9/4/1997	
		36	DA	6/30/1997	
		39	DA	7/16/1997	
		42	DA	7/3/1997	
		43	DA	7/16/1997	
		47	DA	UNKNOWN	LETTER SENT, 8/15/97, NO PERMIT
		55	DA	8/6/1997	
		64	DA	8/13/1997	
	SPRING ST	35	DA	3/24/1999	
	STEARNS AVE	440	DP		IN VICINITY OF HERCULES HAZARDOUS LANDFILL
	STEARNS AVE	441	DA	4/9/1987	
		494	DP	7/27/1999	
	STILLBROOK LN	6	DA	5/3/2000	
		11	DA	3/12/2002	
	STURBRIDGE DR	15	DA	6/1/1999	
	SUMMER ST	31	DA	8/18/1997	
	SURREY DR	14	DA	8/11/1999	
		15	DA	4/19/2000	VARIANCE FROM SETBACK TO SEPTIC
		37	DA	3/8/2000	
		40	DA	7/1/1997	
		44	DA	7/1/1997	
		45	DA	7/1/1997	
	TANYA DR	23	DA	7/15/1997	
		65	DA	4/14/1998	
	THOMAS ST	18	ICA	5/11/1995	COMMERICAL USE FOR LAUNDROMAT, 2/8/89 1ST WELL CLOGGED
	TIMBERLINE DR	3	DA	7/21/1998	
		7	DA	5/22/1998	
	TREMONT ST	52	DA	4/9/1999	
		90	DA	9/14/2000	
	UNION ST	123	DA	5/21/1998	
	UNION ST EXT.	230	DA	UNKNOWN	

		233	DA	UNKNOWN	
	VICTORIA LN	6	DA	9/21/1999	
		7	DA	3/15/2000	
		11	DA	UNKNOWN	NEW OWNER, WELL PREVIOUSLY INSTALLED
		14	DA	7/31/1997	
	VILLA ST	1	DA	7/9/1997	
	WAGONWHEEL WAY	15	DA	11/18/2002	
	WALNUT ST	41	DA	3/3/1998	
	WARE ST	82	DA	UNKNOWN	
		269	DA	6/6/2001	WELL INSTALLED PRIOR TO REGULATION
		280	DP	UNKNOWN	
		440	DP	1976&1982	WATER TEST REPORTS
		740	DP	11/1/1991	
		799	DA	2/23/1998	
	WEBB PL UNIT 1A	14,20,26	DA	4/20/1999	
	WEST ST	31	DA	UNKNOWN	
		78	DA	UNKNOWN	
		247	DA	UNKNOWN	
		509	DA	UNKNOWN	
		575	DA	UNKNOWN	
		777	DA	UNKNOWN	ALBANY INTERNATIONAL
		873	DA	6/3/2002	
		971	DA	PRIOR 1980	
		1200	DA	7/7/2004	
		1201	DA	PRIOR 1980	
		1375	DA	7/24/1997	
		1479	DA	4/19/1905	
		1551	DA	4/9/1998	
		1688	DA	5/13/1998	
		1696	DA	7/9/1998	
		1715	DA	7/24/1997	
		1791	DP	UNKNOWN	
	WESTVIEW DR	7	DA	8/11/1997	
		22	DA	8/13/1997	
		2	DA	7/29/1997	
	WILDFLOWER LN	6	DA	3/27/2000	
	WILLIAMS ST	72	DA	3/27/1997	
		76	DA	5/4/2000	
		426	DA	8/16/1999	
		466	DA	8/5/1997	
	WILLOW ST	54	DA	9/8/1997	WILLOWDALE GOLF COURSE
		133	DA	UNKNOWN	SHARES WELL WITH 125 WILLOW STREET
		139	DA	10/8/1999	
		216	DA	9/7/1995	
		266	DA	UNKNOWN	
		355	DA	UNKNOWN	
		357	DA	UNKNOWN	
		366	DA	UNKNOWN	
		368	DA	UNKNOWN	
		378	DA	UNKNOWN	
	WINDCHIME DR	25	DA	3/17/1999	
	WINDSOR PL	2	DA	7/2/1997	
		5	DA	7/2/1997	
		6	DA	7/10/1997	

		9	DA	6/25/1997	
		10	DA	7/2/1997	
	WINSLOW WAY	10	DA	5/18/1998	
		15	DA	5/16/2001	
	WINTER ST	111	DA	6/19/1998	
		232	DP	6/3/1905	
		?	DP	1983-?	
	YORK RD	1	DA	7/17/1997	
		2	DA	6/23/1997	
		6	DA	6/19/1997	
		10	DA	7/18/1997	
		11	DA	6/30/1997	
		15	DA	8/19/1997	
		18	DA	7/30/1997	
		19	DA	3/15/1999	
		22	DA	7/21/1997	
		25	DA	6/30/1997	
		26	DA	7/1/1997	
		29	DA	7/2/1997	
		30	DA	7/29/1997	
		33	DA	7/1/1997	
		34	DA	9/9/1997	
		37	DA	9/9/1997	
		38	DA	4/27/1998	
		46	DA	4/21/1998	
		47	DA	2/26/1998	
		51	DA	2/26/1998	
		54	DA	6/2/1997	
		55	DA	6/25/1997	
		59	DA	UNKNOWN	NO PERMIT FOUND
		62	DA	6/20/2000	
		63	DA	7/1/1997	
		66	DA	6/18/1999	
		67	DA	7/17/1997	
		71	DA	8/12/1997	
		74	DA	7/17/1997	
		78	DA	7/1/1997	
		82	DA	7/2/1997	
		91	DA	7/3/1997	
		94	DA	7/28/1997	
		95	DP	6/30/1997	
		102	DA	7/9/1997	
		103	DA	6/30/1997	
		111	DA	7/28/1997	
		115	DA	6/23/1997	
		118	DA	7/11/1997	
		123	DA	7/30/1997	
		127	DA	7/2/1997	
		128	DA	9/18/1997	
		132	DA	7/9/1997	
		135	DA	11/16/1995	
		143	DA	6/26/1997	
		144	DA	3/29/2000	
		147	DA	7/1/1997	
		150	DA	4/26/1999	

		151	DA	5/9/2001	
		154	DA	6/24/1997	
		155	DA	6/30/1997	
		158	DA	6/26/1997	
		159	DA	6/24/1997	
		163	DA	6/24/1997	
		167	DA	UNKNOWN	NO PERMIT FOUND
		171	DA	6/30/1997	
		172	DA	6/30/1997	
		175	DA	10/1/1997	
		178	DA	7/7/1997	
		179	DA	2/3/2000	
		182	DA	8/1/1997	
		183	DA	7/9/1999	
		186	DA	8/11/1997	
		187	DA	6/30/1997	
		190	DA	7/2/1997	