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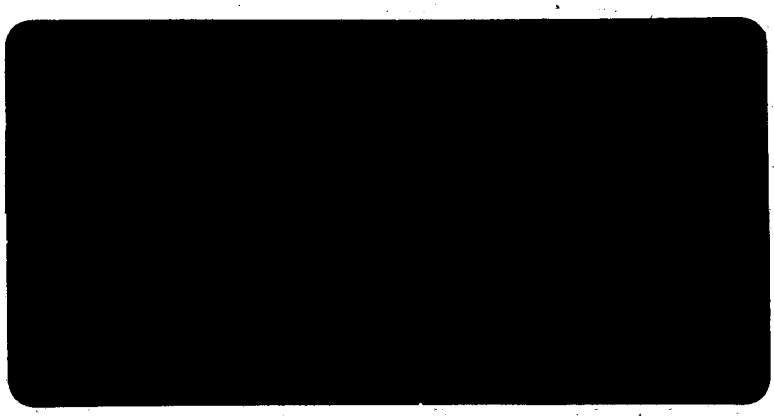
Task 2 Vol 2 Investigation
Final



TRC

Environmental
Consultants

FINAL TASK 2 REPORT
INVESTIGATION OF THE FORMER COAL GASIFICATION SITE
DANSVILLE, NEW YORK
NEW YORK ELECTRIC & GAS CORPORATION

VOLUME II
TECHNICAL REPORT

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TRC Project No. 3438-N61

December 5, 1988

TRC

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A TRC Company

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APPENDIX

APPENDIX A

TEST PIT LOGS

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/31/86
PIT DIMENSIONS (W x L x H): 3'x 13'x 10.8'

TEST PIT NO. TP-1
LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/31/86

Depth (ft)	Description
0.0-1.0	Rubble fill.
1.0-5.0	Soil fill, sand and gravel, trace silt. Found 8 in. cast iron pipe at 2 ft.
5.0-6.7	Fine sand, some silt with trace clay. Coal tar contamination observed.
6.7-10.8	Coarse sand and gravel. Water at 10.8 feet. Floating fraction on water surface. OVA Response --- Head-space sample from 10.8 ft 400 ppm Backhoe sample from 5-6.7 ft. 100 ppm Sample taken from 10.8 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/29/86
PIT DIMENSIONS (W x L x H): 3'x 26'x 5.25'

TEST PIT NO. TP-2

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/29/86

Depth (ft)	Description
0.0-0.5	Topsoil.
0.5-1.3	Ash and cinders.
1.3-5.3	Fine sand and silt, trace clay.
	No sample taken. Test pit dug to confirm presence of round foundation; did not find foundation.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/29/86
PIT DIMENSIONS (W x L x H): 3'x 25'x 9'

TEST PIT NO. TP-3

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/29/86

Depth (ft)	Description
0.0-0.5	Topsoil.
0.5-1.3	Soil and cinders.
1.3-5.0	Fine sand and silt, trace clay. Brick and stone wall in northern end of pit (south wall of former gas house). Coal tar material at 3.5 ft. inside gas house foundation. East - west trending 12 inch pipes at 2.8 ft. and 4.5 ft., several 1-2" diameter steel pipes.
5.0-9.0	Coarse sand and gravel. Coal tar material with brick and wood fragments. Water table not encountered. Strong coal tar odor. Sample taken from 4.0 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/29/86
PIT DIMENSIONS (W x L x H): 3'x 12'x 5.1'

TEST PIT NO. TP-4

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/29/86

Depth (ft)	Description
0.0-1.5	Topsoil. Cement wall at 0.5 ft. Continued pit outside of wall.
1.5-3.5	Tan fine sand and silt.
3.5-5.1	Gray silt, trace clay. Cement wall ends at 4.3 ft.
	OVA Response --- Head-space sample # 1 from 3.0 ft. 0.5 ppm Head-space sample # 2 from 4.0 ft. 15.0 ppm
	Composite sample taken from 3.5 ft. to 5.1 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/31/86
PIT DIMENSIONS (W x L x H): 3'x 20'x 8.5'

TEST PIT NO. TP-5
LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/31/86

Depth (ft)	Description
0.0-0.4	Asphalt.
0.4-1.1	Coarse sand and gravel.
1.1-1.7	Dark brown silt, some fine sand.
1.7-2.85	Fill - brick and light ash. Water at 2.85 ft. east of brick wall. No odor. Found brick wall at 1.7 ft. (Gas holder foundation)
	Moved backhoe west of wall (outside) and continued excavation.
1.5-6.0	Silt, some fine sand and gravel.
6.0-8.5	Coarse sand and gravel.
	Sample taken from 5.0 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/29/86
PIT DIMENSIONS (W x L x H): 3'x 14'x 5'

TEST PIT NO. TP-6

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/29/86

Depth (ft)	Description
0.0-2.0	Medium sand and silt.
2.0-3.7	Rubble, including bricks and foundation stone fragments. Brick gas-holder foundation at 1.5' depth.
3.7-5.0	Crushed stone fill. Water at 5.0 ft (inside holder foundation). Slight coal tar odor.
	Sample taken from 5.0 ft. (inside holder foundation) for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/29/86
PIT DIMENSIONS (W x L x H): 3'x 22'x 6.5'

TEST PIT NO. TP-7
LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/29/86

Depth (ft)	Description
0.0-0.5	Topsoil.
0.5-5.3	Tan silt, some fine sand with fine gravel.
5.3-6.5	Coarse gravel.
	Composite sample taken from 1.4 ft. to 5.0 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/31/86
PIT DIMENSIONS (W x L x H): 3'x 9'x 3'

TEST PIT NO. TP-8

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/31/86

Depth (ft)	Description
0.0-0.5	Asphalt overlaying topsoil.
0.5-1.5	Rubble, including fragments of brick.
1.5-2.5	Fill, including black cinders.
2.5-3.0	Tan fine sand, some silt.
	No sample taken. Test pit dug to find edge of large gas holder.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/31/86
PIT DIMENSIONS (W X L X H): 3'x 3'x 1'

TEST PIT NO. TP-8A
LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/31/86

Depth (ft)	Description
0.0-0.5	Asphalt overlaying topsoil.
0.5-1.0	Concrete and steel foundation of former gas holder encountered. No sample collected. The purpose for excavating this test pit was to locate the edge of the foundation of the former gas holder.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/31/86
PIT DIMENSIONS (W x L x H): 3'x 10'x 1.5'

TEST PIT NO. TP-9

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/31/86

Depth (ft)	Description
0-0.2	Asphalt.
0.2-1.5	Black colored fill. Water at 1.45 ft. Floating fraction on water surface. Encountered former gas-holder foundation. Sample taken from 1.45 ft. (inside holder foundation) for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/31/86
PIT DIMENSIONS (W x L x H): 3'x 20'x 9.5'

TEST PIT NO. TP-10

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/31/86

Depth (ft)	Description
0.0-2.8	Fill.
2.8-5.1	Coarse sand, little silt with clay.
5.1-9.5	Coarse sand and gravel. Water at 9.1 ft. Floating fraction on water surface.

OVA Response --- Head-space sample from 6.0 ft. 5.0 ppm
Backhoe sample from 6.0 ft. 9.2 ppm

Head-space sample from 9.1 ft. 5.8 ppm
Backhoe sample from 8.8 ft. 50 ppm

Sample taken from 6.5 ft. (base of tar-water separator) for laboratory analysis. Labelled TP-10A.

Sample taken from 9.1 ft. (at water table) for laboratory analysis. Labelled TP-10B.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/30/86
PIT DIMENSIONS (W x L x H): 3'x 9'x 10'

TEST PIT NO. TP-11

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/30/86

Depth (ft)	Description
0.0-0.5	Asphalt.
0.5-10.0	Soil fill, heavily contaminated with coal tar. Wood stockade perimeter of tar vessel found at 3.0 ft. depth. OVA Response --- Head-space sample from 7.0 ft. 320.0 ppm Head-space sample from 8.0 ft. 80.0 ppm Sample from 10.0 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/30/86
PIT DIMENSIONS (W x L x H): 3'x 10'x 10'

TEST PIT NO. TP-12
LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/30/86

Depth (ft)	Description
0.0-3.5	Silt, some fine sand with trace clay.
3.5-10.0	Coarse sand and gravel, trace silt. Water at 9.7 ft. Floating fraction on water surface. Coal tar observed on sediments at water level, but clean above. OVA Response --- Backhoe sample from 9.7 ft. 40.0 ppm Head-space sample from 9.7 ft. 4.0 ppm Sample taken from 9.7 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/30/86
PIT DIMENSIONS (W x L x H): 3'x 8.5'x 8.4'

TEST PIT NO. TP-13

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/30/86

Depth (ft)	Description
0.0-1.0	Topsoil.
1.0-5.0	Tan silt, some fine sand with trace clay.
5.0-8.4	Coarse gravel, trace silt. Water at 8.4 ft.
	Sample taken from 8.4 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/30/86
PIT DIMENSIONS (W x L x H): 3'x 10'x 9.8'

TEST PIT NO. TP-14

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/30/86

Depth (ft)	Description
0.0-1.0	Topsoil.
1.0-9.8	Coarse sand and gravel, trace silt. Water at 9.8 ft. Floating fraction on water surface. OVA Response --- Backhoe sample from 9.8 ft. 3.0 ppm Sample taken from 9.8 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/30/86
PIT DIMENSIONS (W x L x H): 3'x 26.5'x 10'

TEST PIT NO. TP-15
LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/30/86

Depth (ft)	Description
0.0-0.9	Topsoil.
0.9-4.0	Fill, including ash, brick, and decomposing wood (shows cross-section of former canal).
4.0-5.5	Fine to coarse sand, some silt.
5.5-10.0	Sand and gravel, trace silt. Water at 9.4 ft.
	Composite sample taken from 0.9 ft. to 2.5 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 7/30/86
PIT DIMENSIONS (W x L x H): 3'x 8.5'x 8.7'

TEST PIT NO. TP-16

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 7/30/86

Depth (ft)	Description
0.0-0.5	Topsoil.
0.5-2.0	Tan fine sand, some silt.
2.0-8.7	Coarse sand and gravel. Water at 8.7 ft.
	Sample taken from 8.7 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 8/1/86
PIT DIMENSIONS (W x L x H): 3'x 17'x 6'

TEST PIT NO. TP-17
LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 8/1/86

Depth (ft)	Description
0.0-2.5	Fill, including ash and cinders.
2.5-6.0	Fine sand and silt, with cross section of former canal full of black clinkers and white ash. Contamination observed at 5.3 ft. along outside of 24" clay pipe located in the bottom of the former canal. Coal tar material in sediments along pipe. OVA Response --- Head-space sample from 5.3 ft. 12.5 ppm Sample taken from 5.3 ft for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 8/1/86
PIT DIMENSIONS (W x L x H): 3'x 15'x 12'

TEST PIT NO. TP-18

LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 8/1/86

Depth (ft)	Description
0.0-0.3	Asphalt.
0.3-1.1	Sand and gravel.
1.1-6.0	Fill, including ash. Fill depth increases north to south showing the cross section of the former canal.
6.0-12.0	Coarse sand and gravel. Water at 12.0 ft. Floating fraction on water surface. Sample taken from 12.0 ft. for laboratory analysis.

TEST PIT LOG

PROJECT NO.: 3438-N61
PROJECT: Dansville Gas Plant
CLIENT: NYSEG
CONTRACTOR: Babcock Enterprises, LTD
DATE STARTED: 8/1/86
PIT DIMENSIONS (W x L x H): 3'x 8.5'x 10.7'

TEST PIT NO. TP-20
LOCATION: Dansville, NY
TRC INSPECTOR: C. Mohrbacher
DATE COMPLETED: 8/1/86

Depth (ft)	Description
0.0-0.2	Asphalt.
0.0-0.7	Coarse sand and gravel.
0.7-2.0	Dark brown fill and soil.
2.0-4.0	Fine sand and silt.
4.0-10.7	Coarse sand and gravel. Water at 10.7. Floating fraction on water surface. OVA Response --- Backhoe sample from 10.7 ft. 24 ppm Sample taken from 10.7 ft. for laboratory analysis.

APPENDIX B

BORING LOGS AND MONITORING WELL CONSTRUCTION DETAILS

MW-1S

BORING LOG

PROJECT NO.: 3438-N61-21
PROJECT: NYSEG - DANSVILLE
CLIENT: New York State Electric and Gas
LOCATION: 50 Ossian Street, Dansville, New York
DRILLING CONTRACTOR: North Star Drilling
DRILLER: Harry Lyon
TRC INSPECTOR: Carl Mohrbacher

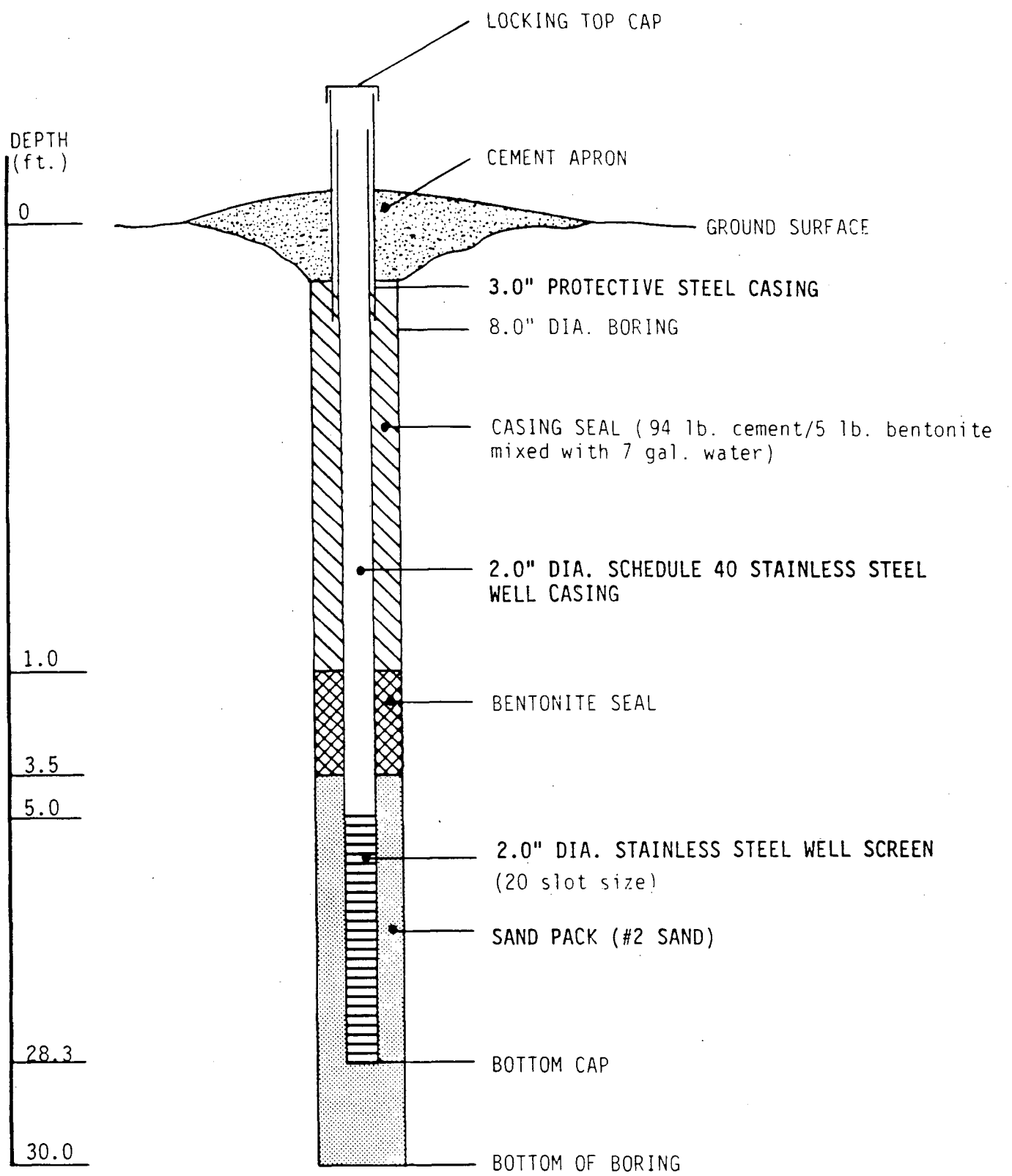
PAGE 1 OF 1
TOP OF CASING ELEVATION: 688.85
WELL DEPTH: 28.3'
CASING STICK UP: 1.56'
WATER LEVEL: 11.09'
DRILLING METHOD: Hollow-stem augers
COMPLETION AND DEVELOPMENT: Air surging

DATE STARTED: 08/13/86
DATE COMPLETED: 08/13/86

TOP OF SCREEN: 5.0'
BOTTOM OF SCREEN: 28.3'

DEPTH INTERVAL	BLOW ON SPLIT SPOON	PERCENT RECOVERY	(ppm) HNU/OVA	SAMPLES ANALYZED	SAMPLE DESCRIPTION	REMARKS
0-2	2-4-4-5	100	0		Brown fine sand and silt. Moist.	
2-4	-	60	0		Brown fine to coarse sand and silt. Moist	
4-6	1-3-5-5	70	0		Brown silt, trace clay. Moist.	
6-8	4-5-6-19	65	0		Brown silt, little sand, trace clay. Moist.	Cobbles start at 6.5 feet.
8.5-10	11-9-12	25	4.0		Brown cobbles and gravel and coarse sand, trace silt. Wet.	Cobble at 8.0-8.5'. OVA switched from 10X to 1X scale.
10-12	5-4-3-2	55	2.3		Brown fine sand and silt.	This and all remaining samples are wet.
12-14	6-7-12-6	100	2.1		Same as above.	OVA at background levels for this and all remaining samples.
14-16	2-3-4-5	50	4.6		Same as above.	Driller feels stratigraphy change at 15.5'.
16-18	4-6-7-7	50	1.5		Gray silt, some clay, little fine sand.	
18-20	wor-3-3-2	75	2.0		Gray varved silt and clay.	wor = "weight of rods", meaning that the soils were not competent enough to hold the weight of the rods resting on them. wor replaces blow counts for the number of 6" intervals through which the rods sank.
20-22	4-6-6-7	35	3.6		Gray fine sand and silt, trace clay.	
22-24	4-5-5-5	70	3.4		Same as above.	
24-26	3-4-7-7	100	3.4		Gray silt, some fine sand, trace clay.	
26-28	4-6-6-9	-	-		Gray silt, little clay, trace fine sand.	
28-30	3-5-7-10	85	0.4		Gray silt, trace clay, fine sand.	Stopped boring and installed well. Sampling continues where shallow boring left off.
30-32	5-8-10-10	0	-			
32-34	12-18-18-16	75	0		Gray silt, trace clay. Stiff.	
34-36	6-9-10-12	100	0.2		Same as above.	
36-38	wor-7-7	0	-			

MW-1S



NOT TO SCALE

MW-1D

BORING LOG

PROJECT NO.: 3438-N61-21
PROJECT: NYSEG - DANSVILLE
CLIENT: New York State Electric and Gas
LOCATION: 50 Ossian Street, Dansville, New York
DRILLING CONTRACTOR: North Star Drilling
DRILLER: Harry Lyon
TRC INSPECTOR: Carl Mohrbacher

PAGE 1 OF 2
TOP OF CASING ELEVATION: 689.01
WELL DEPTH: 80.0'
CASING STICK UP: 1.94'
WATER LEVEL: 7.41'
DRILLING METHOD: Hollow-stem augers
COMPLETION AND DEVELOPMENT: Air surging

DATE STARTED: 08/14/86
DATE COMPLETED: 08/15/86

TOP OF SCREEN: 62.5'
BOTTOM OF SCREEN: 80.0'

DEPTH INTERVAL	BLOW ON SPLIT SPOON	PERCENT RECOVERY	(ppm) HNU/OVA	SAMPLES ANALYZED	SAMPLE DESCRIPTION	REMARKS
38-40	wor-5-8-9	100	72		Gray silt, little clay. Stiff.	
40-42	wor-7-11	88	-		Same as above.	
42-44	6-8-8-10	100	0.2		Same as above.	
44-46	wor	70	10.0		Same as above.	
46-48	6-7-9-10	100	1.8		Gray silt, little clay, trace travel. Stiff.	
48-50	3-4-6-9	100	200		Gray silt, some clay, occasional fine sand lense.	Occasional high readings probably due to methane.
50-52	4-7-8-10	100	0		Same as above.	
52-54	10-12-12-12	100	7.4		Same as above.	
54.5-56	wor-4-6-10	100	210		Gray silt, little clay.	
56-58	12-16-18-21	100	1.4		Gray silt, trace clay.	
58-60	5-6-9-10	90	0.1		Same as above.	
60-62	wor-7-8	60	3.0		Same as above.	
62-64	7-8-12-12	15	0.9		Gray silt, trace clay, trace fine sand.	
64-66	3-6-9-14	100	0.4		Gray silt, some fine sand.	
66-68	wor-13-13	100	140		Gray silt and fine sand.	
68-70	6-8-10-10	100	860		Gray fine sand, some silt, trace medium sand, trace gravel.	
70-72	4-6-5-7	100	420		Gray fine sand and silt, trace clay, trace gravel.	
72-74	5-6-6-12	100	5.6		Gray silt, little fine sand, trace clay.	
74-76	wor-4	100	-		Gray silt, little fine sand.	

MW-1D

BORING LOG

PROJECT NO.: 3438-N61-21
PROJECT: NYSEG - DANSVILLE
CLIENT: New York State Electric and Gas
LOCATION: 50 Ossian Street, Dansville, New York
DRILLING CONTRACTOR: North Star Drilling
DRILLER: Harry Lyon
TRC INSPECTOR: Carl Mohrbacher

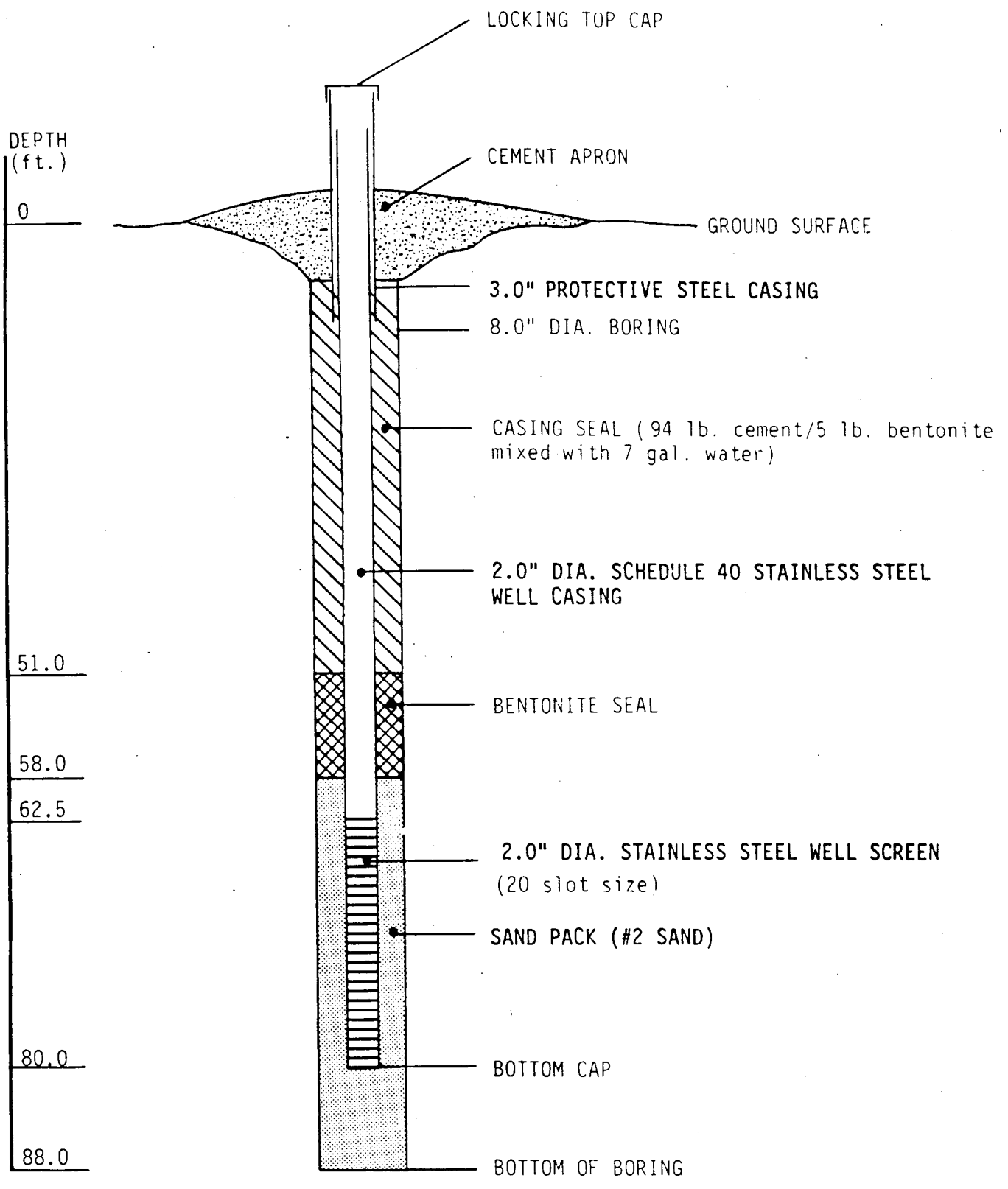
PAGE 2 OF 2
TOP OF CASING ELEVATION: 689.01
WELL DEPTH: 80.0'
CASING STICK UP: 1.94'
WATER LEVEL: 7.41'
DRILLING METHOD: Hollow-stem augers
COMPLETION AND DEVELOPMENT: Air surging

DATE STARTED: 08/14/86
DATE COMPLETED: 08/15/86

TOP OF SCREEN: 62.5'
BOTTOM OF SCREEN: 80.0'

DEPTH INTERVAL	BLOW ON SPLIT SPOON	PERCENT RECOVERY	(ppm) HNU/OVA	SAMPLES ANALYZED	SAMPLE DESCRIPTION	REMARKS
76-78	wor-3-4-4	100	310		Same as above:	
78-80	wor-6-8-12	100	1.0		Same as above.	
80-82	2-3-6-7	100	1.6		Gray silt, little fine sand, trace clay. middle 1' is silt and fine sand.	
82-84	5-8-16-22	100	1.3		82-83 gray fine sand and silt, trace clay. 83-84 gray silt, some clay.	
84-86	4-5-7-4	100	2.5		Gray silt and clay. 86-86.3 medium sand layer.	
86-88	5-4-7-3	85	200		Gray fine and medium sand, little silt.	
88-90	4-2-4-8	75	<10		Four layers of gray silt, some fine sand, interbedded with fine sand layers.	
90-92	9-6-3-4	100	2.4		Gray fine sand, some silt, trace medium sand.	
92-94	wor-3-6-10	100	5.4		Gray fine sand, some silt, little clay. 94-94.4 silt layer.	
94-96					No sample collected.	
96-98	12-12-12-12	100	850		Gray fine sand, some silt, trace clay. Two layers of silt, little fine sand, 0.2' and 0.4 thick.	
98-100	wor	100	1.8		Gray fine sand and silt. Two layers of silt, little fine sand, 0.2' and 0.4' thick.	End of boring.

MW-1D



NOT TO SCALE

MW-2S

BORING LOG

PROJECT NO.: 3438-N61-21
PROJECT: NYSEG - DANSVILLE
CLIENT: New York State Electric and Gas
LOCATION: 50 Ossian Street, Dansville, New York
DRILLING CONIRACTOR: North Star Drilling
DRILLER: Harry Lyon
TRC INSPECTOR: Carl Mohrbacher

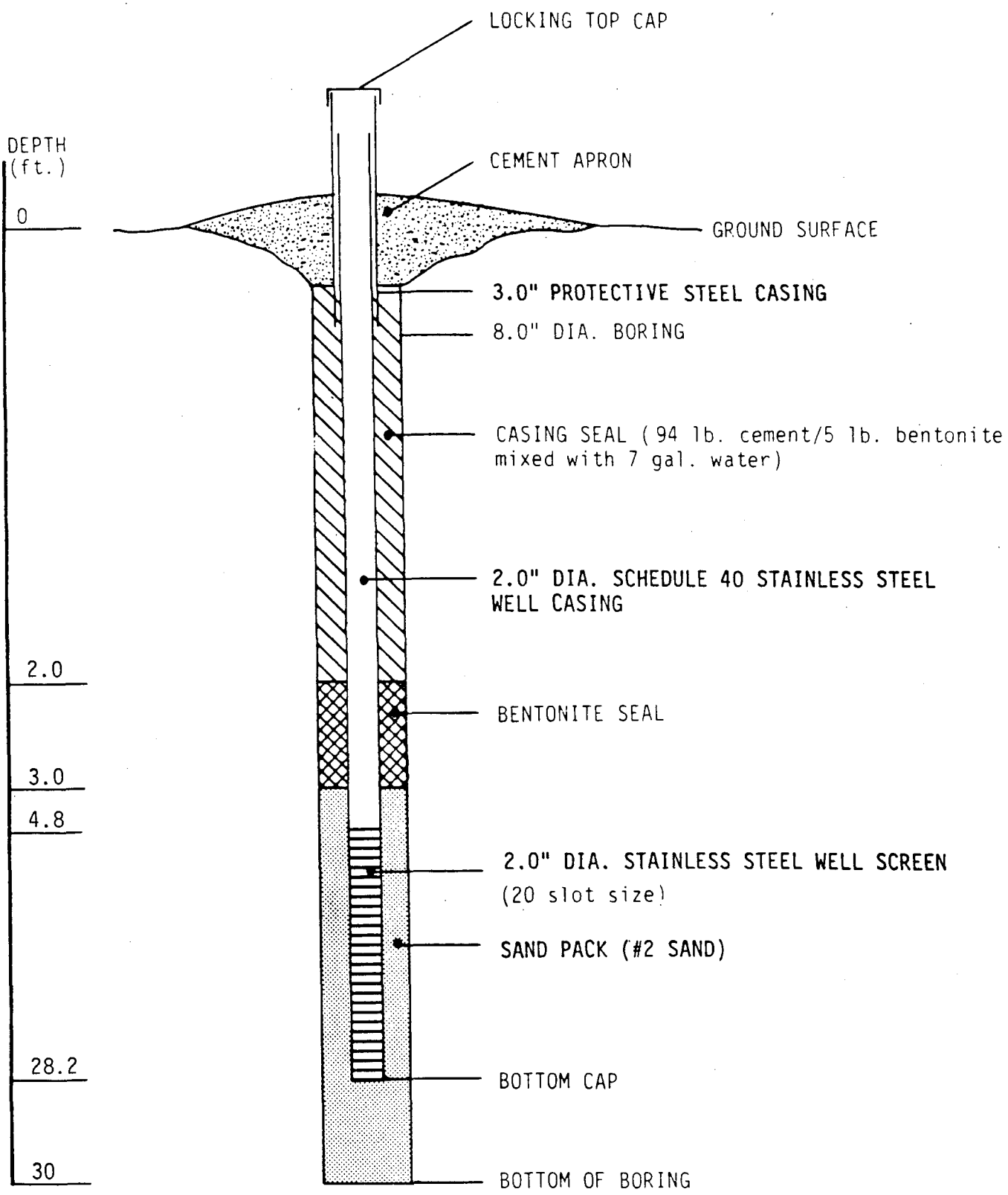
PAGE 1 OF 1
TOP OF CASING ELEVATION: 691.84
WELL DEPTH: 28.2'
CASING STICK UP: 2.02'
WATER LEVEL: 13.80'
DRILLING METHOD: Hollow-stem augers
COMPLETION AND DEVELOPMENT: Air surging

DATE STARTED: 08/18/86
DATE COMPLETED: 08/18/86

TOP OF SCREEN: 4.8'
BOTTOM OF SCREEN: 28.2'

DEPTH INTERVAL	BLOW ON SPLIT SPOON	PERCENT RECOVERY	(ppm) HNU/OVA	SAMPLES ANALYZED	SAMPLE DESCRIPTION	REMARKS
0-2	2-1-3-2	40	-		Top soil with 0.1' thick black ash layer in middle and 0.1' thick tan sand at bottom. Moist.	
2-4	2-1-1-1	60	0		Tan sand. Moist.	Auger encountered cobbles at 4'.
4-6	7-15-9-11	68	0		Tan gravel and sand. Moist.	
6-8	8-12-9-14	45	-		Same as above.	Recalibrated OVA. Background = 0.9 ppm.
8-10	8-24-20-15	63	1.4-5.4		Tan gravel and sand. Moist.	
10-12	10-25-14-12	45	30-48		Same as above.	
12-14	12-11-10-9	75	2.0		Upper half: same as above. Lower half: tan medium sand. Wet.	Strata change probably occurs at 13'.
14-16	5-10-9-7	100	-		Tan fine to medium sand.	Recalibrated OVA. All readings after this point were equal to background levels, unless otherwise noted.
16-18	5-7-6-9	100	-		16-17 tan fine sand and silt. 17-17.5 gray fine sand and silt. 17.5-18 gray silt, trace clay.	
18-20	wor-3-3	100	1.3		Gray varved fine sand vs. silt, trace clay.	OVA background = 0.8 ppm.
20-22	3-4-5-4	100	1.5		Same as above, with one 0.3' fine sand layer.	Smelled coal tar.
22-24	3-3-3-5	100	1.5		Same as above, grading to all silt, trace clay in the bottom 0.4'.	Smelled coal tar.
24-26	wor-4-7	75	1.6		Gray silt, little clay.	OVA background = 1.4 ppm.
26-28	4-6-7-7	100	2.0-5.0		Gray varved silt, trace clay vs. fine sand and silt.	
28-30	5-6-7-6	100	1.4		Gray silt, some clay.	OVA background = 1.2 ppm. Shallow well installed.

MW-2S



NOT TO SCALE

MW-2D

BORING LOG

PROJECT NO.: 3438-N61-21
PROJECT: NYSEG - DANSVILLE
CLIENT: New York State Electric and Gas
LOCATION: 50 Ossian Street, Dansville, New York
DRILLING CONTRACTOR: North Star Drilling
DRILLER: Harry Lyon
TRC INSPECTOR: Carl Mohrbacher

TOP OF CASING ELEVATION: 691.40
WELL DEPTH: 86.5'
CASING STICK UP: 1.59'
WATER LEVEL: 12.12'
DRILLING METHOD: Hollow-stem augers
COMPLETION AND DEVELOPMENT: Air surging

DATE STARTED: 08/18/86
DATE COMPLETED: 08/19/86

TOP OF SCREEN: 70.5'
BOTTOM OF SCREEN: 86.5'

DEPTH INTERVAL	BLOW ON SPLIT SPOON	PERCENT RECOVERY	(ppm) HNU/OVA	SAMPLES ANALYZED	SAMPLE DESCRIPTION	REMARKS
30-32	3-5-6-7	25	BG		Gray silt, some clay.	BG = OVA reads background levels.
35-37	10-10-10-10	100	-		Gray silt, some fine sand.	Switch to standard sampling (every 5').
40-42	4-8-9-9	100	BG		Gray silt, some fine sand. Layer of silt and fine sand 41.5-42.	OVA reading from sandy layer = BG + 0.6 ppm.
45-47	3-4-6-6	75	0.6-1.4		Gray silt, some clay.	
50-52	3-6-9-13	85	-		Gray clay, some silt.	
55-57	2-3-3-6	100	1.0-2.0		55-55.8 gray silt. 55.8-57 gray fine sand layered with fine sand, some silt.	BG = 0.2. Return to continuous sampling.
58-60	wor-6-6	100	BG		Gray fine sand, some silt.	
60-62	4-9-9-9	100	BG		Gray fine sand, little silt.	
62-64	11-11-11	60	BG+0.2		Gray fine sand, layers of medium sand with little silt.	
64-66	10-13-13-13	85	BG		Gray fine sand, little silt, trace fine gravel.	
66-68	6-14-19-19	100	-		Gray fine sand, little silt, trace fine gravel. Layer medium sand 0.2' thick.	
68-70	11-13-15-17	100	BG		Gray medium sand, trace silt. Layer fine sand, little silt 0.5' thick.	
70-72	wor	0	-			
72-74	6-16-20-34	100	1.0		72-73.1 medium sand. 73.1-74 coarse sand and gravel, trace fine sand.	
74-76	8-16-34-40	100	7-19		Coarse sand and gravel.	
79-81	44-100-refusal	25	24		Medium sand.	

MW-2D

BORING LOG

PROJECT NO.: 3438-N61-21
PROJECT: NYSEG - DANSVILLE
CLIENT: New York State Electric and Gas
LOCATION: 50 Ossian Street, Dansville, New York
DRILLING CONTRACTOR: North Star Drilling
DRILLER: Harry Lyon
TRC INSPECTOR: Carl Mohrbacher

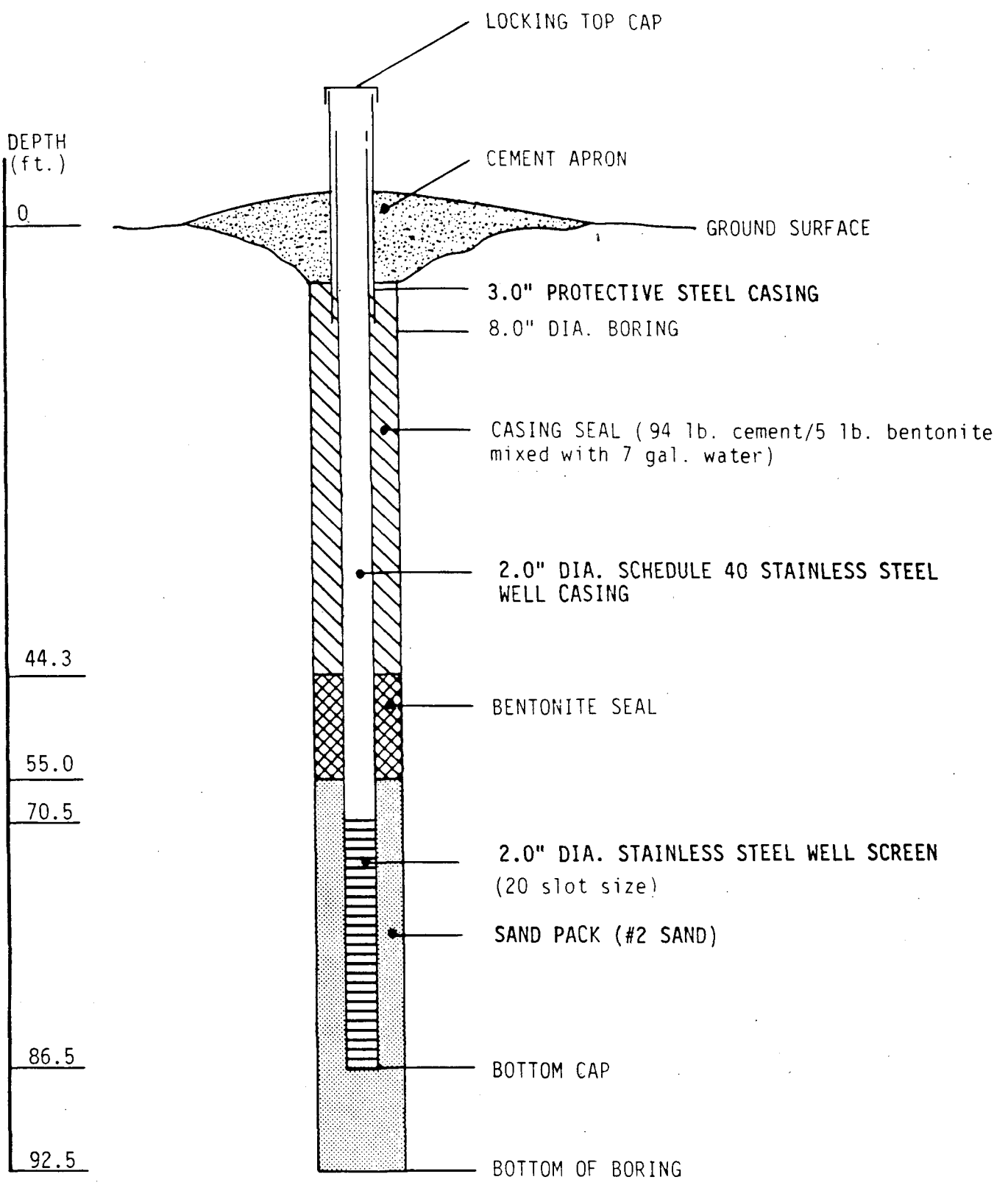
PAGE 2 OF 2
TOP OF CASING ELEVATION: 691.40
WELL DEPTH: 86.5'
CASING STICK UP: 1.59'
WATER LEVEL: 12.12'
DRILLING METHOD: Hollow-stem augers
COMPLETION AND DEVELOPMENT: Air surging

DATE STARTED: 08/18/86
DATE COMPLETED: 08/19/86

TOP OF SCREEN: 70.5'
BOTTOM OF SCREEN: 86.5'

DEPTH INTERVAL	BLOW ON SPLIT SPOON	PERCENT RECOVERY	(ppm) HNU/OVA	SAMPLES ANALYZED	SAMPLE DESCRIPTION	REMARKS
85-86.5	35-27-22	100	BG		Medium sand, trace fine gravel. Lower half is coarse sand and gravel.	
90.5-92.5	9-9-11-8	85	-		Grading top to bottom: silt, some fine sand to silt, some clay.	Driller felt strata change at 86.5'. End of boring.

MW-2D



NOT TO SCALE

MW-3S

BORING LOG

PROJECT NO.: 3438-N61-21
PROJECT: NYSEG - DANSVILLE
CLIENT: New York State Electric and Gas
LOCATION: 50 Ossian Street, Dansville, New York
DRILLING CONTRACTOR: North Star Drilling
DRILLER: Harry Lyon
TRC INSPECTOR: Carl Mohrbacher

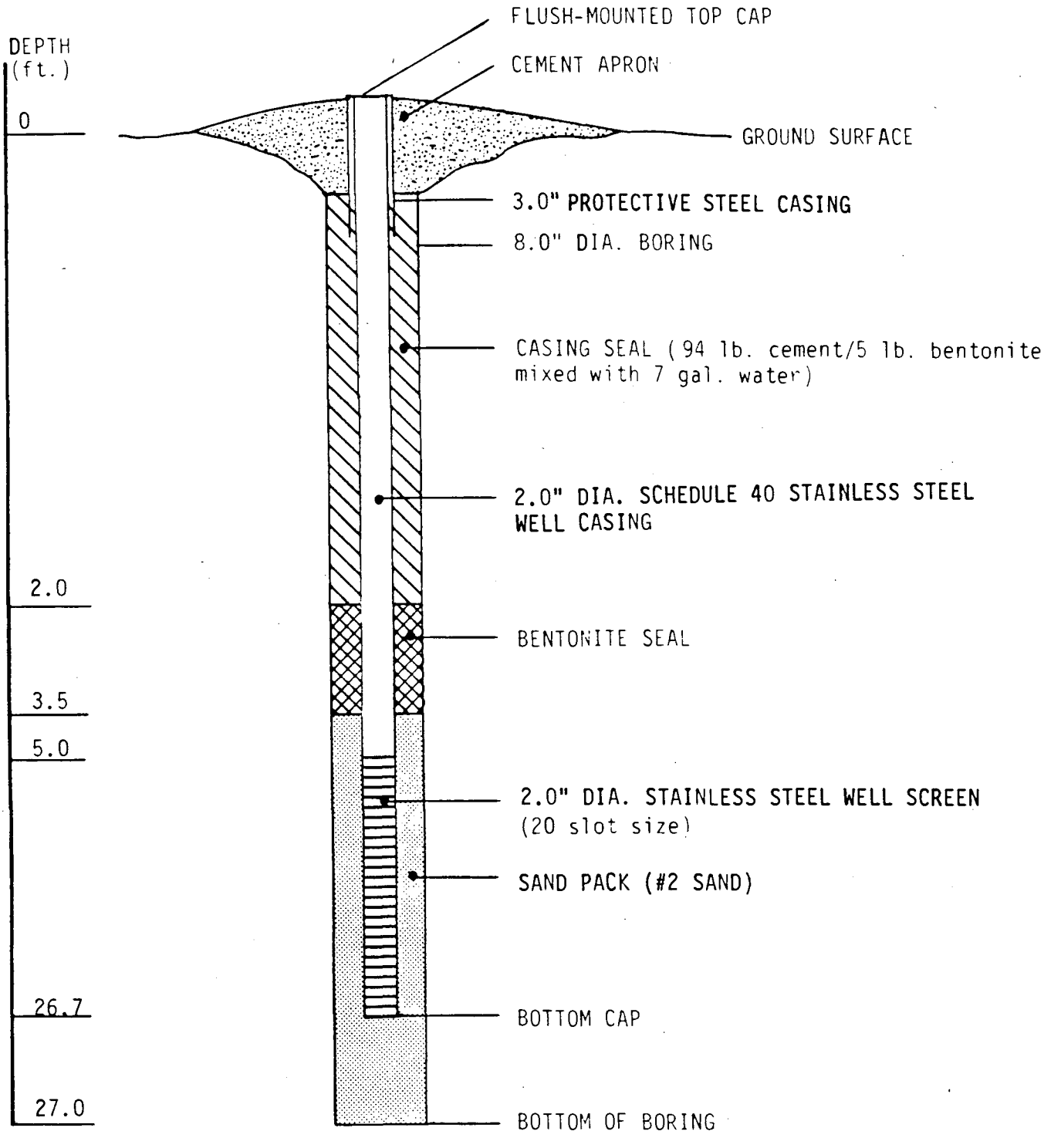
PAGE 1 OF 1
TOP OF CASING ELEVATION: 686.68
WELL DEPTH: 26.7'
CASING STICK UP: -0.63'
WATER LEVEL: 9.82'
DRILLING METHOD: Hollow-stem augers
COMPLETION AND DEVELOPMENT: Air surging

DATE STARTED: 08/21/86
DATE COMPLETED: 08/21/86

TOP OF SCREEN: 5.0'
BOTTOM OF SCREEN: 26.7'

DEPTH INTERVAL	BLOW ON SPLIT SPOON	PERCENT RECOVERY	(ppm) HNU/OVA	SAMPLES ANALYZED	SAMPLE DESCRIPTION	REMARKS
0.5-2.0	6-8-2	35	1.8		Black top, gravel base, sand, silt.	OVA background (BG) - 1.0.
2-4	9-6-6-7	5	BG		Same as above.	
4-6						No sample taken.
6-8	2-1-2-1	15	10		Silt, sand, gravel, ash.	
8-10	4-29-17-24	45	1.8		Silt, sand, gravel, cobbles. Color grades from tan at the top to black at the bottom. Moist.	Augers encounter cobbles at 8.5'.
10-12	7-14-10-12	30	36		Same as above except wet. Saturated with coal tar.	Water measured at 9.8'.
12-14	10-11-8-9	60	3.4-24		0-0.5 gray fine sand, trace silt. 0.5-12. silt, sand, gravel, cobbles.	OVA readings higher in gravel vs. sand.
14-16	wor-2-3-3	15	BG		Fine sand, little silt.	
16-18	6-6-6-9	60	-		Gray varved fine sand, little silt vs. silt, trace fine sand.	
18-20	3-3-4-6	60	6.0		Same as above.	
20-22	wor-5	100	1.6		20-21 same as above. 21-22 silt and clay, trace fine sand.	
22-24	1-2-2-2	100	1.6		Gray clay, little silt.	
24-26	8-6-5-4	80	2.2		24-25 same as above. 25-26 gray fine sand, little silt.	
26-28	2-2-3-3	75	1.4		Gray clay, little silt. Varved fine sand vs. silt and clay layers in upper 0.4' of sample.	
28-30	2-3-3-3	100	1.0		Gray clay, little silt.	Boring continues for deep well (see MW-3D).

MW-3S



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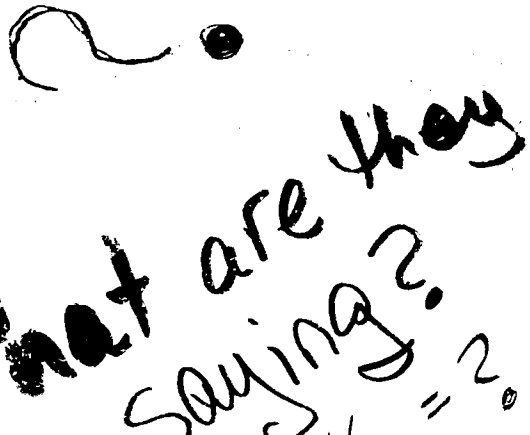

What are they saying?
vs. =?

MW-3D

BORING LOG

PROJECT NO.: 3438-N61-21
PROJECT: NYSEG - DANSVILLE
CLIENT: New York State Electric and Gas
LOCATION: 50 Ossian Street, Dansville, New York
DRILLING CONTRACTOR: North Star Drilling
DRILLER: Harry Lyon
TRC INSPECTOR: Carl Mohrbacher

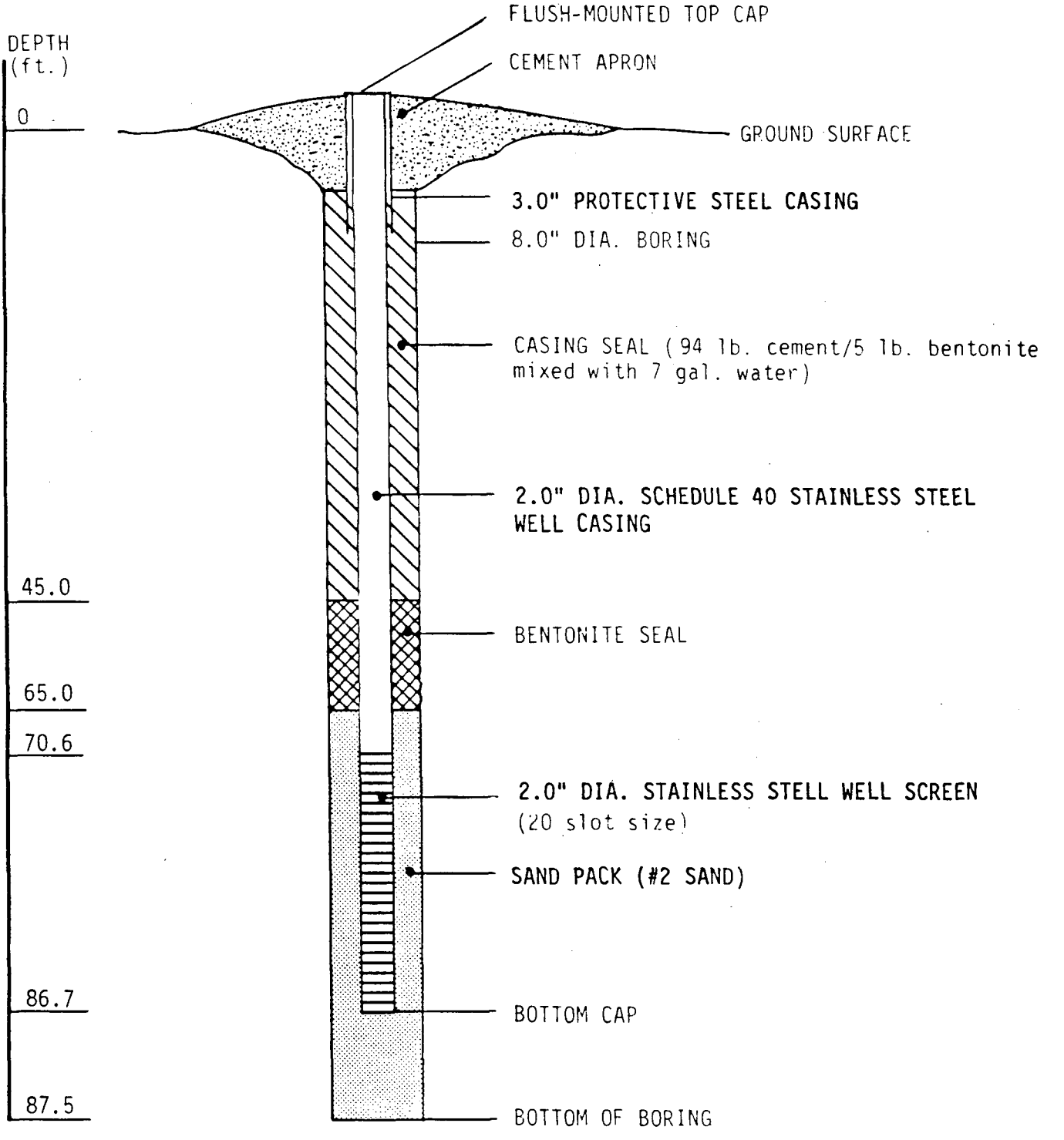
PAGE 1 OF 1
TOP OF CASING ELEVATION: 686.71
WELL DEPTH: 86.7'
CASING STICK UP: -0.44'
WATER LEVEL: 9.59'
DRILLING METHOD: Hollow-stem augers
COMPLETION AND DEVELOPMENT: Air surging

DATE STARTED: 08/20/86
DATE COMPLETED: 08/20/86

TOP OF SCREEN: 70.6'
BOTTOM OF SCREEN: 86.7'

DEPTH INTERVAL	BLOW ON SPLIT SPOON	PERCENT RECOVERY	(ppm) HNU/OVA	SAMPLES ANALYZED	SAMPLE DESCRIPTION	REMARKS
35-37	wor-2-4-4	100	6.0		Gray silt, little clay.	See log of MW-3S for upper 30'. Switched to standard sampling.
40-42	1-2-3-3	100	BG		Gray clay, little silt, with 0.1' thick layers of fine sand and silt spaced 0.3' apart.	
45-47	4-5-7-8	100	BG		Gray varved silt, some clay vs. fine sand.	
50-52	6-9-11-17	100	1.4		Gray silt, some clay, travel gravel.	
55-57	6-8-10-15	100	-		Gray silt, little clay.	
60-62	5-8-9-10	100	-		Gray silt, little fine sand.	
65-67	4-6-7-12	85	-		Gray silt, trace gravel.	
70-72	7-10-14-23	85	-		Same as above.	
75-77	5-6-8-10	100	7.0		Layers (0.4' thick) of: Coarse sand and fine gravel. Medium sand. Silt, some sand.	Driller felt strata change at 73'.
80-82	15-20-22-30	90	5.0		Gray silt, little clay. 0.2 thick layer of medium sand at bottom of sample.	
85.5-87.5	10-16-16-21	100	-		Gray silt, little clay.	End of boring.

MW-3D



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APPENDIX C

PERMEABILITY DATA AND CALCULATIONS

1.0 INTRODUCTION

The horizontal hydraulic conductivities of the aquifer materials surrounding each well at Dansville except MW-3S were calculated. A variety of methods were used to measure the conductivities. Slug injection tests were used at MW-2S and MW-1D, pumping tests at MW-1S and MW-2D, and a constant head test at MW-3D.

2.0 CONSTANT HEAD TEST

The equation used to calculate the horizontal hydraulic conductivity from a constant head test is that for a well point in uniform soil as given in Lambe and Whitman (1969):

$$K_h = \frac{q \bullet \ln \left[\frac{mL}{D} + \sqrt{1 + \left(\frac{mL}{D} \right)^2} \right]}{2 \bullet \pi \bullet L \bullet H_c}$$

Where:

D = Diameter of intake (screen)
L = Length of screened interval
H_c = Constant head
q = Flow of water
m = Transformation ratio

The diameter of the screen, D is 5.08 cm (2 inches), and the transformation ratio, m, is 3.16. The constant head, H_c, and flow of water, g, of each well were determined during the constant head test. These data, as well as the length of screen, L, are presented in Table C-1.

Based on these data, the calculation of horizontal hydraulic conductivity at monitoring well MW-3D is as follows:

$$K_h = \frac{q \bullet \ln \left[\frac{mL}{D} + \sqrt{1 + \left(\frac{mL}{D} \right)^2} \right]}{2 \bullet \pi \bullet L \bullet H_c}$$

$$K_h = \frac{16.8 \ (cm^3/sec) \bullet \ln \left[\frac{(3.16)(304.8 \ cm)}{5.08 \ cm} + \sqrt{1 + \left(\frac{(3.16)(304.8 \ cm)}{5.08 \ cm} \right)^2} \right]}{(2)(3.14)(304.8 \ cm)(206.7 \ cm)}$$

$$K_h = \frac{16.8 \ cm^3/sec \bullet \ln 379.2}{395{,}654 \ cm^2}$$

$$K_h = 2.52 \times 10^{-4} \ cm/sec$$

TABLE C-1

Monitoring Well	L (cm)	Hc (cm)	Injection Rate (cm^3/sec)	K (cm/sec)
MW-3D	304.8	206.7	16.8	2.52×10^{-4}

3.0 FALLING HEAD TESTS

The equation used to calculate the conductivity from a slug injection test is that for a well point in uniform soil as given in Lambe and Whitman (1969):

$$K_h = \frac{D^2 \cdot \ln\left(\frac{2mL}{D}\right)}{8 \cdot L\,(t_2 - t_1)} \ln\left(\frac{H_1}{H_2}\right)$$

For both MW-1D and MW-2S, the diameter of the well, D, is 5.08 cm (2 inches), and the transformation ratio, m, is 3.16. The length of the screen, L, in MW-1D is 304.8 and 713.2 cm in MW-2S. However, an L value of 152.4 cm was used for MW-2S because this is the thickness of the saturated sand and gravel layer. The head vs. time (H vs. t) data for MW-1D and MW-3S are presented in Tables C-2 and C-3, respectively. The values chosen for H_1, H_2, t_1 and t_2 are presented in Table C-4.

Based on these data, the calculation of horizontal hydraulic conductivity at both monitoring wells is as follows:

1. MW-1D

$$K_h = \frac{(5.08)^2 \ln\left(\frac{2\,(3.16)\,304.8}{5.08}\right)}{8\,(304.8)(270-60)} \ln\left(\frac{218.2}{192.0}\right)$$

$$= \frac{25.8 \ln (379.2)}{512{,}064} \ln (1.14)$$

$$= 3.92 \times 10^{-5} = \text{cm/sec}$$

TABLE C-2

Falling Head Data for MW-1D

Elapsed Time (sec)	Head Relative to Tranducer (cm)
-5	0
0	243.8
5	231.7
10	227.7
20	226.5
30	224.0
45	221.3
60	218.2
90	213.7
120	209.4
150	205.7
180	201.8
210	197.5
240	195.1
270	192.0
300	190.2
480	172.5
600	164.0
900	142.3
1,200	125.6
1,800	98.5
2,700	80.2
3,600	66.1

TABLE C-3

Falling Head Data for MW-2S

Elapsed Time (sec)	Head Relative to Tranducer (cm)
-5	51.2
0	164.6
20	163.4
30	159.1
40	157.6
50	156.1
65	153.9
80	151.8
95	149.4
110	146.9
140	140.2
170	135.0
240	127.7
300	120.7
510	102.7
600	96.6
750	89.6
900	84.1

TABLE C-4

Monitoring Well	L (cm)	H^1 (cm)	H^2 (cm)	t^1 (sec)	t^2 (sec)	K (cm/sec)
MW-1D	304.8 304.8	218.2 201.8	192.0 164.0	60 180	270 600	3.50×10^{-5}
MW-2S	151.5	145.4	95.7	120	480	1.70×10^{-4}

and

$$K_h = \frac{(5.08)^2 \ln \frac{2\,(3.16)\,304.8}{5.08}}{8\,(304.8)(600-180)} \ln \frac{201.8}{164.0}$$

$$= \frac{25.8 \ln (379.2)}{1{,}024{,}128} \ln (1.23)$$

$$= 3.09 \times 10^{-5} = \text{cm/sec}$$

so

average $K_h = (3.92 \times 10^{-5} + 3.09 \times 10^{-5})/2 = 3.51 \times 10^{-5}$

2. MW-2S

$$K_h = \frac{(5.08)^2 \ln \frac{(2\,(3.16)\,151.5)}{5.08}}{8\,(151.5)(480-120)} \ln \frac{145.4}{95.7}$$

$$= \frac{25.8 \ln (957.5)}{436{,}320} \ln (1.52)$$

$$= 1.70 \times 10^{-4} = \text{cm/sec}$$

4.0 PUMPING TESTS

The equation used to calculate the transmissivity from a single-well pumping test is the Cooper-Jacob Approximation:

$$T = \frac{2.30\ Q}{4\ \pi\ \Delta s}$$

where:

T = Kb = transmissivity
Q = constant discharge rate
Δs = the drawdown for one log cycle of elapsed time over the straight-line portion of the graph.

However, at Dansville the recovery data were used instead of the pumping data because recovery data are less sensitive to fluctuations in pumping rate. The equation is analogous to the pumping test equation:

$$T = \frac{2.30\ Q}{4\ \pi\ \Delta s'}$$

where:

Q = imaginary discharge rate = average of actual pumping discharge rate
Δs = the drawdown for one log cycle of the ratio t/t'
t/t' = total elapsed time since start of pumping/elapsed time since beginning of recovery period (pump off).

Tables C-5 and C-6 present the residual draw-down and time data for MW-1S and MW-2D, respectively. Table C-7 lists the Δs', T, b, and K values for these 2 wells. The b values in Table C-7 are representative of the saturated thickness of the sand and gravel layer. Because the sand and gravel layer probably has a hydraulic conductivity 2 or more orders of magnitude greater than the silt and fine sand layers, almost all the water that is transmitted to the well comes from the sand and gravel layer.

TABLE C-5

Time vs. Residual Drawdown Data
for the Recovery Test on MW-1S

t (min)	t' (min)	t/t'	s'
46.0	0.0	∞	8.88
46.16	0.16	277.01	8.75
46.50	0.50	93.00	8.61
46.83	0.83	56.20	8.47
47.50	1.50	31.60	8.09
48.50	2.50	19.40	7.64
49.50	3.50	14.14	7.19
51.0	5.00	10.20	6.61
53.5	7.50	7.13	5.65
56.0	10.00	5.60	4.16
58.50	12.50	4.68	3.50
61.00	15.00	4.06	2.94
66.50	20.00	3.33	1.71
71.00	25.00	2.84	1.00
76.00	30.00	2.53	0.51

TABLE C-6

Time vs. Residual Drawdown Data
for the Recovery Test on MW-2D

t (min)	t' (min)	t/t'	s'
60.	0	∞	13.44
60.083	0.083	721.00	12.94
60.16	0.16	361.01	12.64
60.30	0.30	181.18	12.05
60.50	0.50	121.00	11.46
60.60	0.60	91.00	10.94
60.83	0.83	73.00	10.44
61.00	1.00	61.00	10.01
61.50	1.50	41.00	8.76
62.00	2.00	31.00	7.66
62.50	2.50	25.00	6.81
63.00	3.00	21.00	6.09
63.50	3.50	18.14	5.53
64.00	4.00	16.00	4.96
64.50	4.50	14.30	4.54
65.00	5.00	13.00	4.19
66.00	6.00	11.00	3.64
67.00	7.00	9.57	3.17
68.00	8.00	8.50	3.13
69.00	9.00	7.60	3.08
70.00	10.00	7.00	3.04
73.00	13.00	5.61	2.96
76.00	16.00	4.75	2.89
79.00	19.00	4.16	2.83
82.00	22.00	3.73	2.78

TABLE C-7

Monitoring Well	Q (cm^3/sec)	$\Delta s'$ (cm)	T (cm^2/sec)	b (cm)	K (cm/sec)
MW-1S	0.30	354	1.55×10^{-4}	14.48	1.07×10^{-5}
MW-2D	35.8	279	2.35×10^{-2}	488	4.81×10^{-5}

APPENDIX D

ANALYTICAL RESULTS - SUBSURFACE SOILS

TABLE D-1
DANSVILLE SUB-SURFACE SOIL SAMPLES
RESULTS FOR VOLATILE COMPOUNDS

	SAMPLE ID	TP-1	TP-1	TP-3	TP-4	TP-5
	DATE	07/31/86	07/31/86	07/29/86	07/29/86	07/31/86
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
VOLATILE COMPOUNDS	UNITS					
BENZENE	UG/G DRY	0.13	0.22	24.	0 39	<0 09
CHLOROBENZENE	UG/G DRY	<0 05	<0.06	<0 20	<0.10	<0.09
1.2-DICHLOROBENZENE	UG/G DRY	0 51	<0.13	<0 39	<0.20	<0.18
1.3-DICHLOROBENZENE	UG/G DRY	<0.10	<0.13	<0 39	<0.20	<0.18
1.4-DICHLOROBENZENE	UG/G DRY	<0.10	<0 13	<0.39	<0.20	<0.18
ETHYLBENZENE	UG/G DRY	0 40	0 94	41	5.0	<0.09
TOLUENE	UG/G DRY	<0.05	<0.06	58	<0.10	<0.09
TOTAL VOLATILES	UG/G DRY	1 04	1.16	123.	5.39	ND

	SAMPLE ID	TP-6	TP-7	TP-9	TP-10A	TP-10B
	DATE	07/29/86	07/29/86	07/31/86	07/31/86	07/31/86
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	GRAB
VOLATILE COMPOUNDS	UNITS					
BENZENE	UG/G DRY	0.31	<0.11	40.	<0.10	<0.11
CHLOROBENZENE	UG/G DRY	<0.15	<0.11	<0.14	<0.10	<0.11
1.2-DICHLOROBENZENE	UG/G DRY	<0.30	<0.22	<0.29	<0.19	<0.22
1.3-DICHLOROBENZENE	UG/G DRY	<0 30	<0.22	<0.29	<0.19	<0.22
1.4-DICHLOROBENZENE	UG/G DRY	<0.30	<0.22	<0.29	<0.19	<0.22
ETHYLBENZENE	UG/G DRY	<0.15	<0.11	42.	1.3	2.4
TOLUENE	UG/G DRY	<0.15	<0 11	57.	<0.11	0.17
TOTAL VOLATILES	UG/G DRY	0.31	ND	139.	1.3	2.57

ND = NOT DETECTED

TABLE D-1
DANSVILLE SUB-SURFACE SOIL SAMPLES
RESULTS FOR VOLATILE COMPOUNDS
(CONTINUED)

	SAMPLE ID	TP-11	TP-12	TP-13	TP-14	TP-15
	DATE	07/30/86	07/30/86	07/30/86	07/30/86	07/30/86
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	GRAB
VOLATILE COMPOUNDS	UNITS					
BENZENE	UG/G DRY	39.	<0.08	<0.09	0.18	<0.11
CHLOROBENZENE	UG/G DRY	<0.21	<0.08	<0.09	<0.11	<0.11
1,2-DICHLOROBENZENE	UG/G DRY	<0.41	<0.16	<0.17	<0.21	<0.21
1,3-DICHLOROBENZENE	UG/G DRY	<0.41	<0.16	<0.17	<0.21	<0.21
1,4-DICHLOROBENZENE	UG/G DRY	<0.41	<0.16	<0.17	<0.21	<0.21
ETHYLBENZENE	UG/G DRY	50	<0.08	<0.09	0.70	<0.11
TOLUENE	UG/G DRY	56	<0.08	<0.09	0.19	<0.11
TOTAL VOLATILES	UG/G DRY	145.	ND	ND	1.07	ND

	SAMPLE ID	TP-16	TP-16	TP-17	TP-18	TP-20
	DATE	07/30/86	7/30/86	08/01/86	08/01/86	08/01/86
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
VOLATILE COMPOUNDS	UNITS					
BENZENE	UG/G DRY	<0.07	<0.08	0.07	0.08	0.54
CHLOROBENZENE	UG/G DRY	<0.07	<0.08	<0.07	<0.07	<0.16
1,2-DICHLOROBENZENE	UG/G DRY	<0.14	<0.15	0.20	<0.14	<0.31
1,3-DICHLOROBENZENE	UG/G DRY	<0.14	<0.15	<0.13	<0.14	0.36
1,4-DICHLOROBENZENE	UG/G DRY	<0.14	<0.15	<0.12	0.77	3.6
ETHYLBENZENE	UG/G DRY	<0.07	<0.08	0.10	0.07	<0.16
TOLUENE	UG/G DRY	<0.07	<0.08	0.09	<0.07	<0.16
TOTAL VOLATILES	UG/G DRY	ND	ND	0.46	0.92	4.50

ND = NOT DETECTED

TABLE D-2
DANSVILLE SUB-SURFACE SOIL SAMPLES
RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS

	SAMPLE ID	TP-1	TP-1	TP-3	TP-4	TP-5
	DATE	07/31/86	07/31/86	07/29/86	07/29/86	07/31/86
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
POLYNUCLEAR AROMATIC HYDROCRABONS	UNITS					
POTENTIAL CARCINOGENS						
BENZO (A) ANTHRACENE	UG/G DRY	8.5	9.2	18.	<0.09	<0.08
BENZO (A) PYRENE	UG/G DRY	0.55	0.65	1.1	<0.02	<0.02
BENZO (B) FLUORANTHENE	UG/G DRY	1.6	1.7	3.6	<0.14	<0.12
BENZO (GHI) PERYLENE	UG/G DRY	0.51	0.75	1.0	<0.07	<0.06
BENZO (K) FLUORANTHENE	UG/G DRY	0.88	1.0	2.0	0.07	<0.06
CHRYSENE	UG/G DRY	2.1	2.2	4.7	<0.03	<0.03
DIBENZO (A,H) ANTHRACENE	UG/G DRY	<0.01	<0.01	<0.01	<0.01	<0.01
INDENO (1,2,3-CD) PYRENE	UG/G DRY	0.45	0.71	1.1	<0.08	<0.07
NON-CARCINOGENS						
ACENAPHTHENE	UG/G DRY	NA	<0.03	7.1	<0.02	<0.01
ACENAPHTHYLENE	UG/G DRY	NA	2.7	170	0.34	<0.20
ANTHRACENE	UG/G DRY	2.3	2.5	6.6	<0.05	<0.05
FLUORANTHENE	UG/G DRY	29	29.	67.	0.18	<0.14
FLUORENE	UG/G DRY	NA	0.32	0.87	<0.01	<0.01
NAPHTHALENE	UG/G DRY	NA	<1.5	<1.6	<0.70	<0.61
PHENANTHRENE	UG/G DRY	NA	0.80	2.0	0.01	<0.01
PYRENE	UG/G DRY	3.7	4.1	8.6	<0.08	<0.07
TOTAL PAHS	UG/G DRY	49.59	55.63	293.67	0.53	ND

NA = NOT ANALYZED

TABLE D-2
DANSVILLE SUB-SURFACE SOIL SAMPLES
RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS
(CONTINUED)

	SAMPLE ID	TP-6	TP-7	TP-9	TP-10a	TP-10b
	DATE	07/29/86	07/29/86	07/31/86	07/31/86	07/31/86
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	GRAB
POLYNUCLEAR AROMATIC HYDROCRABONS	UNITS					
POTENTIAL CARCINOGENS						
BENZO (A) ANTHRACENE	UG/G DRY	<0.14	<0.08	17.	4.0	0.12
BENZO (A) PYRENE	UG/G DRY	<0.03	<0.02	1.0	0.63	<0.02
BENZO (B) FLUORANTHENE	UG/G DRY	<0.20	<0.12	3.0	1.4	0.18
BENZO (GHI) PERYLENE	UG/G DRY	<0.11	<0.06	1.3	0.51	<0.07
BENZO (K) FLUORANTHENE	UG/G DRY	<0.10	<0.06	2.2	0.75	<0.06
CHRYSENE	UG/G DRY	<0.004	<0.03	4.1	1.4	0.03
DIBENZO (A H) ANTHRACENE	UG/G DRY	<0.01	<0.01	0.1	<0.01	<0.01
INDENO (1.2.3-CD) PYRENE	UG/G DRY	<0.11	<0.07	1.3	0.69	<0.07
NON-CARCINOGENS						
ACENAPHTHENE	UG/G DRY	<0.02	<0.01	4.3	<0.02	<0.01
ACENAPHTHYLENE	UG/G DRY	1.1	<0.20	130.	4.0	0.35
ANTHRACENE	UG/G DRY	<0.08	<0.05	4.5	1.0	0.05
FLUORANTHENE	UG/G DRY	<0.24	<0.14	53.	11.	0.36
FLUORENE	UG/G DRY	<0.02	<0.01	62.	0.38	<0.01
NAPHTHALENE	UG/G DRY	<1.1	<0.61	<0.78	<1.1	<0.65
PHENANTHRENE	UG/G DRY	<0.02	<0.01	0.4	0.04	0.01
PYRENE	UG/G DRY	<0.12	<0.07	6.4	1.5	<0.07
TOTAL PAHS	UG/G DRY	1.1	ND	290.6	27.3	1.1

ND = NOT DETECTED

TABLE D-2
DANSVILLE SUB-SURFACE SOIL SAMPLES
RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS
(CONTINUED)

	SAMPLE ID	TP-11	TP-12	TP-13	TP-14	TP-15
	DATE	07/30/86	07/30/86	07/30/86	07/30/86	07/30/86
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	GRAB
POLYNUCLEAR AROMATIC HYDROCRABONS	UNITS					
POTENTIAL CARCINOGENS						
BENZO (A) ANTHRACENE	UG/G DRY	58.	0.13	<0 09	2.7	0.76
BENZO (A) PYRENE	UG/G DRY	4 1	0.03	<0.02	0 19	0.42
BENZO (B) FLUORANTHENE	UG/G DRY	15.	<0 15	<0.13	0.54	1.2
BENZO (GHI) PERYLENE	UG/G DRY	3.9	0.09	<0.07	0.20	0.37
BENZO (K) FLUORANTHENE	UG/G DRY	7 7	<0 07	<0.07	0 37	0.17
CHRYSENE	UG/G DRY	16	<0.03	<0 03	0.71	0.19
DIBENZO (A,H) ANTHRACENE	UG/G DRY	0 42	<0.01	<0 01	<0.01	0.07
INDENO (1.2.3-CD) PYRENE	UG/G DRY	3.7	<0.08	<0.08	0.18	0.74
NON-CARCINOGENS						
ACENAPHTHENE	UG/G DRY	16.	<0.02	<0.02	<0.02	<0.02
ACENAPHTHYLENE	UG/G DRY	380.	<0.25	<0.23	0.42	<0.23
ANTHRACENE	UG/G DRY	19.	<0.06	<0.05	0.67	<0.05
FLUORANTHENE	UG/G DRY	230.	0.18	<0.16	10.	<0.16
FLUORENE	UG/G DRY	2.0	<0.01	<0.01	<0 08	<0 09
NAPHTHALENE	UG/G DRY	<2.1	<0 76	<0.70	<0.75	<0.70
PHENANTHRENE	UG/G DRY	7.4	<0.01	<0.01	0.06	<0.01
PYRENE	UG/G DRY	29.	<0.09	<0.08	1.3	<0.08
TOTAL PAHS	UG/G DRY	752.22	0 43	ND	17.34	3.92

ND = NOT DETECTED

TABLE D-2
DANSVILLE SUB-SURFACE SOIL SAMPLES
RESULTS FOR POLYNUCLEAR AROMATIC HYDROCARBONS
(CONTINUED)

SAMPLE ID		TP-16	TP-16	TP-17	TP-18	TP-20
DATE		07/30/86	07/30/86	08/01/86	08/01/86	08/01/86
SAMPLE TYPE		GRAB	DUPLICATE	GRAB	GRAB	GRAB
POLYNUCLEAR AROMATIC HYDROCRABONS	UNITS					
POTENTIAL CARCINOGENS						
BENZO (A) ANTHRACENE	UG/G DRY	<0.09	<0.08	0.12	0.77	6.5
BENZO (A) PYRENE	UG/G DRY	<0.02	<0.02	<0.02	0.11	0.52
BENZO (B) FLUORANTHENE	UG/G DRY	<0.13	<0.12	<0.13	0.28	1.2
BENZO (GHI) PERYLENE	UG/G DRY	<0.07	<0.06	<0.07	0.13	0.69
BENZO (K) FLUORANTHENE	UG/G DRY	<0.07	<0.06	<0.07	0.12	0.77
CHRYSENE	UG/G DRY	<0.03	<0.03	<0.03	0.21	1.5
DIBENZO (A,H) ANTHRACENE	UG/G DRY	<0.01	<0.01	<0.01	<0.01	<0.01
INDENO (1,2,3-CD) PYRENE	UG/G DRY	<0.08	<0.07	<0.08	0.13	0.59
NON-CARCINOGENS						
ACENAPHTHENE	UG/G DRY	<0.02	<0.01	<0.02	<0.01	<0.04
ACENAPHTHYLENE	UG/G DRY	<0.23	<0.21	<0.23	0.29	7.3
ANTHRACENE	UG/G DRY	<0.05	<0.05	<0.06	0.13	1.5
FLUORANTHENE	UG/G DRY	<0.16	<0.15	0.51	1.5	18.
FLUORENE	UG/G DRY	<0.01	<0.01	0.01	0.01	0.15
NAPHTHALENE	UG/G DRY	<0.07	<0.64	<0.70	<0.67	<1.9
PHENANTHRENE	UG/G DRY	<0.01	<0.01	0.02	0.03	<0.03
PYRENE	UG/G DRY	<0.08	<0.07	0.08	0.15	2.2
TOTAL PAHS	UG/G DRY	ND	ND	0.74	3.86	40.92

ND = NOT DETECTED

TABLE D-3
DANSVILLE SUBSURFACE SOIL SAMPLES
RESULTS FOR NON-CHLORINATED PHENOLS

	SAMPLE ID	TP-1	TP-1	TP-3	TP-4	TP-5
	DATE	07/31/86	07/31/86	07/29/86	07/29/86	07/31/86
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
NON-CHLORINATED PHENOLS	UNITS					
2,4-DIMETHYPHENOL	UG/G DRY	<1.1	<1.2	<1.3	<0.50	<0.49
2,4-DINITROPHENOL	UG/G DRY	<1.7	<1.8	<2.0	<0.78	<0.76
2-METHYL-4,6-DINITROPHENOL	UG/G DRY	4.7	<2.1	3.7	<0.91	<0.88
2-NITROPHENOL	UG/G DRY	<1.8	<1.9	<2.1	<0.80	<0.78
4-NITROPHENOL	UG/G DRY	4.6	<0.71	<8.5	<0.30	<0.29
PHENOL	UG/G DRY	<0.67	1.4	<0.79	<0.31	<0.30
TOTAL PHENOLS	UG/G DRY	9.3	1.4	3.7	ND	ND

	SAMPLE ID	TP-6	TP-7	TP-9	TP-10A	TP-10B
	DATE	07/29/86	07/29/86	07/31/86	07/31/86	07/31/86
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	GRAB
NON-CHLORINATED PHENOLS	UNITS					
2,4-DIMETHYPHENOL	UG/G DRY	<1.4	<0.47	<1.1	<0.99	2.0
2,4-DINITROPHENOL	UG/G DRY	<2.2	<0.73	<1.8	<1.5	<1.1
2-METHYL-4,6-DINITROPHENOL	UG/G DRY	<2.6	<0.86	2.90	<1.8	<1.3
2-NITROPHENOL	UG/G DRY	<2.3	<0.75	<1.8	<1.6	<1.1
4-NITROPHENOL	UG/G DRY	<0.86	<0.29	5.04	2.6	<0.42
PHENOL	UG/G DRY	<0.87	<0.29	<0.69	<0.60	<0.43
TOTAL PHENOLS	UG/G DRY	ND	ND	7.94	2.6	2.0

ND = NOT DETECTED

TABLE D-3
DANSVILLE SUBSURFACE SOIL SAMPLES
RESULTS FOR NON-CHLORINATED PHENOLS
(CONTINUED)

	SAMPLE ID	TP-11	TP-12	TP-13	TP-14	TP-15
	DATE	07/30/86	07/30/86	07/30/86	07/30/86	07/30/86
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	GRAB
NON-CHLORINATED PHENOLS	UNITS					
2,4-DIMETHYPHENOL	UG/G DRY	<1.6	<0.60	<0.53	<0.89	<0.52
2,4-DINITROPHENOL	UG/G DRY	<2.5	<0.92	<0.82	<1.4	<0.81
2-METHYL-4,6-DINITROPHENOL	UG/G DRY	7.4	<1.1	<0.96	<1.6	<0.95
2-NITROPHENOL	UG/G DRY	<2.6	<0.94	<0.84	<1.4	18
4-NITROPHENOL	UG/G DRY	11.0	<0.36	<0.32	<0.54	<0.32
PHENOL	UG/G DRY	<1.0	<0.36	<0.32	<0.54	<0.32
TOTAL PHENOLS	UG/G DRY	18.4	ND	ND	ND	18

	SAMPLE ID	TP-16	TP-16	TP-17	TP-18	TP-20
	DATE	07/30/86	07/30/86	08/01/86	08/01/86	08/01/86
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
NON-CHLORINATED PHENOLS	UNITS					
2,4-DIMETHYPHENOL	UG/G DRY	<0.57	<0.58	<0.53	<0.57	<1.5
2,4-DINITROPHENOL	UG/G DRY	<0.88	<0.90	<0.81	<0.88	<2.3
2-METHYL-4,6-DINITROPHENOL	UG/G DRY	<1.0	<1.1	<0.95	<1.03	<2.7
2-NITROPHENOL	UG/G DRY	<0.91	<0.93	<0.83	<0.91	<2.3
4-NITROPHENOL	UG/G DRY	<0.34	<0.35	<0.32	<0.34	<0.89
PHENOL	UG/G DRY	<0.35	<0.35	<0.32	0.96	<0.90
TOTAL PHENOLS	UG/G DRY	ND	ND	ND	0.96	ND

ND = NOT DETECTED

TABLE D-4
DANSVILLE SUB-SURFACE SOIL SAMPLES
RESULTS FOR INORGANIC COMPOUNDS
AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	TP-1	TP-1	TP-3	TP-4	TP-5
	DATE	07/31/86	07/31/86	07/29/86	07/29/86	07/31/86
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
INORGANIC COMPOUNDS	UNITS					
CYANIDE-TOTAL	UG/G DRY	0.35	0.44	5.17	11.5	<0.20
CYANIDE-IRON	UG/G DRY	<0.20	0.32	3.40	3.28	<0.20
SULFATE	UG/G DRY	89.9	89.1	212.	69.2	72.0
IRON	UG/G DRY	14600	13600	32100.	15100.	23700.
ZINC	UG/G DRY	66.9	63.1	378.	85.4	54.6
GENERAL ORGANIC PARAMETERS						
ORGANIC NITROGEN	UG/G DRY	365.	677.	3150.	749.	334.

	SAMPLE ID	TP-6	TP-7	TP-9	TP-10A	TP-10B
	DATE	07/29/86	07/29/86	07/31/86	07/31/86	07/31/86
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	GRAB
INORGANIC COMPOUNDS	UNITS					
CYANIDE-TOTAL	UG/G DRY	0.43	<0.20	3.01	0.34	<0.20
CYANIDE-IRON	UG/G DRY	0.20	<0.20	2.31	<0.20	<0.20
SULFATE	MG/L	722.	128.	165.	267.	115.
IRON	UG/G DRY	27700.	17500.	39000.	17400.	14600.
ZINC	UG/G DRY	1540.	74.3	196.	79.9	71.6
GENERAL ORGANIC PARAMETERS						
ORGANIC NITROGEN	UG/G DRY	1580.	368.	619.	1290.	519.

TABLE D-4
DANSVILLE SUB-SURFACE SOIL SAMPLES
RESULTS FOR INORGANIC COMPOUNDS
AND GENERAL ORGANIC PARAMETERS
(CONTINUED)

	SAMPLE ID	TP-11	TP-12	TP-13	TP-14	TP-15
	DATE	07/30/86	07/30/86	07/30/86	07/30/86	07/30/86
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	GRAB
INORGANIC COMPOUNDS	UNITS					
CYANIDE-TOTAL	UG/G DRY	2.51	1.18	<0.20	<0.20	20.1
CYANIDE-IRON	UG/G DRY	2.01	<0.20	<0.20	<0.20	<0.20
SULFATE	MG/L	186.	95	110	154.	2020.
IRON	UG/G DRY	21300.	29400	21300	16000	69900.
ZINC	UG/G DRY	279.	80.3	131.	68.6	116
GENERAL ORGANIC PARAMETERS						
ORGANIC NITROGEN	UG/G DRY	1460	474.	456.	260.	1460

	SAMPLE ID	TP-16	TP-16	TP-17	TP-18	TP-20
	DATE	07/30/86	07/30/86	08/01/86	08/01/86	08/01/86
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
INORGANIC COMPOUNDS	UNITS					
CYANIDE-TOTAL	UG/G DRY	1.26	1.13	2.22	<0.20	<0.20
CYANIDE-IRON	UG/G DRY	<0.20	<0.20	2.22	<0.20	<0.20
SULFATE	MG/L	98.2	73.4	103.	90.0	204.
IRON	UG/G DRY	23500	23200.	15300.	14900.	14000.
ZINC	UG/G DRY	66.4	63.0	55.4	60.0	84.2
GENERAL ORGANIC PARAMETERS						
ORGANIC NITROGEN	UG/G DRY	486.	274.	665.	409.	255.

Table DCC - 1

COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: DNEITP8601
COMPUCHEM® SAMPLE NUMBER: 94848

		CONCENTRATION (UG/KG)	DETECTION LIMIT (UG/KG)
1V.	CHLOROMETHANE	BDL	1700
2V.	BROMOMETHANE	BDL	1700
3V.	VINYL CHLORIDE	BDL	1700
4V.	CHLOROETHANE	BDL	1700
5V.	METHYLENE CHLORIDE	NDB*	830
6V.	1,1-DICHLOROETHENE	BDL	830
7V.	1,1-DICHLOROETHANE	BDL	830
8V.	TRANS-1,2-DICHLOROETHYLENE	BDL	830
9V.	CHLOROFORM	BDL	830
10V.	1,2-DICHLOROETHANE	BDL	830
11V.	1,1,1-TRICHLOROETHANE	BDL	830
12V.	CARBON TETRACHLORIDE	BDL	830
13V.	BROMODICHLOROMETHANE	BDL	830
14V.	1,2-DICHLOROPROPANE	BDL	830
15V.	TRANS-1,3-DICHLOROPROPENE	BDL	830
16V.	TRICHLOROETHYLENE	BDL	830
17V.	CHLORODIBROMOMETHANE	BDL	830
18V.	1,1,2-TRICHLOROETHANE	BDL	830
19V.	BENZENE	27000	830
20V.	CIS-1,3-DICHLOROPROPENE	BDL	830
21V.	2-CHLOROETHYL VINYL ETHER	BDL	1700
22V.	BROMOFORM	BDL	830
23V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	830
24V.	TETRACHLOROETHANE	BDL	830
25V.	TOLUENE	57000BG*	830
26V.	CHLOROBENZENE	BDL	830
27V.	ETHYLBENZENE	81000	830
28V.	ACROLEIN	BDL	830
29V.	ACRYLONITRILE	BDL	830

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

	% Recovery	Control Range%
D_4-1,2-Dichloroethane	76	(77-120)
4-Bromofluorobenzene	77	(85-121)
D_8-Toluene	66	(86-119)

BDL= BELOW DETECTION LIMIT
*See Quality Assurance Notice

Table DCC - 1
(Continued)
COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: DNEITP8609
COMPUCHEM® SAMPLE NUMBER: 94853

		CONCENTRATION (UG/KG)	DETECTION† LIMIT (UG/KG)
1V.	CHLOROMETHANE	BDL	48
2V.	BROMOMETHANE	BDL	48
3V.	VINYL CHLORIDE	BDL	48
4V.	CHLOROETHANE	BDL	48
5V.	METHYLENE CHLORIDE	64 BG*	48
6V.	ACROLEIN	BDL	480
7V.	ACRYLONITRILE	BDL	480
8V.	1,1-DICHLOROETHYLENE	BDL	48
9V.	1,1-DICHLOROETHANE	BDL	48
10V.	TRANS-1,2-DICHLOROETHYLENE	BDL	48
11V.	CHLOROFORM	BDL	48
12V.	1,2-DICHLOROETHANE	BDL	48
13V.	1,1,1-TRICHLOROETHANE	BDL	48
14V.	CARBON TETRACHLORIDE	BDL	48
15V.	BROMODICHLOROMETHANE	BDL	48
16V.	1,2-DICHLOROPROPANE	BDL	48
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	48
18V.	TRICHLOROETHYLENE	5900	48
19V.	DIBROMOCHLOROMETHANE	BDL	48
20V.	1,1,2-TRICHLOROETHANE	BDL	48
21V.	BENZENE	BDL	48
22V.	CIS-1,3-DICHLOROPROPENE	BDL	48
23V.	2-CHLOROETHYL VINYL ETHER	BDL	48
24V.	BROMOFORM	BDL	48
25V.	1,1,2,2-TETRACHLOROETHYLENE	3000	48
26V.	1,1,2,2-TETRACHLOROETHANE	160	48
27V.	TOLUENE	53	48
28V.	CHLOROBENZENE	BDL	48
29V.	ETHYLBENZENE	1300	48

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

	% Recovery	Control Range%
D_4-1,2-Dichloroethane	92	(50-160)
4-Bromofluorobenzene	256**	(50-160)
D_8-Toluene	142	(50-160)

BDL= BELOW DETECTION LIMIT
†Sample analyzed using a 4.76:1 dilution, thus the higher than normal detection limits.
*See Quality Assurance Notice - #1
**See Quality Assurance Notice - #2

Table DCC - 2

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES

SAMPLE IDENTIFIER: DNEITP8601
COMPUCHEM® SAMPLE NUMBER: 94845

		CONCENTRATION (UG/KG)	DETECTION† LIMIT (UG/KG)
1B.	N-NITROSODIMETHYLAMINE	BDL	8100
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	8100
3B.	1,3-DICHLOROBENZENE	BDL	8100
4B.	1,4-DICHLOROBENZENE	BDL	8100
5B.	1,2-DICHLOROBENZENE	BDL	8100
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	8100
7B.	N-NITROSODI-N-PROPYLAMINE	BDL	8100
8B.	HEXACHLOROETHANE	BDL	8100
9B.	NITROBENZENE	BDL	8100
10B.	ISOPHORONE	BDL	8100
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	8100
12B.	1,2,4-TRICHLOROBENZENE	BDL	8100
13B.	NAPHTHALENE	18000	8100
14B.	HEXACHLOROBUTADIENE	BDL	8100
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	8100
16B.	2-CHLORONAPHTHALENE	BDL	8100
17B.	DIMETHYLPHTHALATE	BDL	8100
18B.	ACENAPHTHYLENE	8100	8100
19B.	2,6-DINITROTOLUENE	BDL	8100
20B.	ACENAPHTHENE	38000	8100
21B.	2,4-DINITROTOLUENE	BDL	8100
22B.	DIETHYLPHTHALATE	BDL	8100
23B.	4-CHLOROPHENYL PHENYL ETHER	BDL	8100
24B.	FLUORENE	24000	8100
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	8100
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	8100
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	8100
28B.	HEXACHLOROBENZENE	BDL	8100

(Continued)

BDL=BELOW DETECTION LIMIT
†See Quality Assurance Notice - #1

Table DCC - 2
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES (Page Two)

SAMPLE IDENTIFIER: DNEITP8601
COMPUCHEM® SAMPLE NUMBER: 94845

		CONCENTRATION (UG/KG)		DETECTION† LIMIT (UG/KG)
29B.	PHENANTHRENE	67000		8100
30B.	ANTHRACENE	20000		8100
31B.	DI-N-BUTYLPHTHALATE		BDL	8100
32B.	FLUORANTHENE	27000		8100
33B.	PYRENE	30000		8100
34B.	BENZIDINE		BDL	40000
35B.	BUTYLBENZYLPHTHALATE		BDL	8100
36B.	3,3'-DICHLOROBENZIDINE		BDL	16000
37B.	BENZO(A)ANTHRACENE	9400		8100
38B.	BIS(2-ETHYLHEXYL)PHTHALATE		BDL	8100
39B.	CHRYSENE	12000		8100
40B.	DI-N-OCTYLPHTHALATE		BDL	8100
41B.	BENZO(B)FLUORANTHENE	10000(1)		8100
42B.	BENZO(K)FLUORANTHENE	10000(1)		8100
43B.	BENZO(A)PYRENE	8900		8100
44B.	INDENO(1,2,3-C,D)PYRENE		BDL	8100
45B.	DIBENZO(A,H)ANTHRACENE		BDL	8100
46B.	BENZO(G,H,I)PERYLENE	4300	J	8100

Surrogates Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
D_5-Nitrobenzene	BDL†	(20-140)
2-Fluorobiphenyl	BDL†	(20-140)
D_{14}-Terphenyl	BDL†	(20-150)
D10-Pyrene*	BDL†	*

BDL=BELOW DETECTION LIMIT
*Advisory Surrogate; therefore no control range.
†See Quality Assurance Notice - #1
J=Estimated concentration; values are between the detection limit and one-half of that limit.
(1)Indistinguishable Isomers

Table DCC - 2
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES

SAMPLE IDENTIFIER: DNEITP8609
COMPUCHEM® SAMPLE NUMBER: 94849

		CONCENTRATION (UG/KG)	DETECTION† LIMIT (UG/KG)
1B.	N-NITROSODIMETHYLAMINE	BDL	66000
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	66000
3B.	1,3-DICHLOROBENZENE	BDL	66000
4B.	1,4-DICHLOROBENZENE	BDL	66000
5B.	1,2-DICHLOROBENZENE	BDL	66000
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	66000
7B.	N-NITROSODI-N-PROPYLAMINE	BDL	66000
8B.	HEXACHLOROETHANE	BDL	66000
9B.	NITROBENZENE	BDL	66000
10B.	ISOPHORONE	BDL	66000
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	66000
12B.	1,2,4-TRICHLOROBENZENE	BDL	66000
13B.	NAPHTHALENE	1500000	66000
14B.	HEXACHLOROBUTADIENE	BDL	66000
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	66000
16B.	2-CHLORONAPHTHALENE	BDL	66000
17B.	DIMETHYLPHTHALATE	BDL	66000
18B.	ACENAPHTHYLENE	200000	66000
19B.	2,6-DINITROTOLUENE	BDL	66000
20B.	ACENAPHTHENE	89000	66000
21B.	2,4-DINITROTOLUENE	BDL	66000
22B.	DIETHYLPHTHALATE	BDL	66000
23B.	4-CHLOROPHENYL PHENYL ETHER	BDL	66000
24B.	FLUORENE	170000	66000
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	66000
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	66000
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	66000
28B.	HEXACHLOROBENZENE	BDL	66000

(Continued)

BDL=BELOW DETECTION LIMIT
†See Quality Assurance Notice - #1

Table DCC - 2
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES (Page Two)

SAMPLE IDENTIFIER: DNEITP8609
COMPUCHEM® SAMPLE NUMBER: 94849

		CONCENTRATION (UG/KG)		DETECTION† LIMIT (UG/KG)
29B.	PHENANTHRENE	510000		66000
30B.	ANTHRACENE	140000		66000
31B.	DI-N-BUTYLPHTHALATE		BDL	66000
32B.	FLUORANTHENE	190000		66000
33B.	PYRENE	290000		66000
34B.	BENZIDINE		BDL	330000
35B.	BUTYLBENZYLPHTHALATE		BDL	66000
36B.	3,3'-DICHLOROBENZIDINE		BDL	130000
37B.	BENZO(A)ANTHRACENE	89000		66000
38B.	BIS(2-ETHYLHEXYL)PHTHALATE		BDL	66000
39B.	CHRYSENE	79000		66000
40B.	DI-N-OCTYLPHTHALATE		BDL	66000
41B.	BENZO(B)FLUORANTHENE	84000(1)		66000
42B.	BENZO(K)FLUORANTHENE	84000(1)		66000
43B.	BENZO(A)PYRENE	78000		66000
44B.	INDENO(1,2,3-C,D)PYRENE		BDL	66000
45B.	DIBENZO(A,H)ANTHRACENE		BDL	66000
46B.	BENZO(G,H,I)PERYLENE	34000	J	66000

Surrogates Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
D_5-Nitrobenzene	BDL†	(20-140)
2-Fluorobiphenyl	BDL†	(20-140)
D_{14}-Terphenyl	BDL†	(20-150)
D10-Pyrene*	BDL†	*

BDL=BELOW DETECTION LIMIT
*Advisory Surrogate; therefore no control range.
†See Quality Assurance Notice - #1
J=Estimated concentration; values are between the detection limit and one-half of that limit.
(1)Indistinguishable Isomers

Table DCC - 3

COMPOUND LIST -- ACID EXTRACTABLES

SAMPLE IDENTIFIER: DNEITP8601
COMPUCHEM® SAMPLE NUMBER: 94845

		CONCENTRATION (UG/KG)	DETECTION LIMIT (UG/KG)
1A.	PHENOL	BDL	330
2A.	2-CHLOROPHENOL	BDL	330
3A.	2-NITROPHENOL	BDL	330
4A.	2,4-DIMETHYLPHENOL	BDL	330
5A.	2,4-DICHLOROPHENOL	BDL	330
6A.	P-CHLORO-M-CRESOL	BDL	330
7A.	2,4,6-TRICHLOROPHENOL	BDL	330
8A.	2,4-DINITROPHENOL	BDL	1600
9A.	4-NITROPHENOL	BDL	1600
10A.	4,6-DINITRO-O-CRESOL	BDL	1600
11A.	PENTACHLOROPHENOL	BDL	1600

Surrogate Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
2-Fluorophenol	71	(20-140)
D_5-Phenol	63	(20-140)
2,4,6-Tribromophenol	137	(10-140)

BDL= BELOW DETECTION LIMIT

Table DCC - 3
(Continued)

COMPOUND LIST -- ACID EXTRACTABLES

SAMPLE IDENTIFIER: DNEITP8609
COMPUCHEM® SAMPLE NUMBER: 94849

		CONCENTRATION (UG/KG)	DETECTION LIMIT (UG/KG)
1A.	PHENOL	BDL	330
2A.	2-CHLOROPHENOL	BDL	330
3A.	2-NITROPHENOL	BDL	330
4A.	2,4-DIMETHYLPHENOL	BDL	330
5A.	2,4-DICHLOROPHENOL	BDL	330
6A.	P-CHLORO-M-CRESOL	BDL	330
7A.	2,4,6-TRICHLOROPHENOL	BDL	330
8A.	2,4-DINITROPHENOL	BDL	1600
9A.	4-NITROPHENOL	BDL	1600
10A.	4,6-DINITRO-O-CRESOL	BDL	1600
11A.	PENTACHLOROPHENOL	BDL	1600

Surrogate Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
2-Fluorophenol	87	(20-140)
D_5-Phenol	71	(20-140)
2,4,6-Tribromophenol	85	(10-140)

BDL= BELOW DETECTION LIMIT

Table DCC - 4

COMPOUND LIST -- INORGANICS PRIORITY POLLUTANTS

SAMPLE IDENTIFIER: DNEITP8601
COMPUCHEM SAMPLE NUMBER: 94847

	CONCENTRATION (UG/G)	DETECTION LIMIT (UG/G)
1. ANTIMONY, TOTAL	BDL	0.50
2. ARSENIC, TOTAL	4.8	0.50
3. BERYLLIUM, TOTAL	BDL	0.20
4. CADMIUM, TOTAL	1.4	0.10
5. CHROMIUM, TOTAL	6.4	0.50
6. COPPER, TOTAL	11	1.0
7. LEAD, TOTAL	5.7	0.50
8. MERCURY, TOTAL	BDL	0.0020
9. NICKEL, TOTAL	18	1.0
10. SELENIUM, TOTAL	BDL	0.10
11. SILVER, TOTAL	BDL	0.50
12. THALLIUM, TOTAL	BDL	0.50
13. ZINC, TOTAL	47	0.20

BDL=BELOW DETECTION LIMIT

Table DCC - 4
(Continued)

COMPOUND LIST -- INORGANICS PRIORITY POLLUTANTS

SAMPLE IDENTIFIER: DNEITP8609
COMPUCHEM SAMPLE NUMBER: 94852

	CONCENTRATION (UG/G)	DETECTION LIMIT (UG/G)
1. ANTIMONY, TOTAL	BDL	0.50
2. ARSENIC, TOTAL	35	0.50
3. BERYLLIUM, TOTAL	0.94	0.20
4. CADMIUM, TOTAL	1.6	0.10
5. CHROMIUM, TOTAL	7.7	0.50
6. COPPER, TOTAL	37	1.0
7. LEAD, TOTAL	86	0.50
8. MERCURY, TOTAL	BDL	0.0020
9. NICKEL, TOTAL	16	1.0
10. SELENIUM, TOTAL	0.43	0.10
11. SILVER, TOTAL	BDL	0.50
12. THALLIUM, TOTAL	1.4	0.50
13. ZINC, TOTAL	180	0.20

BDL=BELOW DETECTION LIMIT

Table DCC - 5

COMPOUND LIST - CLASSICAL PARAMETERS

SAMPLE IDENTIFIER: DNEITP8601
COMPUCHEM SAMPLE NUMBER: 94854

	CONCENTRATION (UG/G)	DETECTION LIMIT (UG/G)
1. CYANIDE, TOTAL	BDL	0.10

BDL = BELOW DETECTION LIMITS

Table DCC - 5
(Continued)

COMPOUND LIST - CLASSICAL PARAMETERS

SAMPLE IDENTIFIER: DNEIT08609
COMPUCHEM SAMPLE NUMBER: 94850

	CONCENTRATION (UG/G)	DETECTION LIMIT (UG/G)
1. CYANIDE, TOTAL	BDL	0.10

BDL = BELOW DETECTION LIMITS

Table DCC - 6

COMPOUND LIST - CLASSICAL PARAMETERS

SAMPLE IDENTIFIER: DNEITP8609
COMPUCHEM SAMPLE NUMBER: 94851

	CONCENTRATION (UG/G)	DETECTION LIMIT (UG/G)
1. PHENOL, TOTAL	3.0	0.10

Table DCC - 6
(Continued)

COMPOUND LIST - CLASSICAL PARAMETERS

SAMPLE IDENTIFIER: DNEITP8601
COMPUCHEM SAMPLE NUMBER: 94846

	CONCENTRATION (UG/G)	DETECTION LIMIT (UG/G)
1. PHENOL, TOTAL	BDL	0.10

BDL = BELOW DETECTION LIMITS

APPENDIX E

ANALYTICAL RESULTS - GROUND WATER

TABLE E-1
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	MW-1S	MW-1S	MW-1S	MW-1S
	DATE	9/26/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
PURGEABLE AROMATICS					
BENZENE	MG/L	0.003	<0.050	<0.005	<0.005
CHLOROBENZENE	MG/L	<0.001	<0.050	<0.005	<0.005
1,2-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010
ETHYLBENZENE	MG/L	<0.001	<0.050	<0.005	<0.005
STYRENE	MG/L	NA	<0.050	<0.005	<0.005
TOLUENE	MG/L	<0.001	<0.050	<0.005	<0.005
TOTAL XYLENES	MG/L	NA	<0.050	<0.005	<0.005
OTHER VOLATILE ORGANICS					
CHLOROMETHANE	MG/L	NA	<0.100	<0.010	<0.010
BROMOMETHANE	MG/L	NA	<0.100	<0.010	<0.010
VINYL CHLORIDE	MG/L	NA	<0.100	<0.010	<0.010
CHLOROETHANE	MG/L	NA	<0.100	<0.010	<0.010
METHYLENE CHLORIDE	MG/L	NA	<0.050	<0.005	0.007
ACETONE	MG/L	NA	197	<0.010	0.027
CARBON DISULFIDE	MG/L	NA	<0.050	<0.005	<0.005
1,1-DICHLOROETHENE	MG/L	NA	<0.050	<0.005	<0.005
1,1-DICHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.005
TRANS-1,2-DICHLOROETHENE	MG/L	NA	<0.050	<0.005	<0.005
CHLOROFORM	MG/L	NA	<0.050	<0.005	<0.005
1,2-DICHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.005
2-BUTANONE	MG/L	NA	<0.100	<0.010	<0.010
1,1,1-TRICHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.005
CARBON TETRACHLORIDE	MG/L	NA	<0.050	<0.005	<0.005
VINYL ACETATE	MG/L	NA	<0.100	<0.010	<0.010
BROMODICHLOROMETHANE	MG/L	NA	<0.050	<0.005	<0.005
1,2-DICHLOROPROPANE	MG/L	NA	<0.050	<0.005	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	NA	<0.050	<0.005	<0.005
TRICHLOROETHENE	MG/L	NA	<0.050	<0.005	<0.005
DIBROMOCHLOROMETHANE	MG/L	NA	<0.050	<0.005	<0.005
1,1,2-TRICHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	NA	<0.050	<0.005	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	NA	<0.100	<0.010	<0.010
BROMOFORM	MG/L	NA	<0.050	<0.005	<0.005
2-HEXANONE	MG/L	NA	<0.100	<0.010	<0.010
4-METHYL-2-PENTANONE	MG/L	NA	<0.100	<0.010	<0.010
TETRACHLOROETHENE	MG/L	NA	<0.050	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.005

NA = NOT ANALYZED

TABLE E-2
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S
	DATE	9/25/86	12/9/86	3/17/87	6/10/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	DUPLICATE
	UNITS					
PURGEABLE AROMATICS						
BENZENE	MG/L	0.040	0.069	0.034	0.016	<0.050
CHLOROBENZENE	MG/L	<0.001	<0 005	<0.005	<0.005	<0.050
1,2-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	0.049	<0.010	<0.010	<0.010	<0.010
ETHYLBENZENE	MG/L	0.006	.002	<0.005	<0.005	<0.050
STYRENE	MG/L	NA	<0.005	<0 005	<0.005	<0.050
TOLUENE	MG/L	0.011	0.009	5.1	<0.005	<0.050
TOTAL XYLENES	MG/L	NA	15	0.015	<0.005	<0.050
OTHER VOLATILE ORGANICS						
CHLOROMETHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.100
BROMOMETHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.100
VINYL CHLORIDE	MG/L	NA	<0.010	<0.010	<0.010	<0.100
CHLOROETHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.100
METHYLENE CHLORIDE	MG/L	NA	<0.005	<0.005	0.009	0.100
ACETONE	MG/L	NA	14	0.018	<0 010	0.276
CARBON DISULFIDE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
1,1-DICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
1,1-DICHLOROETHANE	MG/L	NA	<0.005	<0 005	<0.005	<0.050
TRANS-1,2-DICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0 005	<0.050
CHLOROFORM	MG/L	NA	<0.005	<0.005	<0 005	<0.050
1,2-DICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0 050
2-BUTANONE	MG/L	NA	<0.010	<0.010	<0.010	<0.100
1,1,1-TRICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
CARBON TETRACHLORIDE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
VINYL ACETATE	MG/L	NA	<0.010	<0.010	<0.010	<0.100
BROMODICHLOROMETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
1,2-DICHLOROPROPANE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
TRANS-1,3-DICHLOROPROPENE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
TRICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
DIBROMOCHLOROMETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
1,1,2-TRICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
CIS-1,3-DICHLOROPROPENE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
2-CHLOROETHYL VINYL ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.100
BROMOFORM	MG/L	NA	<0.005	<0.005	<0.005	<0.050
2-HEXANONE	MG/L	NA	<0.010	<0.010	<0.010	<0.100
4-METHYL-2-PENTANONE	MG/L	NA	<0.010	<0.010	<0.010	<0.100
TETRACHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005	<0.050
1,1,2,2-TETRACHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.050

NA = NOT ANALYZED

TABLE E-3
DALSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S
	DATE	9/25/86	12/9/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB	GRAB
	UNITS					
PURGEABLE AROMATICS						
BENZENE	MG/L	0.060	0.064	0.044	.061	0.052
CHLOROBENZENE	MG/L	0.060	<0.050	0.006	<0.050	<0.050
1,2-DICHLOROBENZENE	MG/L	<0.020	<0.100	<0.100	<0.100	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.020	<0.100	<0.100	<0.100	<0.010
1,4-DICHLOROBENZENE	MG/L	1.4	<0.100	<0.100	<0.100	<0.010
ETHYLBENZENE	MG/L	1.5	0.081	0.053	.084	<0.050
STYRENE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
TOLUENE	MG/L	0.88	0.067	0.030	.069	<0.050
TOTAL XYLENES	MG/L	NA	0.205	0.154	0.165	0.230
OTHER VOLATILE ORGANICS						
CHLOROMETHANE	MG/L	NA	<0.100	<0.010	<0.100	<0.100
BROMOMETHANE	MG/L	NA	<0.100	<0.010	<0.100	<0.100
VINYL CHLORIDE	MG/L	NA	<0.100	0.029	<0.100	0.360
CHLOROETHANE	MG/L	NA	<0.100	<0.010	<0.100	<0.100
METHYLENE CHLORIDE	MG/L	NA	0.060	0.006	<0.100	0.095
ACETONE	MG/L	NA	1.810	0.033	0.230	0.275
CARBON DISULFIDE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
1,1-DICHLOROETHENE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
1,1-DICHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
TRANS-1,2-DICHLOROETHENE	MG/L	NA	<0.050	0.036	<0.050	0.197
CHLOROFORM	MG/L	NA	<0.050	<0.005	<0.050	<0.050
1,2-DICHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
2-BUTANONE	MG/L	NA	<0.100	<0.010	<0.100	<0.100
1,1,1-TRICHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
CARBON TETRACHLORIDE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
VINYL ACETATE	MG/L	NA	<0.100	<0.010	<0.100	<0.100
BROMODICHLOROMETHANE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
1,2-DICHLOROPROPANE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
TRANS-1,3-DICHLOROPROPENE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
TRICHLOROETHENE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
DIBROMOCHLOROMETHANE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
1,1,2-TRICHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
CIS-1,3-DICHLOROPROPENE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
2-CHLOROETHYL VINYL ETHER	MG/L	NA	<0.100	<0.010	<0.100	<0.100
BROMOFORM	MG/L	NA	<0.050	<0.005	<0.050	<0.050
2-HEXANONE	MG/L	NA	<0.100	<0.010	<0.100	<0.100
4-METHYL-2-PENTANONE	MG/L	NA	<0.100	<0.010	<0.100	<0.100
TETRACHLOROETHENE	MG/L	NA	<0.050	<0.005	<0.050	<0.050
1,1,2,2-TETRACHLOROETHANE	MG/L	NA	<0.050	<0.005	<0.050	<0.050

NA = NOT ANALYZED

TABLE E-4
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	MW-1D	MW-1D	MW-1D	MW-1D
	TYPE	9/25/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
PURGEABLE AROMATICS					
BENZENE	MG/L	0.003	<0.005	<0.005	<0.005
CHLOROBENZENE	MG/L	<0.001	<0.005	<0.005	<0.005
1,2-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010
ETHYLBENZENE	MG/L	<0.001	<0.005	<0.005	<0.005
STYRENE	MG/L	NA	<0.005	<0.005	<0.005
TOLUENE	MG/L	0.002	<0.005	<0.005	<0.005
TOTAL XYLENES	MG/L	NA	<0.005	<0.005	<0.005
OTHER VOLATILE ORGANICS					
CHLOROMETHANE	MG/L	NA	<0.010	<0.010	<0.010
BROMOMETHANE	MG/L	NA	<0.010	<0.010	<0.010
VINYL CHLORIDE	MG/L	NA	<0.010	<0.010	<0.010
CHLOROETHANE	MG/L	NA	<0.010	<0.010	<0.010
METHYLENE CHLORIDE	MG/L	NA	0.006	0.015	0.007
ACETONE	MG/L	NA	0.628	0.031	0.011
CARBON DISULFIDE	MG/L	NA	<0.005	<0.005	<0.005
1,1-DICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005
1,1-DICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005
TRANS-1,2-DICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005
CHLOROFORM	MG/L	NA	<0.005	<0.005	<0.005
1,2-DICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005
2-BUTANONE	MG/L	NA	<0.010	<0.010	<0.010
1,1,1-TRICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005
CARBON TETRACHLORIDE	MG/L	NA	<0.005	<0.005	<0.005
VINYL ACETATE	MG/L	NA	<0.010	<0.010	<0.010
BROMODICHLOROMETHANE	MG/L	NA	<0.005	<0.005	<0.005
1,2-DICHLOROPROPANE	MG/L	NA	<0.005	<0.005	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	NA	<0.005	<0.005	<0.005
TRICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005
DIBROMOCHLOROMETHANE	MG/L	NA	<0.005	<0.005	<0.005
1,1,2-TRICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	NA	<0.005	<0.005	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	NA	<0.010	<0.010	<0.010
BROMOFORM	MG/L	NA	<0.005	<0.005	<0.005
2-HEXANONE	MG/L	NA	<0.010	<0.010	<0.010
4-METHYL-2-PENTANONE	MG/L	NA	<0.010	<0.010	<0.010
TETRACHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005

NA = NOT ANALYZED

TABLE E-5
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
	TYPE	9/25/86	9/25/86	12/9/86	3/17/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	DUPLICATE	GRAB
	UNITS						
PURGEABLE AROMATICS							
BENZENE	MG/L	0.004	0.003	<0.005	<0.005	<0.005	NA
CHLOROBENZENE	MG/L	<0.001	<0.001	<0.005	<0.005	<0.005	NA
1,2-DICHLOROBENZENE	MG/L	<0.002	<0.002	<0.010	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.002	<0.002	<0.010	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	<0.002	<0.002	<0.010	<0.010	<0.010	<0.010
ETHYLBENZENE	MG/L	<0.001	<0.001	<0.005	<0.005	<0.005	NA
STYRENE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
TOLUENE	MG/L	<0.001	<0.001	<0.005	<0.005	<0.005	NA
TOTAL XYLENES	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
OTHER VOLATILE ORGANICS							
CHLOROMETHANE	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
BROMOMETHANE	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
VINYL CHLORIDE	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
CHLOROETHANE	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
METHYLENE CHLORIDE	MG/L	NA	NA	<0.005	0.015	0.019	NA
ACETONE	MG/L	NA	NA	<0.010	0.027	0.037	NA
CARBON DISULFIDE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
1,1-DICHLOROETHENE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
1,1-DICHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
TRANS-1,2-DICHLOROETHENE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
CHLOROFORM	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
1,2-DICHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
2-BUTANONE	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
1,1,1-TRICHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
CARBON TETRACHLORIDE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
VINYL ACETATE	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
BROMODICHLOROMETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
1,2-DICHLOROPROPANE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
TRANS-1,3-DICHLOROPROPENE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
TRICHLOROETHENE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
DIBROMOCHLOROMETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
1,1,2-TRICHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
CIS-1,3-DICHLOROPROPENE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
2-CHLOROETHYL VINYL ETHER	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
BROMOFORM	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
2-HEXANONE	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
4-METHYL-2-PENTANONE	MG/L	NA	NA	<0.010	<0.010	<0.100	NA
TETRACHLOROETHENE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA
1,1,2,2-TETRACHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050	NA

NA = NOT ANALYZED

TABLE E-6
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	MW-3D	MW-3D	MW-3D	MW-3D
	TYPE	9/25/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
PURGEABLE AROMATICS					
BENZENE	MG/L	<0.001	<0.005	<0.005	<0.005
CHLOROBENZENE	MG/L	<0.001	<0.005	<0.050	<0.050
1,2-DICHLOROBENZENE	MG/L	<0.002	<0.100	<0.100	<0.010
1,3-DICHLOROBENZENE	MG/L	<0 002	<0 100	<0.100	<0.010
1,4-DICHLOROBENZENE	MG/L	0.026	<0.100	<0.100	<0.010
ETHYLBENZENE	MG/L	<0.001	<0.005	<0.005	<0.005
STYRENE	MG/L	NA	<0.005	<0.050	<0.050
TOLUENE	MG/L	<0 001	<0.005	<0.005	<0.005
TOTAL XYLENES	MG/L	NA	<0.005	<0.005	<0 005
OTHER VOLATILE ORGANICS					
CHLOROMETHANE	MG/L	NA	<0.010	<0 010	<0.100
BROMOMETHANE	MG/L	NA	<0.010	<0.010	<0.100
VINYL CHLORIDE	MG/L	NA	<0 010	<0.010	<0.010
CHLOROETHANE	MG/L	NA	<0.010	<0.010	<0.100
METHYLENE CHLORIDE	MG/L	NA	0.008	0 010	0.010
ACETONE	MG/L	NA	0.106	0.043	<0.100
CARBON DISULFIDE	MG/L	NA	<0.005	<0.005	<0 050
1,1-DICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.050
1,1-DICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.050
TRANS-1,2-DICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005
CHLOROFORM	MG/L	NA	<0.005	<0.005	<0.050
1,2-DICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.050
2-BUTANONE	MG/L	NA	<0.010	<0.010	<0.100
1,1,1-TRICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.050
CARBON TETRACHLORIDE	MG/L	NA	<0.005	<0.005	<0.050
VINYL ACETATE	MG/L	NA	<0.010	<0.010	<0.100
BROMODICHLOROMETHANE	MG/L	NA	<0.005	<0.005	<0.050
1,2-DICHLOROPROPANE	MG/L	NA	<0.005	<0.005	<0.050
TRANS-1,3-DICHLOROPROPENE	MG/L	NA	<0.005	<0.005	<0.050
TRICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.050
DIBROMOCHLOROMETHANE	MG/L	NA	<0.005	<0.005	<0.050
1,1,2-TRICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.050
CIS-1.3-DICHLOROPROPENE	MG/L	NA	<0.005	<0.005	<0.050
2-CHLOROETHYL VINYL ETHER	MG/L	NA	<0.010	<0.010	<0.100
BROMOFORM	MG/L	NA	<0.005	<0.005	<0.050
2-HEXANONE	MG/L	NA	<0.010	<0.010	<0.100
4-METHYL-2-PENTANONE	MG/L	NA	<0.010	<0.010	<0.100
TETRACHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.050
1,1,2,2-TETRACHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.050

NA =NOT ANALYZED

TABLE E-7
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-1S	MW-1S	MW-1S	MW-1S
	DATE	9/26/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
POLYNUCLEAR AROMATIC HYDROCARBONS					
ACENAPHTHENE	MG/L	0.0011	<.100	<0.010	<0.010
ACENAPHTHYLENE	MG/L	<0.0003	<.100	<0.010	<0.010
ANTHRACENE	MG/L	<0.0003	<.100	<0.010	<0.010
BENZO (A) ANTHRACENE	MG/L	<0.0004	<.100	<0.010	<0.010
BENZO (A) PYRENE	MG/L	<0.0003	<.100	<0.010	<0.010
BENZO (B) FLUORANTHENE	MG/L	<0.002	<.100	<0.010	<0.010
BENZO (K) FLUORANTHENE	MG/L	<0.0003	<.100	<0.010	<0.010
BENZO (GHI) PERYLENE	MG/L	<0.0003	<.100	<0.010	<0.010
CHRYSENE	MG/L	<0.0004	<.100	<0.010	<0.010
DIBENZO (A,H) ANTHRACENE	MG/L	<0.0003	<.100	<0.010	<0.010
FLUORANTHENE	MG/L	<0.0003	<.100	<0.010	<0.010
FLUORENE	MG/L	<0.0003	<.100	<0.010	<0.010
INDENO (1,2,3-CD) PYRENE	MG/L	<0.0003	<.100	<0.010	<0.010
NAPHTHALENE	MG/L	0.0010	<.100	<0.010	<0.010
PHENANTHRENE	MG/L	<0.0003	<.100	<0.010	<0.010
PYRENE	MG/L	0.0001	<.100	<0.010	<0.010
OTHER BASE/NEUTRAL EXTRACTABLES					
BENZIDINE	MG/L	NA	<0.080	<0.080	<0.080
1,2,4-TRICHLOROBENZENE	MG/L	NA	<0.010	<0.010	<0.010
HEXACHLOROBENZENE	MG/L	NA	<0.010	<0.010	<0.010
HEXACHLOROETHANE	MG/L	NA	<0.010	<0.010	<0.010
BIS (2-CHLOROETHYL) ETHER	MG/L	NA	<0.010	<0.010	<0.010
2-CHLORONAPHTHALENE	MG/L	NA	<0.010	<0.010	<0.010
3,3-DICHLOROBENZIDINE	MG/L	NA	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE E-7
(CONTINUED)
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-1S	MW-1S	MW-1S	MW-1S
	DATE	9/26/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
BASE/NEUTRAL EXTRACTABLES (CONTINUED)					
2,4-DINITROTOLUENE	MG/L	NA	<0.010	<0.010	<0.010
2,6-DINITROTOLUENE	MG/L	NA	<0.010	<0.010	<0.010
1,2-DIPHENYLHYDRAZINE	MG/L	NA	<0.010	<0.010	<0.010
4-CHLOROPHENYL PHENYL ETHER	MG/L	NA	<0.010	<0.010	<0.010
4-BROMOPHENYL PHENYL ETHER	MG/L	NA	<0.010	<0.010	<0.010
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	NA	<0.010	<0.010	<0.010
BIS (2-CHLOROETHOXY) METHANE	MG/L	NA	<0.010	<0.010	<0.010
HEXACHLOROBUTADIENE	MG/L	NA	<0.010	<0.010	<0.010
HEXACHLOROCYCLOPENTADIENE	MG/L	NA	<0.010	<0.010	<0.010
ISOPHORONE	MG/L	NA	<0.010	<0.010	<0.010
NITROBENZENE	MG/L	NA	<0.010	<0.010	<0.010
n-NITROSODIMETHYLAMINE	MG/L	NA	<0.010	<0.010	0.030
n-NITROSODIPHENYLAMINE a	MG/L	NA	<0.010	<0.010	<0.010
n-NITROSODI-n-PROPYLAMINE	MG/L	NA	<0.010	<0.010	<0.010
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	NA	<0.010	0.016	0.016
BUTYL BENZYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010
DI-n-BUTYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010
DI-n-OCTYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010
DIETHYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010
DIMETHYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE E-8
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S
	DATE	9/25/86	12/9/86	3/17/87	6/10/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	DUPLICATE
	UNITS					
POLYNUCLEAR AROMATIC HYDROCARBONS						
ACENAPHTHENE	MG/L	0.0031	<0.010	<0.010	<0.010	<0.010
ACENAPHTHYLENE	MG/L	0.0053	<0.010	0.010	<0.010	<0.010
ANTHRACENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
BENZO (A) ANTHRACENE	MG/L	<0.0004	<0.010	<0.010	<0.010	<0.010
BENZO (A) PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
BENZO (B) FLUORANTHENE	MG/L	<0.002	<0.010	<0.010	<0.010	<0.010
BENZO (K) FLUORANTHENE	MG/L	<0.003	<0.010	<0.010	<0.010	<0.010
BENZO (GHI) PERYLENE	MG/L	<0.003	<0.010	<0.010	<0.010	<0.010
CHRYSENE	MG/L	<0.004	<0.010	<0.010	<0.010	<0.010
DIBENZO (A,H) ANTHRACENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
FLUORANTHENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
FLUORENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
INDENO (1,2,3-CD) PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
NAPHTHALENE	MG/L	0.0039	<0.010	<0.010	<0.010	<0.010
PHENANTHRENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
OTHER BASE/NEUTRAL EXTRACTABLES						
BENZIDINE	MG/L	NA	<0.080	<0.080	<0.080	<0.080
1,2,4-TRICHLOROBENZENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
HEXACHLOROBENZENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
HEXACHLOROETHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROETHYL) ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
2-CHLORONAPHTHALENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
3,3-DICHLOROBENZIDINE	MG/L	NA	<0.010	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE E-8
(CONTINUED)
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S
	DATE	9/25/86	12/9/86	3/17/87	6/10/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	DUPLICATE
	UNITS					
BASE/NEUTRAL EXTRACTABLES (CONTINUED)						
2,4-DINITROTOLUENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
2,6-DINITROTOLUENE	MG/L	NA	<0.010	<0.010	<0.010	0.043
1,2-DIPHENYLHYDRAZINE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
4-CHLOROPHENYL PHENYL ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
4-BROMOPHENYL PHENYL ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROETHOXY) METHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
HEXACHLOROBUTADIENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
HEXACHLOROCYCLOPENTADIENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
ISOPHORONE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
NITROBENZENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
n-NITROSODIMETHYLAMINE	MG/L	NA	<0.010	<0.010	0.010	0.010
n-NITROSODIPHENYLAMINE a	MG/L	NA	<0.010	<0.010	<0.010	<0.010
n-NITROSODI-n-PROPYLAMINE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	NA	<0.010	0.017	<0.010	0.130
BUTYL BENZYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
DI-n-BUTYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
DI-n-OCTYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
DIETHYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
DIMETHYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE E-9
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S
	DATE	9/25/86	12/9/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB	GRAB
	UNITS					
POLYNUCLEAR AROMATIC HYDROCARBONS						
ACENAPHTHENE	MG/L	0.170	0.256	0.329	0.217	0.119
ACENAPHTHYLENE	MG/L	<0.003	<0.100	<0.100	<0.100	0.122
ANTHRACENE	MG/L	0.0372	0.180	0.220	0.256	0.049
BENZO (A) ANTHRACENE	MG/L	<0.0004	<0.100	0.130	0.111	0.032
BENZO (A) PYRENE	MG/L	0.0034	<0.100	<0.100	<0.100	<0.010
BENZO (B) FLUORANTHENE	MG/L	<0.002	<0.100	<0.100	<0.100	<0.010
BENZO (K) FLUORANTHENE	MG/L	0.0016	<0.100	<0.100	<0.100	<0.010
BENZO (GHI) PERYLENE	MG/L	0.0011	<0.100	<0.100	<0.100	0.018
CHRYSENE	MG/L	0.0041	<0.100	0.130	0.118	0.037
DIBENZO (A,H) ANTHRACENE	MG/L	<0.0003	<0.100	<0.100	<0.100	<0.010
FLUORANTHENE	MG/L	0.0161	0.194	0.271	0.232	0.063
FLUORENE	MG/L	0.0611	0.166	0.224	0.183	0.058
INDENO (1,2,3-CD) PYRENE	MG/L	<0.0003	<0.100	<0.100	<0.100	0.012
NAPHTHALENE	MG/L	1.06	0.738	0.629	0.587	0.335
PHENANTHRENE	MG/L	0.0706	0.160	0.200	0.610	0.049
PYRENE	MG/L	0.0234	0.326	<0.100	0.521	0.085
OTHER BASE/NEUTRAL EXTRACTABLES						
BENZIDINE	MG/L	NA	<0.800	<0.800	<0.800	<0.080
1,2,4-TRICHLOROBENZENE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
HEXACHLOROBENZENE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
HEXACHLOROETHANE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
BIS (2-CHLOROETHYL) ETHER	MG/L	NA	<0.100	<0.100	<0.100	<0.010
2-CHLORONAPHTHALENE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
3,3-DICHLOROBENZIDINE	MG/L	NA	<0.100	<0.100	<0.100	<0.010

NA = NOT ANALYZED

TABLE E-9
(CONTINUED)
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S
	DATE	9/25/86	12/9/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB	GRAB
	UNITS					
BASE/NEUTRAL EXTRACTABLES (CONTINUED)						
2,4-DINITROTOLUENE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
2,6-DINITROTOLUENE	MG/L	NA	<0.100	<0.100	<0.100	0.014
1,2-DIPHENYLHYDRAZINE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
4-CHLOROPHENYL PHENYL ETHER	MG/L	NA	0.194	<0.100	<0.100	<0.010
4-BROMOPHENYL PHENYL ETHER	MG/L	NA	<0.100	<0.100	<0.100	<0.010
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	NA	<0.100	<0.100	<0.100	<0.010
BIS (2-CHLOROETHOXY) METHANE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
HEXACHLOROBUTADIENE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
HEXACHLOROCYCLOPENTADIENE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
ISOPHORONE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
NITROBENZENE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
n-NITROSODIMETHYLAMINE	MG/L	NA	<0.100	<0.100	<0.100	0.034
n-NITROSODIPHENYLAMINE a	MG/L	NA	<0.100	<0.100	<0.100	<0.010
n-NITROSODI-n-PROPYLAMINE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	NA	<0.100	<0.100	<0.100	0.014
BUTYL BENZYL PHTHALATE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
DI-n-BUTYL PHTHALATE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
DI-n-OCTYL PHTHALATE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
DIETHYL PHTHALATE	MG/L	NA	<0.100	<0.100	<0.100	<0.010
DIMETHYL PHTHALATE	MG/L	NA	<0.100	<0.100	<0.100	<0.010

NA = NOT ANALYZED

TABLE E-10
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-1D	MW-1D	MW-1D	MW-1D
	TYPE	9/25/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
POLYNUCLEAR AROMATIC HYDROCARBONS					
ACENAPHTHENE	MG/L	0 0012	<0 010	<0.010	<0.010
ACENAPHTHYLENE	MG/L	<0 003	<0.010	<0 010	<0 010
ANTHRACENE	MG/L	<0.003	<0.010	<0 010	<0.010
BENZO (A) ANTHRACENE	MG/L	<0.004	<0.010	<0.010	<0.010
BENZO (A) PYRENE	MG/L	0.0004	<0.010	<0 010	<0 010
BENZO (B) FLUORANTHENE	MG/L	<0 002	<0.010	<0 010	<0.010
BENZO (K) FLUORANTHENE	MG/L	<0 0003	<0.010	<0 010	<0.010
BENZO (GHI) PERYLENE	MG/L	<0.0003	<0.010	<0 010	<0.010
CHRYSENE	MG/L	<0 004	<0 010	<0 010	<0.010
DIBENZO (A,H) ANTHRACENE	MG/L	<0.0003	<0.010	<0 010	<0.010
FLUORANTHENE	MG/L	<0.0003	<0 010	<0.010	<0 010
FLUORENE	MG/L	0.0016	<0.010	<0.010	<0.010
INDENO (1,2,3-CD) PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010
NAPHTHALENE	MG/L	0.0080	<0.010	<0.010	<0.010
PHENANTHRENE	MG/L	0.0028	<0.010	<0.010	<0.010
PYRENE	MG/L	<0 0003	<0.010	<0 010	<0 010
OTHER BASE/NEUTRAL EXTRACTABLES					
BENZIDINE	MG/L	NA	<0.080	<0 080	<0.080
1,2,4-TRICHLOROBENZENE	MG/L	NA	<0.010	<0.010	<0 010
HEXACHLOROBENZENE	MG/L	NA	<0.010	<0.010	<0.010
HEXACHLOROETHANE	MG/L	NA	<0..010	<0.010	<0.010
BIS (2-CHLOROETHYL) ETHER	MG/L	NA	<0.010	<0.010	<0.010
2-CHLORONAPHTHALENE	MG/L	NA	<0.010	<0.010	<0.010
3,3-DICHLOROBENZIDINE	MG/L	NA	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE E-10
(CONTINUED)
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-1D	MW-1D	MW-1D	MW-1D
	TYPE	9/25/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
BASE/NEUTRAL EXTRACTABLES (CONTINUED)					
2,4-DINITROTOLUENE	MG/L	NA	<0.010	<0.010	<0.010
2,6-DINITROTOLUENE	MG/L	NA	<0.010	<0.010	0.045
1,2-DIPHENYLHYDRAZINE	MG/L	NA	<0.010	<0.010	<0.010
4-CHLOROPHENYL PHENYL ETHER	MG/L	NA	<0.010	<0.010	<0.010
4-BROMOPHENYL PHENYL ETHER	MG/L	NA	<0.010	<0.010	<0.010
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	NA	<0.010	<0.010	<0.010
BIS (2-CHLOROETHOXY) METHANE	MG/L	NA	<0.010	<0.010	<0.010
HEXACHLOROBUTADIENE	MG/L	NA	<0.010	<0.010	<0.010
HEXACHLOROCYCLOPENTADIENE	MG/L	NA	<0.010	<0.010	<0.010
ISOPHORONE	MG/L	NA	<0.010	<0.010	<0.010
NITROBENZENE	MG/L	NA	<0.010	<0.010	<0.010
n-NITROSODIMETHYLAMINE	MG/L	NA	<0.010	<0.010	0.040
n-NITROSODIPHENYLAMINE a	MG/L	NA	<0.010	<0.010	<0.010
n-NITROSODI-n-PROPYLAMINE	MG/L	NA	<0.010	<0.010	<0.010
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	NA	<0.010	0.011	0.232
BUTYL BENZYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010
DI-n-BUTYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010
DI-n-OCTYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010
DIETHYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010
DIMETHYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE E-11
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
	TYPE	9/25/86	9/25/86	12/9/86	3/17/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	DUPLICATE	GRAB
	UNITS						
POLYNUCLEAR AROMATIC HYDROCARBONS							
ACENAPHTHENE	MG/L	0.0011	0.0006	<0.010	<0.010	<0.010	<0.010
ACENAPHTHYLENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
ANTHRACENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
BENZO (A) ANTHRACENE	MG/L	<0.0004	<0.0004	<0.010	<0.010	<0.010	<0.010
BENZO (A) PYRENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
BENZO (B) FLUORANTHENE	MG/L	<0.002	<0.002	<0.010	<0.010	<0.010	<0.010
BENZO (K) FLUORANTHENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
BENZO (GHI) PERYLENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
CHRYSENE	MG/L	<0.0004	<0.0004	<0.010	<0.010	<0.010	<0.010
DIBENZO (A,H) ANTHRACENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
FLUORANTHENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
FLUORENE	MG/L	0.0012	<0.0003	<0.010	<0.010	<0.010	<0.010
INDENO (1,2,3-CD) PYRENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
NAPHTHALENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
PHENANTHRENE	MG/L	0.001	<0.0003	<0.010	<0.010	<0.010	<0.010
PYRENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.010	<0.010
OTHER BASE/NEUTRAL EXTRACTABLES							
BENZIDINE	MG/L	NA	NA	<0.080	<0.080	<0.080	NA
1,2,4-TRICHLOROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
HEXACHLOROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
HEXACHLOROETHANE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
BIS (2-CHLOROETHYL) ETHER	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
2-CHLORONAPHTHALENE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
3,3-DICHLOROBENZIDINE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA

NA = NOT ANALYZED

TABLE E-11
(CONTINUED)
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
	TYPE	9/25/86	9/25/86	12/9/86	3/17/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	DUPLICATE	GRAB
	UNITS						
BASE/NEUTRAL EXTRACTABLES (CONTINUED)							
2 4-DINITROTOLUENE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
2.6-DINITROTOLUENE	MG/L	NA	NA	<0.010	0.048	0.043	NA
1.2-DIPHENYLHYDRAZINE	MG/L	NA	NA	<0.010	<0.010	<0 010	NA
4-CHLOROPHENYL PHENYL ETHER	MG/L	NA	NA	<0.010	<0.010	<0 010	NA
4-BROMOPHENYL PHENYL ETHER	MG/L	NA	NA	<0 010	<0.010	<0.010	NA
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
BIS (2-CHLOROETHOXY) METHANE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
HEXACHLOROBUTADIENE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
HEXACHLOROCYCLOPENTADIENE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
ISOPHORONE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
NITROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
n-NITROSODIMETHYLAMINE	MG/L	NA	NA	<0.010	0 026	0.010	NA
n-NITROSODIPHENYLAMINE a	MG/L	NA	NA	<0 010	<0.010	<0.010	NA
n-NITROSODI-n-PROPYLAMINE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	NA	NA	0.011	0 010	0.095	NA
BUTYL BENZYL PHTHALATE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
DI-n-BUTYL PHTHALATE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
DI-n-OCTYL PHTHALATE	MG/L	NA	NA	<0.010	<0.010	<0.010	NA
DIETHYL PHTHALATE	MG/L	NA	NA	<0 010	<0.010	<0.010	NA
DIMETHYL PHTHALATE	MG/L	NA	NA	<0.010	<0 010	<0.010	NA

NA = NOT ANALYZED

TABLE E-12
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-3D	MW-3D	MW-3D	MW-3D
	TYPE	9/25/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
POLYNUCLEAR AROMATIC HYDROCARBONS					
ACENAPHTHENE	MG/L	0.0011	<0.010	<0.010	<0.010
ACENAPHTHYLENE	MG/L	<0.0003	<0.010	<0.010	<0.010
ANTHRACENE	MG/L	<0.0003	<0.010	<0.010	<0.010
BENZO (A) ANTHRACENE	MG/L	<0.0004	<0.010	<0.010	<0.010
BENZO (A) PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010
BENZO (B) FLUORANTHENE	MG/L	<0.002	<0.010	<0.010	<0.010
BENZO (K) FLUORANTHENE	MG/L	<0.0003	<0.010	<0.010	<0.010
BENZO (GHI) PERYLENE	MG/L	<0.0003	<0.010	<0.010	<0.010
CHRYSENE	MG/L	<0.0004	<0.010	<0.010	<0.010
DIBENZO (A,H) ANTHRACENE	MG/L	<0.0003	<0.010	<0.010	<0.010
FLUORANTHENE	MG/L	<0.0003	<0.010	<0.010	<0.010
FLUORENE	MG/L	<0.0003	<0.010	<0.010	<0.010
INDENO (1,2,3-CD) PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010
NAPHTHALENE	MG/L	<0.0003	<0.010	<0.010	<0.010
PHENANTHRENE	MG/L	<0.0003	<0.010	<0.010	<0.010
PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010
OTHER BASE/NEUTRAL EXTRACTABLES					
BENZIDINE	MG/L	NA	<0.800	<0.800	<0.080
1,2,4-TRICHLOROBENZENE	MG/L	NA	<0.100	<0.100	<0.010
HEXACHLOROBENZENE	MG/L	NA	<0.100	<0.100	<0.010
HEXACHLOROETHANE	MG/L	NA	<0.100	<0.100	<0.010
BIS (2-CHLOROETHYL) ETHER	MG/L	NA	<0.100	<0.100	<0.010
2-CHLORONAPHTHALENE	MG/L	NA	<0.100	<0.100	<0.010
3,3-DICHLOROBENZIDINE	MG/L	NA	<0.100	<0.100	<0.010

NA = NOT ANALYZED

TABLE E-12
(CONTINUED)
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	MW-3D	MW-3D	MW-3D	MW-3D
	TYPE	9/25/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
BASE/NEUTRAL EXTRACTABLES (CONTINUED)					
2,4-DINITROTOLUENE	MG/L	NA	<0.100	<0.100	<0.010
2,6-DINITROTOLUENE	MG/L	NA	<0.100	<0.100	0.045
1,2-DIPHENYLHYDRAZINE	MG/L	NA	<0.100	<0.100	<0.010
4-CHLOROPHENYL PHENYL ETHER	MG/L	NA	<0.100	<0.100	<0.010
4-BROMOPHENYL PHENYL ETHER	MG/L	NA	<0 100	<0.100	<0 010
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	NA	<0.100	<0.100	<0.010
BIS (2-CHLOROETHOXY) METHANE	MG/L	NA	<0.100	<0.100	<0 010
HEXACHLOROBUTADIENE	MG/L	NA	<0 100	<0 100	<0.010
HEXACHLOROCYCLOPENTADIENE	MG/L	NA	<0.100	<0.100	<0.010
ISOPHORONE	MG/L	NA	<0.100	<0.100	<0.010
NITROBENZENE	MG/L	NA	<0.100	<0.100	<0.010
n-NITROSODIMETHYLAMINE	MG/L	NA	<0.100	<0 100	0.028
n-NITROSODIPHENYLAMINE a	MG/L	NA	<0.100	<0.100	<0.010
n-NITROSODI-n-PROPYLAMINE	MG/L	NA	<0.100	<0.100	<0.010
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	NA	0.024	<0 100	<0.010
BUTYL BENZYL PHTHALATE	MG/L	NA	<0 100	<0.100	<0.010
Di-n-BUTYL PHTHALATE	MG/L	NA	<0.100	<0.100	<0.010
DI-n-OCTYL PHTHALATE	MG/L	NA	<0.100	<0.100	<0 010
DIETHYL PHTHALATE	MG/L	NA	<0 100	<0.100	<0.010
DIMETHYL PHTHALATE	MG/L	NA	<0.100	<0.100	<0.010

NA = NOT ANALYZED

TABLE E-13
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	MW-1S	MW-1S	MW-1S	MW-1S
	DATE	9/26/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
NON-CHLORINATED PHENOLS					
2,4-DIMETHYLPHENOL	MG/L	<0.004	<0.010	<0.010	<0.010
2,4-DINITROPHENOL	MG/L	<40	<0 050	<0 050	<0.050
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.003	<0.050	<0.050	<0 050
2-NITROPHENOL	MG/L	<0.004	<0 050	<0 050	<0 050
4-NITROPHENOL	MG/L	<0.007	<0 050	<0.050	<0 050
PHENOL	MG/L	<0.007	<0 010	<0.010	<0.010
OTHER ACID EXTRACTABLES					
2,4,6-TRICHLOROPHENOL	MG/L	NA	<0.050	<0.050	<0.050
p-CHLORO-m-CRESOL	MG/L	NA	<0 050	<0.050	<0.050
2-CHLOROPHENOL	MG/L	NA	<0.050	<0.050	<0.050
2,4-DICHLOROPHENOL	MG/L	NA	<0.050	<0 050	<0.050
4,6-DINITRO-o-CRESOL	MG/L	NA	<0.050	<0 050	<0.050
INORGANIC COMPOUNDS					
IRON, TOTAL	MG/L	<0.12	0.06	0.06	<0.050
ZINC, TOTAL	MG/L	<0.019	0.012	<0.010	0.09
ARSENIC, TOTAL	MG/L	NA	0.014	<0.005	<0.001
CADMIUM, TOTAL	MG/L	NA	<0.001	<0.001	<0.001
CHROMIUM, TOTAL	MG/L	NA	<0.005	<0.010	<0.010
LEAD, TOTAL	MG/L	NA	<0.001	<0.010	<0.010
CYANIDE, TOTAL	MG/L	<0.007	0.01	0.01	0.03
SULFATE	MG/L	70.0	86.0	62.2	53.9
GENERAL ORGANIC PARAMETERS					
TOTAL ORGANIC CARBON	MG/L	42	160	6 3	9.1
ORGANIC NITROGEN	MG/L	0.325	0.3	<0.080	0.36

NA = NOT ANALYZED

TABLE E-14
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	MW-2S	MW-2S	MW-2S	MW-2S	MW-2S
	DATE	9/25/86	12/9/86	3/17/87	6/10/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB	DUPLICATE
	UNITS					
NON-CHLORINATED PHENOLS						
2,4-DIMETHYLPHENOL	MG/L	<0.004	<0.010	<0.010	<0.010	<0.010
2,4-DINITROPHENOL	MG/L	<40	<0.050	<0.050	<0.050	<0.050
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.003	<0.050	<0.050	<0.050	<0.050
2-NITROPHENOL	MG/L	<0.004	<0.050	<0.050	<0.050	<0.050
4-NITROPHENOL	MG/L	<0.007	<0.050	<0.050	<0.050	<0.050
PHENOL	MG/L	<0.007	<0.010	<0.010	<0.010	<0.010
OTHER ACID EXTRACTABLES						
2,4,6-TRICHLOROPHENOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
p-CHLORO-m-CRESOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
2-CHLOROPHENOL	MG/L	NA	<0.050	<0.010	<0.010	<0.010
2,4-DICHLOROPHENOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
4,6-DINITRO-o-CRESOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
INORGANIC COMPOUNDS						
IRON, TOTAL	MG/L	<0.12	0.05	<0.050	0.08	<0.050
ZINC, TOTAL	MG/L	<0.019	0.010	0.03	0.03	0.03
ARSENIC, TOTAL	MG/L	NA	0.001	<0.005	<0.005	<0.005
CADMIUM, TOTAL	MG/L	NA	0.001	<0.001	<0.001	<0.001
CHROMIUM, TOTAL	MG/L	NA	<0.005	<0.010	<0.010	<0.010
LEAD, TOTAL	MG/L	NA	<0.001	<0.010	0.01	<0.010
CYANIDE, TOTAL	MG/L	<0.007	<0.010	<0.010	0.03	0.06
SULFATE	MG/L	43.0	54.1	31.5	92.0	30.6
GENERAL ORGANIC PARAMETERS						
TOTAL ORGANIC CARBON	MG/L	86	160	2.0	3.7	3.8
ORGANIC NITROGEN	MG/L	0.212	0.5	0.13	0.21	0.25

NA = NOT ANALYZED

TABLE E-15
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	MW-3S	MW-3S	MW-3S	MW-3S	MW-3S
	DATE	9/25/86	12/9/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB	GRAB
	UNITS					
NON-CHLORINATED PHENOLS						
2,4-DIMETHYLPHENOL	MG/L	<0.004	<0.100	<0.100	<0.100	<0.010
2,4-DINITROPHENOL	MG/L	<40	<0.100	<0.100	<0.100	<0.050
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.003	<0.500	<0.500	<0.500	<0.050
2-NITROPHENOL	MG/L	<0.004	<0.500	<0.500	<0.500	<0.050
4-NITROPHENOL	MG/L	<0.007	<0.500	<0.500	<0.500	<0.050
PHENOL	MG/L	<0.007	<0.100	<0.100	<0.100	<0.010
OTHER ACID EXTRACTABLES						
2,4,6-TRICHLOROPHENOL	MG/L	NA	<0.100	<0.100	<0.100	<0.050
p-CHLORO-m-CRESOL	MG/L	NA	<0.100	<0.100	<0.100	<0.050
2-CHLOROPHENOL	MG/L	NA	<0.100	<0.100	<0.100	<0.010
2,4-DICHLOROPHENOL	MG/L	NA	<0.500	<0.500	<0.500	<0.050
4,6-DINITRO-o-CRESOL	MG/L	NA	<0.500	<0.500	<0.500	<0.050
INORGANIC COMPOUNDS						
IRON, TOTAL	MG/L	5.10	4.8	4.8	8.0	3.16
ZINC, TOTAL	MG/L	<0.019	0.024	0.028	0.03	0.04
ARSENIC, TOTAL	MG/L	NA	0.004	0.006	0.005	<0.005
CADMIUM, TOTAL	MG/L	NA	<0.001	<0.001	<0.001	<0.001
CHROMIUM, TOTAL	MG/L	NA	<0.005	<0.005	<0.010	<0.010
LEAD, TOTAL	MG/L	NA	0.001	<0.001	0.01	0.01
CYANIDE, TOTAL	MG/L	<0.007	0.01	0.02	<0.010	0.02
SULFATE	MG/L	19.9	14.6	23.1	12.0	43.0
GENERAL ORGANIC PARAMETERS						
TOTAL ORGANIC CARBON	MG/L	36	100	90.0	8.1	15.0
ORGANIC NITROGEN	MG/L	0.375	1.5	0.3	2.2	2.10

NA = NOT ANALYZED

TABLE E-16
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	MW-1D	MW-1D	MW-1D	MW-1D
	TYPE	9/25/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
NON-CHLORINATED PHENOLS					
2,4-DIMETHYLPHENOL	MG/L	<0.004	<0.010	<0.010	<0.010
2,4-DINITROPHENOL	MG/L	<40.0	<0.050	<0.050	<0.050
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.003	<0.050	<0.050	<0.050
2-NITROPHENOL	MG/L	<0.004	<0.050	<0.050	<0.050
4-NITROPHENOL	MG/L	<0.007	<0.050	<0.050	<0.050
PHENOL	MG/L	<0.007	<0.010	<0.010	<0.010
OTHER ACID EXTRACTABLES					
2,4,6-TRICHLOROPHENOL	MG/L	NA	<0.010	<0.050	<0.050
p-CHLORO-m-CRESOL	MG/L	NA	<0.010	<0.050	<0.050
2-CHLOROPHENOL	MG/L	NA	<0.010	<0.050	<0.050
2,4-DICHLOROPHENOL	MG/L	NA	<0.010	<0.050	<0.050
4,6-DINITRO-o-CRESOL	MG/L	NA	<0.050	<0.050	<0.050
INORGANIC COMPOUNDS					
IRON, TOTAL	MG/L	<0.12	0.06	0.10	0.10
ZINC, TOTAL	MG/L	<0.019	0.012	0.01	0.03
ARSENIC, TOTAL	MG/L	NA	0.014	0.01	0.006
CADMIUM, TOTAL	MG/L	NA	<0.001	<0.001	<0.001
CHROMIUM, TOTAL	MG/L	NA	<0.005	<0.01	<0.01
LEAD, TOTAL	MG/L	NA	<0.001	0.01	<0.01
CYANIDE, TOTAL	MG/L	<0.007	<0.01	<0.01	<0.01
SULFATE	MG/L	<2.5	4.2	13.1	23.8
GENERAL ORGANIC PARAMETERS					
TOTAL ORGANIC CARBON	MG/L	42	70.0	2.9	12.0
ORGANIC NITROGEN	MG/L	0.425	<0.1	1.2	0.84

NA = NOT ANALYZED

TABLE E-17
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D	MW-2D
	TYPE	9/25/86	9/26/86	12/9/86	3/17/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	DUPLICATE	GRAB
	UNITS						
NON-CHLORINATED PHENOLS							
2,4-DIMETHYLPHENOL	MG/L	<0.004	<0.004	<0.010	<0.010	<0.010	<0.010
2,4-DINITROPHENOL	MG/L	<40.0	<40.0	<0.050	<0.050	<0.050	<0.050
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.003	<0.003	<0.050	<0.050	<0.050	<0.050
2-NITROPHENOL	MG/L	<0.004	<0.004	<0.050	<0.050	<0.050	<0.050
4-NITROPHENOL	MG/L	<0.007	<0.007	<0.050	<0.050	<0.050	<0.050
PHENOL	MG/L	<0.007	<0.007	<0.010	<0.010	<0.010	<0.010
OTHER ACID EXTRACTABLES							
2,4,6-TRICHLOROPHENOL	MG/L	NA	NA	<0.050	<0.050	<0.050	<0.050
p-CHLORO-m-CRESOL	MG/L	NA	NA	<0.050	<0.050	<0.050	<0.050
2-CHLOROPHENOL	MG/L	NA	NA	<0.010	<0.010	<0.010	<0.010
2,4-DICHLOROPHENOL	MG/L	NA	NA	<0.050	<0.050	<0.050	<0.050
4,6-DINITRO-o-CRESOL	MG/L	NA	NA	<0.050	<0.050	<0.050	<0.050
INORGANIC COMPOUNDS							
IRON, TOTAL	MG/L	0.18	<0.12	0.06	0.06	<0.05	0.06
ZINC, TOTAL	MG/L	<0.019	<0.019	0.013	<0.01	0.01	0.02
ARSENIC, TOTAL	MG/L	NA	NA	0.004	0.007	0.007	<0.005
CADMIUM, TOTAL	MG/L	NA	NA	<0.001	<0.001	<0.001	<0.001
CHROMIUM, TOTAL	MG/L	NA	NA	<0.005	<0.01	<0.01	<0.01
LEAD, TOTAL	MG/L	NA	NA	<0.001	<0.01	<0.01	<0.01
CYANIDE, TOTAL	MG/L	<0.007	<0.007	<0.01	<0.01	0.01	<0.01
SULFATE	MG/L	3.1	2.8	5.1	36.3	15.1	4.46
GENERAL ORGANIC PARAMETERS							
TOTAL ORGANIC CARBON	MG/L	4	4	40.0	1.6	2.1	2.3
ORGANIC NITROGEN	MG/L	<0.150	<0.150	<0.1	0.44	0.37	0.77

NA = NOT ANALYZED

TABLE E-18
DANSVILLE GROUND WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	MW-3D	MW-3D	MW-3D	MW-3D
	TYPE	9/25/86	12/9/86	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	GRAB	GRAB
	UNITS				
NON-CHLORINATED PHENOLS					
2,4-DIMETHYLPHENOL	MG/L	<0.004	<0.010	<0.010	<0.010
2,4-DINITROPHENOL	MG/L	<40.0	<0.050	<0.050	<0.050
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.003	<0.050	<0.050	<0.050
2-NITROPHENOL	MG/L	<0.004	<0.050	<0.050	<0.050
4-NITROPHENOL	MG/L	<0.007	<0.050	<0.050	<0.050
PHENOL	MG/L	<0.007	<0.010	<0.010	<0.010
OTHER ACID EXTRACTABLES					
2,4,6-TRICHLOROPHENOL	MG/L	NA	<0.100	<0.100	<0.050
p-CHLORO-m-CRESOL	MG/L	NA	<0.100	<0.100	<0.050
2-CHLOROPHENOL	MG/L	NA	<0.100	<0.100	<0.010
2,4-DICHLOROPHENOL	MG/L	NA	<0.500	<0.500	<0.050
4,6-DINITRO-o-CRESOL	MG/L	NA	<0.500	<0.500	<0.050
INORGANIC COMPOUNDS					
IRON, TOTAL	MG/L	<0.12	0.05	0.08	0.06
ZINC, TOTAL	MG/L	<0.019	0.034	<0.01	0.05
ARSENIC, TOTAL	MG/L	NA	0.010	0.019	0.007
CADMIUM TOTAL	MG/L	NA	<0.001	<0.001	0.001
CHROMIUM, TOTAL	MG/L	NA	<0.005	<0.01	<0.01
LEAD, TOTAL	MG/L	NA	<0.001	0.01	0.02
CYANIDE, TOTAL	MG/L	<0.007	<0.01	<0.01	<0.01
SULFATE	MG/L	22.6	5.5	12.4	9.54
GENERAL ORGANIC PARAMETERS					
TOTAL ORGANIC CARBON	MG/L	11	27.0	8.6	5.8
ORGANIC NITROGEN	MG/L	0.375	<0.1	2.2	0.94

NA = NOT ANALYZED

Table ECC - 1

COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: DVGUMW861S
COMPUCHEM® SAMPLE NUMBER: 102988

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	BROMOMETHANE	BDL	10
3V.	VINYL CHLORIDE	BDL	10
4V.	CHLOROETHANE	BDL	10
5V.	METHYLENE CHLORIDE	14	10
6V.	ACROLEIN	BDL	100
7V.	ACRYLONITRILE	BDL	100
8V.	1,1-DICHLOROETHYLENE	BDL	10
9V.	1,1-DICHLOROETHANE	BDL	10
10V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10
11V.	CHLOROFORM	BDL	10
12V.	1,2-DICHLOROETHANE	BDL	10
13V.	1,1,1-TRICHLOROETHANE	BDL	10
14V.	CARBON TETRACHLORIDE	BDL	10
15V.	BROMODICHLOROMETHANE	BDL	10
16V.	1,2-DICHLOROPROPANE	BDL	10
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
18V.	TRICHLOROETHYLENE	BDL	10
19V.	DIBROMOCHLOROMETHANE	BDL	10
20V.	1,1,2-TRICHLOROETHANE	BDL	10
21V.	BENZENE	BDL	10
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

	% Recovery	Control Range%
D_4-1,2-Dichloroethane	101	(77-120)
4-Bromofluorobenzene	96	(85-121)
D_8-Toluene	106	(86-119)

BDL= BELOW DETECTION LIMIT

Table ECC - 1
(Continued)
COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: DVGDMW863S
COMPUCHEM® SAMPLE NUMBER: 102984

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1V.	CHLOROMETHANE	BDL	10
2V.	BROMOMETHANE	BDL	10
3V.	VINYL CHLORIDE	140	10
4V.	CHLOROETHANE	BDL	10
5V.	METHYLENE CHLORIDE	6 J	10
6V.	ACROLEIN	BDL	100
7V.	ACRYLONITRILE	BDL	100
8V.	1,1-DICHLOROETHYLENE	BDL	10
9V.	1,1-DICHLOROETHANE	BDL	10
10V.	TRANS-1,2-DICHLOROETHYLENE	62	10
11V.	CHLOROFORM	BDL	10
12V.	1,2-DICHLOROETHANE	BDL	10
13V.	1,1,1-TRICHLOROETHANE	BDL	10
14V.	CARBON TETRACHLORIDE	BDL	10
15V.	BROMODICHLOROMETHANE	BDL	10
16V.	1,2-DICHLOROPROPANE	BDL	10
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
18V.	TRICHLOROETHYLENE	BDL	10
19V.	DIBROMOCHLOROMETHANE	BDL	10
20V.	1,1,2-TRICHLOROETHANE	BDL	10
21V.	BENZENE	35	10
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10
24V.	BROMOFORM	BDL	10
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	33	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	8 J	10

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

	% Recovery	Control Range%
D_4-1,2-Dichloroethane	95	(77-120)
4-Bromofluorobenzene	94	(85-121)
D_8-Toluene	108	(86-119)

BDL= BELOW DETECTION LIMIT
J=Estimated concentration; values are between the detection limit and one-half of that limit.

Table ECC - 2

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES

SAMPLE IDENTIFIER: DVGUMW861S
COMPUCHEM® SAMPLE NUMBER: 102987

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	10
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10
3B.	1,3-DICHLOROBENZENE	BDL	10
4B.	1,4-DICHLOROBENZENE	BDL	10
5B.	1,2-DICHLOROBENZENE	BDL	10
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10
7B.	N-NITROSODI-N-PROPYLAMINE	BDL	10
8B.	HEXACHLOROETHANE	BDL	10
9B.	NITROBENZENE	BDL	10
10B.	ISOPHORONE	BDL	10
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10
12B.	1,2,4-TRICHLOROBENZENE	BDL	10
13B.	NAPHTHALENE	BDL	10
14B.	HEXACHLOROBUTADIENE	BDL	10
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10
16B.	2-CHLORONAPHTHALENE	BDL	10
17B.	DIMETHYLPHTHALATE	BDL	10
18B.	ACENAPHTHYLENE	BDL	10
19B.	2,6-DINITROTOLUENE	BDL	10
20B.	ACENAPHTHENE	BDL	10
21B.	2,4-DINITROTOLUENE	BDL	10
22B.	DIETHYLPHTHALATE	BDL	10
23B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10
24B.	FLUORENE	BDL	10
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10
28B.	HEXACHLOROBENZENE	BDL	10

(Continued)

BDL=BELOW DETECTION LIMIT

Table ECC - 2
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES (Page Two)

SAMPLE IDENTIFIER: DVGUMW861S
COMPUCHEM® SAMPLE NUMBER: 102987

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
29B.	PHENANTHRENE	BDL	10
30B.	ANTHRACENE	BDL	10
31B.	DI-N-BUTYLPHTHALATE	BDL	10
32B.	FLUORANTHENE	BDL	10
33B.	PYRENE	BDL	10
34B.	BENZIDINE	BDL	50
35B.	BUTYLBENZYLPHTHALATE	BDL	10
36B.	3,3'-DICHLOROBENZIDINE	BDL	20
37B.	BENZO(A)ANTHRACENE	BDL	10
38B.	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10
39B.	CHRYSENE	BDL	10
40B.	DI-N-OCTYLPHTHALATE	BDL	10
41B.	BENZO(B)FLUORANTHENE	BDL	10
42B.	BENZO(K)FLUORANTHENE	BDL	10
43B.	BENZO(A)PYRENE	BDL	10
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	10
45B.	DIBENZO(A,H)ANTHRACENE	BDL	10
46B.	BENZO(G,H,I)PERYLENE	BDL	10

Surrogates Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
D_5-Nitrobenzene	65	(41-120)
2-Fluorobiphenyl	67	(44-119)
D_{14}-Terphenyl	79	(33-128)
D_{10}-Pyrene*	103	*

BDL=BELOW DETECTION LIMIT
*Advisory Surrogate; therefore no control range.

Table ECC - 2
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES

SAMPLE IDENTIFIER: DVGDMW863S
COMPUCHEM® SAMPLE NUMBER: 102983

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1B.	N-NITROSODIMETHYLAMINE	BDL	10
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10
3B.	1,3-DICHLOROBENZENE	BDL	10
4B.	1,4-DICHLOROBENZENE	BDL	10
5B.	1,2-DICHLOROBENZENE	BDL	10
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10
7B.	N-NITROSODI-N-PROPYLAMINE	BDL	10
8B.	HEXACHLOROETHANE	8 J	10
9B.	NITROBENZENE	BDL	10
10B.	ISOPHORONE	BDL	10
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10
12B.	1,2,4-TRICHLOROBENZENE	BDL	10
13B.	NAPHTHALENE	42	10
14B.	HEXACHLOROBUTADIENE	BDL	10
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10
16B.	2-CHLORONAPHTHALENE	BDL	10
17B.	DIMETHYLPHTHALATE	BDL	10
18B.	ACENAPHTHYLENE	25	10
19B.	2,6-DINITROTOLUENE	BDL	10
20B.	ACENAPHTHENE	76	10
21B.	2,4-DINITROTOLUENE	BDL	10
22B.	DIETHYLPHTHALATE	BDL	10
23B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10
24B.	FLUORENE	41	10
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10
28B.	HEXACHLOROBENZENE	BDL	10

(Continued)

BDL=BELOW DETECTION LIMIT
J=Estimated concentration; values are between the detection limit and one-half of that limit.

Table ECC - 2
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES (Page Two)

SAMPLE IDENTIFIER: DVGDMW863S
COMPUCHEM® SAMPLE NUMBER: 102983

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
29B.	PHENANTHRENE	10	10
30B.	ANTHRACENE	10	10
31B.	DI-N-BUTYLPHTHALATE	BDL	10
32B.	FLUORANTHENE	7 J	10
33B.	PYRENE	14	10
34B.	BENZIDINE	BDL	50
35B.	BUTYLBENZYLPHTHALATE	BDL	10
37B.	3,3'-DICHLOROBENZIDINE	BDL	20
36B.	BENZO(A)ANTHRACENE	BDL	10
39B.	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10
38B.	CHRYSENE	BDL	10
40B.	DI-N-OCTYLPHTHALATE	BDL	10
41B.	BENZO(B)FLUORANTHENE	BDL	10
42B.	BENZO(K)FLUORANTHENE	BDL	10
43B.	BENZO(A)PYRENE	BDL	10
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	10
45B.	DIBENZO(A,H)ANTHRACENE	BDL	10
46B.	BENZO(G,H,I)PERYLENE	BDL	10

Surrogates Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
D_5-Nitrobenzene	70	(41-120)
2-Fluorobiphenyl	65	(44-119)
D_{14}-Terphenyl	75	(33-128)
D_{10}-Pyrene*	102	*

BDL=BELOW DETECTION LIMIT
*Advisory Surrogate; therefore no control range
J=Estimated concentration; values are between the detection limit and one-half of that limit.

Table ECC - 3

COMPOUND LIST -- ACID EXTRACTABLES

SAMPLE IDENTIFIER: DVGDMW863S
COMPUCHEM® SAMPLE NUMBER: 102983

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1A.	PHENOL	BDL	10
2A.	2-CHLOROPHENOL	BDL	10
3A.	2-NITROPHENOL	BDL	10
4A.	2,4-DIMETHYLPHENOL	BDL	10
5A.	2,4-DICHLOROPHENOL	BDL	10
6A.	P-CHLORO-M-CRESOL	BDL	10
7A.	2,4,6-TRICHLOROPHENOL	BDL	10
8A.	2,4-DINITROPHENOL	BDL	50
9A.	4-NITROPHENOL	BDL	50
10A.	4,6-DINITRO-O-CRESOL	BDL	50
11A.	PENTACHLOROPHENOL	BDL	50

Surrogate Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
2-Fluorophenol	23	(23-121)
D_5-Phenol	22	(15-103)
2,4,6-Tribromophenol	72	(10-130)

BDL= BELOW DETECTION LIMIT

Table ECC - 3
(Continued)

COMPOUND LIST -- ACID EXTRACTABLES

SAMPLE IDENTIFIER: DVGUMW861S
COMPUCHEM® SAMPLE NUMBER: 102987

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)
1A.	PHENOL	BDL	10
2A.	2-CHLOROPHENOL	BDL	10
3A.	2-NITROPHENOL	BDL	10
4A.	2,4-DIMETHYLPHENOL	BDL	10
5A.	2,4-DICHLOROPHENOL	BDL	10
6A.	P-CHLORO-M-CRESOL	BDL	10
7A.	2,4,6-TRICHLOROPHENOL	BDL	10
8A.	2,4-DINITROPHENOL	BDL	50
9A.	4-NITROPHENOL	BDL	50
10A.	4,6-DINITRO-O-CRESOL	BDL	50
11A.	PENTACHLOROPHENOL	BDL	50

Surrogate Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
2-Fluorophenol	31	(23-121)
D_5-Phenol	26	(15-103)
2,4,6-Tribromophenol	65	(10-130)

BDL= BELOW DETECTION LIMIT

Table ECC - 4

COMPOUND LIST -- INORGANICS PRIORITY POLLUTANTS

SAMPLE IDENTIFIER: DVGUMW861S
COMPUCHEM SAMPLE NUMBER: 102989

	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
1. ANTIMONY, TOTAL	BDL	0.050
2. ARSENIC, TOTAL	BDL	0.050
3. BERYLLIUM, TOTAL	BDL	0.020
4. CADMIUM, TOTAL	BDL	0.010
5. CHROMIUM, TOTAL	BDL	0.050
6. COPPER, TOTAL	BDL	0.100
7. LEAD, TOTAL	BDL	0.050
8. MERCURY, TOTAL	BDL	0.00020
9. NICKEL, TOTAL	BDL	0.100
10. SELENIUM, TOTAL	BDL	0.010
11. SILVER, TOTAL	BDL	0.050
12. THALLIUM, TOTAL	BDL	0.050
13. ZINC, TOTAL	BDL	0.020
14. CYANIDE	BDL	0.010
15. PHENOL	BDL	0.010

BDL=BELOW DETECTION LIMIT

Table ECC - 4
(Continued)

COMPOUND LIST -- INORGANICS PRIORITY POLLUTANTS

SAMPLE IDENTIFIER: DVGDMW863S
COMPUCHEM SAMPLE NUMBER: 102986

	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
1. ANTIMONY, TOTAL	BDL	0.050
2. ARSENIC, TOTAL	BDL	0.050
3. BERYLLIUM, TOTAL	BDL	0.020
4. CADMIUM, TOTAL	BDL	0.010
5. CHROMIUM, TOTAL	BDL	0.050
6. COPPER, TOTAL	BDL	0.100
7. LEAD, TOTAL	BDL	0.050
8. MERCURY, TOTAL	BDL	0.00020
9. NICKEL, TOTAL	BDL	0.100
10. SELENIUM, TOTAL	BDL	0.010
11. SILVER, TOTAL	BDL	0.050
12. THALLIUM, TOTAL	BDL	0.050
13. ZINC, TOTAL	BDL	0.020
14. CYANIDE	BDL	0.25
15. PHENOL	BDL	0.10

BDL=BELOW DETECTION LIMIT

Table ECC - 5

COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: DUGDMW862S
COMPUCHEM® SAMPLE NUMBER: 111589

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
1V.	CHLOROMETHANE	BDL	10	
2V.	BROMOMETHANE	BDL	10	
3V.	VINYL CHLORIDE	BDL	10	
4V.	CHLOROETHANE	BDL	10	
5V.	METHYLENE CHLORIDE	BDL	10	
6V.	ACROLEIN	BDL	100	
7V.	ACRYLONITRILE	BDL	100	
8V.	1,1-DICHLOROETHYLENE	BDL	10	
9V.	1,1-DICHLOROETHANE	BDL	10	
10V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10	
11V.	CHLOROFORM	BDL	10	
12V.	1,2-DICHLOROETHANE	BDL	10	
13V.	1,1,1-TRICHLOROETHANE	BDL	10	
14V.	CARBON TETRACHLORIDE	BDL	10	
15V.	BROMODICHLOROMETHANE	BDL	10	
16V.	1,2-DICHLOROPROPANE	BDL	10	
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10	
18V.	TRICHLOROETHYLENE	BDL	10	
19V.	DIBROMOCHLOROMETHANE	BDL	10	
20V.	1,1,2-TRICHLOROETHANE	BDL	10	
21V.	BENZENE	BDL	10	
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10	
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10	
24V.	BROMOFORM	BDL	10	
25V.	1,1,2,2-TETRACHLOROETHYLENE	BDL	10	
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10	
27V.	TOLUENE	BDL	10	
28V.	CHLOROBENZENE	BDL	10	
29V.	ETHYLBENZENE	BDL	10	

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

	% Recovery	Control Range%
D_4-1,2-Dichloroethane	106	(77-120)
4-Bromofluorobenzene	101	(85-121)
D_8-Toluene	94	(86-119)

BDL= BELOW DETECTION LIMIT

Table ECC - 5
(Continued)

COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: DUGDMW862D
COMPUCHEM® SAMPLE NUMBER: 111594

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
1V.	CHLOROMETHANE	BDL	10	
2V.	BROMOMETHANE	BDL	10	
3V.	VINYL CHLORIDE	BDL	10	
4V.	CHLOROETHANE	BDL	10	
5V.	METHYLENE CHLORIDE	BDL	10	
6V.	ACROLEIN	BDL	100	
7V.	ACRYLONITRILE	BDL	100	
8V.	1,1-DICHLOROETHYLENE	BDL	10	
9V.	1,1-DICHLOROETHANE	BDL	10	
10V.	TRANS-1,2-DICHLOROETHYLENE	BDL	10	
11V.	CHLOROFORM	BDL	10	
12V.	1,2-DICHLOROETHANE	BDL	10	
13V.	1,1,1-TRICHLOROETHANE	BDL	10	
14V.	CARBON TETRACHLORIDE	BDL	10	
15V.	BROMODICHLOROMETHANE	BDL	10	
16V.	1,2-DICHLOROPROPANE	BDL	10	
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10	
18V.	TRICHLOROETHYLENE	BDL	10	
19V.	DIBROMOCHLOROMETHANE	BDL	10	
20V.	1,1,2-TRICHLOROETHANE	BDL	10	
21V.	BENZENE	BDL	10	
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10	
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10	
24V.	BROMOFORM	BDL	10	
25V.	TETRACHLOROETHENE	BDL	10	
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10	
27V.	TOLUENE	BDL	10	
28V.	CHLOROBENZENE	BDL	10	
29V.	ETHYLBENZENE	BDL	10	

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

	% Recovery	Control Range%
D_4-1,2-Dichloroethane	89	(77-120)
4-Bromofluorobenzene	96	(85-121)
D_8-Toluene	102	(86-119)

BDL= BELOW DETECTION LIMIT

Table ECC - 6

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES

SAMPLE IDENTIFIER: DUGDMW862S
COMPUCHEM® SAMPLE NUMBER: 111590

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
1B.	N-NITROSODIMETHYLAMINE	BDL	10	
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10	
3B.	1,3-DICHLOROBENZENE	BDL	10	
4B.	1,4-DICHLOROBENZENE	BDL	10	
5B.	1,2-DICHLOROBENZENE	BDL	10	
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10	
7B.	N-NITROSODI-N-PROPYLAMINE	BDL	10	
8B.	HEXACHLOROETHANE	BDL	10	
9B.	NITROBENZENE	BDL	10	
10B.	ISOPHORONE	BDL	10	
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10	
12B.	1,2,4-TRICHLOROBENZENE	BDL	10	
13B.	NAPHTHALENE	BDL	10	
14B.	HEXACHLOROBUTADIENE	BDL	10	
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10	
16B.	2-CHLORONAPHTHALENE	BDL	10	
17B.	DIMETHYLPHTHALATE	BDL	10	
18B.	ACENAPHTHYLENE	BDL	10	
19B.	2,6-DINITROTOLUENE	BDL	10	
20B.	ACENAPHTHENE	BDL	10	
21B.	2,4-DINITROTOLUENE	BDL	10	
22B.	DIETHYLPHTHALATE	BDL	10	
23B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10	
24B.	FLUORENE	BDL	10	
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10	
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10	
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10	
28B.	HEXACHLOROBENZENE	BDL	10	

(Continued)

BDL=BELOW DETECTION LIMIT

Table ECC - 6
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES (Page Two)

SAMPLE IDENTIFIER: DUGDMW8625
COMPUCHEM® SAMPLE NUMBER: 111590

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
29B.	PHENANTHRENE	BDL	10	
30B.	ANTHRACENE	BDL	10	
31B.	DI-N-BUTYLPHTHALATE	BDL	10	
32B.	FLUORANTHENE	BDL	10	
33B.	PYRENE	BDL	10	
34B.	BENZIDINE	BDL	50	
35B.	BUTYLBENZYLPHTHALATE	BDL	10	
36B.	3,3'-DICHLOROBENZIDINE	BDL	20	
37B.	BENZO(A)ANTHRACENE	BDL	10	
38B.	BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10	
39B.	CHRYSENE	BDL	10	
40B.	DI-N-OCTYLPHTHALATE	BDL	10	
41B.	BENZO(B)FLUORANTHENE	BDL	10	
42B.	BENZO(K)FLUORANTHENE	BDL	10	
43B.	BENZO(A)PYRENE	BDL	10	
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	10	
45B.	DIBENZO(A,H)ANTHRACENE	BDL	10	
46B.	BENZO(G,H,I)PERYLENE	BDL	10	

Surrogates Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
D_5-Nitrobenzene	71	(41-120)
2-Fluorobiphenyl	80	(44-119)
D_{14}-Terphenyl	108	(33-128)
D_{10}-Pyrene*	131	*

BDL=BELOW DETECTION LIMIT
*Advisory Surrogate; therefore no control range.

Table ECC - 6
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES

SAMPLE IDENTIFIER: DUGDMW862D
COMPUCHEM® SAMPLE NUMBER: 111595

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
1B.	N-NITROSODIMETHYLAMINE	BDL	10	
2B.	BIS (2-CHLOROETHYL) ETHER	BDL	10	
3B.	1,3-DICHLOROBENZENE	BDL	10	
4B.	1,4-DICHLOROBENZENE	BDL	10	
5B.	1,2-DICHLOROBENZENE	BDL	10	
6B.	BIS (2-CHLOROISOPROPYL) ETHER	BDL	10	
7B.	N-NITROSODI-N-PROPYLAMINE	BDL	10	
8B.	HEXACHLOROETHANE	BDL	10	
9B.	NITROBENZENE	BDL	10	
10B.	ISOPHORONE	BDL	10	
11B.	BIS(2-CHLOROETHOXY) METHANE	BDL	10	
12B.	1,2,4-TRICHLOROBENZENE	BDL	10	
13B.	NAPHTHALENE	BDL	10	
14B.	HEXACHLOROBUTADIENE	BDL	10	
15B.	HEXACHLOROCYCLOPENTADIENE	BDL	10	
16B.	2-CHLORONAPHTHALENE	BDL	10	
17B.	DIMETHYLPHTHALATE	BDL	10	
18B.	ACENAPHTHYLENE	BDL	10	
19B.	2,6-DINITROTOLUENE	BDL	10	
20B.	ACENAPHTHENE	BDL	10	
21B.	2,4-DINITROTOLUENE	BDL	10	
22B.	DIETHYLPHTHALATE	BDL	10	
23B.	4-CHLOROPHENYL PHENYL ETHER	BDL	10	
24B.	FLUORENE	BDL	10	
25B.	DIPHENYLAMINE (N-NITROSO)	BDL	10	
26B.	1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	BDL	10	
27B.	4-BROMOPHENYL PHENYL ETHER	BDL	10	
28B.	HEXACHLOROBENZENE	BDL	10	

(Continued)

BDL=BELOW DETECTION LIMIT

Table ECC - 6
(Continued)

COMPOUND LIST -- BASE-NEUTRAL EXTRACTABLES (Page Two)

SAMPLE IDENTIFIER: DUGDMW862D
COMPUCHEM® SAMPLE NUMBER: 111595

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
29B.	PHENANTHRENE	BDL	10	
30B.	ANTHRACENE	BDL	10	
31B.	DI-N-BUTYLPHTHALATE	BDL	10	
32B.	FLUORANTHENE	BDL	10	
33B.	PYRENE	BDL	10	
34B.	BENZIDINE	BDL	50	
35B.	BUTYLBENZYLPHTHALATE	BDL	10	
36B.	3,3'-DICHLOROBENZIDINE	BDL	20	
37B.	BENZO(A)ANTHRACENE	BDL	10	
38B.	BIS(2-ETHYLHEXYL)PHTHALATE	11	10	1282
39B.	CHRYSENE	BDL	10	
40B.	DI-N-OCTYLPHTHALATE	BDL	10	
41B.	BENZO(B)FLUORANTHENE	BDL	10	
42B.	BENZO(K)FLUORANTHENE	BDL	10	
43B.	BENZO(A)PYRENE	BDL	10	
44B.	INDENO(1,2,3-C,D)PYRENE	BDL	10	
45B.	DIBENZO(A,H)ANTHRACENE	BDL	10	
46B.	BENZO(G,H,I)PERYLENE	BDL	10	

Surrogates Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
D_5-Nitrobenzene	71	(41-120)
2-Fluorobiphenyl	77	(44-119)
D_{14}-Terphenyl	113	(33-128)
D_{10}-Pyrene*	144	*

BDL=BELOW DETECTION LIMIT
*Advisory Surrogate; therefore no control range.

Table ECC - 7

COMPOUND LIST -- ACID EXTRACTABLES

SAMPLE IDENTIFIER: DUGDMW8625
COMPUCHEM® SAMPLE NUMBER: 111590

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
1A.	PHENOL	BDL	10	
2A.	2-CHLOROPHENOL	BDL	10	
3A.	2-NITROPHENOL	BDL	10	
4A.	2,4-DIMETHYLPHENOL	BDL	10	
5A.	2,4-DICHLOROPHENOL	BDL	10	
6A.	P-CHLORO-M-CRESOL	BDL	10	
7A.	2,4,6-TRICHLOROPHENOL	BDL	10	
8A.	2,4-DINITROPHENOL	BDL	50	
9A.	4-NITROPHENOL	BDL	50	
10A.	4,6-DINITRO-O-CRESOL	BDL	50	
11A.	PENTACHLOROPHENOL	BDL	50	

Surrogate Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
2-Fluorophenol	34	(23-121)
D_5-Phenol	29	(15-103)
2,4,6-Tribromophenol	31	(10-130)

BDL= BELOW DETECTION LIMIT

Table ECC - 7
(Continued)

COMPOUND LIST -- ACID EXTRACTABLES

SAMPLE IDENTIFIER: DUGDMW862D
COMPUCHEM® SAMPLE NUMBER: 111595

		CONCENTRATION (UG/L)	DETECTION LIMIT (UG/L)	SCAN NUMBER
1A.	PHENOL	BDL	10	
2A.	2-CHLOROPHENOL	BDL	10	
3A.	2-NITROPHENOL	BDL	10	
4A.	2,4-DIMETHYLPHENOL	BDL	10	
5A.	2,4-DICHLOROPHENOL	BDL	10	
6A.	P-CHLORO-M-CRESOL	BDL	10	
7A.	2,4,6-TRICHLOROPHENOL	BDL	10	
8A.	2,4-DINITROPHENOL	BDL	50	
9A.	4-NITROPHENOL	BDL	50	
10A.	4,6-DINITRO-O-CRESOL	BDL	50	
11A.	PENTACHLOROPHENOL	BDL	50	

Surrogate Recoveries - Introduced at the beginning of the extraction, surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of extraction efficiency and analytical response for the individual sample.

	%Recovery	Control Range%
2-Fluorophenol	39	(23-121)
D_5-Phenol	26	(15-103)
2,4,6-Tribromophenol	49	(10-130)

BDL= BELOW DETECTION LIMIT

Table ECC - 8

COMPOUND LIST - INORGANIC PRIORITY POLLUTANTS

SAMPLE IDENTIFIER: DUGDMW862S
COMPUCHEM SAMPLE NUMBER: 111591

	UG/L
1. ANTIMONY, TOTAL	[44]
2. ARSENIC, TOTAL	3U
3. BERYLLIUM, TOTAL	1U
4. CADMIUM, TOTAL	5U
5. CHROMIUM, TOTAL	6U
6. COPPER, TOTAL	[15]
7. LEAD, TOTAL	3.4U
8. MERCURY, TOTAL	0.2U
9. NICKEL, TOTAL	31U
10. SELENIUM, TOTAL	2.8U
11. SILVER, TOTAL	5U
12. THALLIUM, TOTAL	7.4U
13. ZINC, TOTAL	[12]

U - Indicates element was analyzed for but not detected. Report with the detection limit value (e.g. 10U).

Value - If the result is a value greater than or equal to the instrument detection limit but less than EPA Contract Laboratory Program (CLP) Contract Required Detection Limit (CRDL), The value is reported in brackets (i.e.,[10].

Table ECC - 8
(Continued)

COMPOUND LIST - INORGANIC PRIORITY POLLUTANTS

SAMPLE IDENTIFIER: DUGDMW862D
COMPUCHEM SAMPLE NUMBER: 111596

	UG/L
1. ANTIMONY, TOTAL	35U
2. ARSENIC, TOTAL	[3.4]
3. BERYLLIUM, TOTAL	1U
4. CADMIUM, TOTAL	5U
5. CHROMIUM, TOTAL	6U
6. COPPER, TOTAL	[13]
7. LEAD, TOTAL	3.4U
8. MERCURY, TOTAL	0.2U
9. NICKEL, TOTAL	31U
10. SELENIUM, TOTAL	2.8U
11. SILVER, TOTAL	5U
12. THALLIUM, TOTAL	7.4U
13. ZINC, TOTAL	[12]

U - Indicates element was analyzed for but not detected. Report with the detection limit value (e.g. 10U).

Value - If the result is a value greater than or equal to the instrument detection limit but less than EPA Contract Laboratory Program (CLP) Contract Required Detection Limit (CRDL), The value is reported in brackets (i.e.,[10].

Table ECC - 9

COMPOUND LIST - CLASSICAL PARAMETERS

SAMPLE IDENTIFIER: DUGDMW8625
COMPUCHEM SAMPLE NUMBER: 111593

	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
1. PHENOLS, TOTAL	0.012	0.010

Table ECC - 9
(Continued)

COMPOUND LIST - CLASSICAL PARAMETERS

SAMPLE IDENTIFIER: DUGDMW862D
COMPUCHEM SAMPLE NUMBER: 111598

	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
1. PHENOLS, TOTAL	0.010	0.010

Table ECC - 10

COMPOUND LIST - CLASSICAL PARAMETERS

SAMPLE IDENTIFIER: DUGDMW862S
COMPUCHEM SAMPLE NUMBER: 111592

	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
1. CYANIDE, TOTAL	BDL	0.010

BDL = BELOW DETECTION LIMITS

Table ECC - 10
(Continued)

COMPOUND LIST - CLASSICAL PARAMETERS

SAMPLE IDENTIFIER: DUGDMW862D
COMPUCHEM SAMPLE NUMBER: 111597

	CONCENTRATION (MG/L)	DETECTION LIMIT (MG/L)
1. CYANIDE, TOTAL	BDL	0.010

BDL = BELOW DETECTION LIMITS

APPENDIX F

ANALYTICAL RESULTS - SEWERS

TABLE F-1
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	SR-1	SR-1	SR-1	SR-1	SR-1
	DATE	9/26/86	12/9/86	12/9/86	6/10/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB	DUPLICATE
	UNITS					
PURGEABLE AROMATICS						
BENZENE	MG/L	0.006	<0.005	<0.005	<0.005	<0.005
CHLOROBENZENE	MG/L	0.003	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.002	<0.010	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	0.016	<0.010	<0.010	<0.010	<0.010
ETHYLBENZENE	MG/L	0.002	<0.005	<0.005	<0.005	<0.005
STYRENE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
TOLUENE	MG/L	0.006	<0.005	<0.005	<0.005	<0.005
TOTAL XYLENES	MG/L	NA	<0.005	<0.005	<0.005	<0.005
OTHER VOLATILE ORGANICS						
CHLOROMETHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BROMOMETHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
VINYL CHLORIDE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
CHLOROETHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
METHYLENE CHLORIDE	MG/L	NA	<0.005	0.003	0.015	0.006
ACETONE	MG/L	NA	<0.010	0.016	0.018	<0.010
CARBON DISULFIDE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
1,1-DICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
1,1-DICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
TRANS-1,2-DICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
CHLOROFORM	MG/L	NA	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
2-BUTANONE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
1,1,1-TRICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
CARBON TETRACHLORIDE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
VINYL ACETATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BROMODICHLOROMETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROPROPANE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
TRICHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
DIBROMOCHLOROMETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
1,1,2-TRICHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BROMOFORM	MG/L	NA	<0.005	<0.005	<0.005	<0.005
2-HEXANONE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
4-METHYL-2-PENTANONE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
TETRACHLOROETHENE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	NA	<0.005	<0.005	<0.005	<0.005

NA = NOT ANALYZED

TABLE F-2
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	SR-2	SR-2	SR-2	SR-2	SR-2
	DATE	9/25/86	9/25/86	12/9/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
	UNITS					
PURGEABLE AROMATICS						
BENZENE	MG/L	0.004	<0.001	<0.005	<0.005	<0.005
CHLOROBENZENE	MG/L	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROBENZENE	MG/L	<0.002	<0.002	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.002	<0.002	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	0.006	0.016	<0.010	<0.010	<0.010
ETHYLBENZENE	MG/L	<0.001	<0.001	<0.005	0.010	<0.010
STYRENE	MG/L	NA	<0.005	<0.005	<0.005	<0.005
TOLUENE	MG/L	0.002	<0.001	<0.005	0.026	<0.005
TOTAL XYLENES	MG/L	NA	NA	<0.005	0.027	<0.005
OTHER VOLATILE ORGANICS						
CHLOROMETHANE	MG/L	NA	NA	<0.010	<0.010	<0.100
BROMOMETHANE	MG/L	NA	NA	<0.010	<0.010	<0.100
VINYL CHLORIDE	MG/L	NA	NA	<0.010	<0.010	<0.100
CHLOROETHANE	MG/L	NA	NA	<0.010	<0.010	<0.100
METHYLENE CHLORIDE	MG/L	NA	NA	<0.005	0.060	0.013
ACETONE	MG/L	NA	NA	<0.010	0.033	0.219
CARBON DISULFIDE	MG/L	NA	NA	<0.005	<0.005	<0.050
1,1-DICHLOROETHENE	MG/L	NA	NA	<0.005	<0.005	<0.050
1,1-DICHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050
TRANS-1,2-DICHLOROETHENE	MG/L	NA	NA	<0.005	<0.005	<0.050
CHLOROFORM	MG/L	NA	NA	<0.005	<0.005	<0.050
1,2-DICHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.050
2-BUTANONE	MG/L	NA	NA	<0.010	<0.010	<0.100
1,1,1-TRICHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.005
CARBON TETRACHLORIDE	MG/L	NA	NA	<0.005	<0.005	<0.005
VINYL ACETATE	MG/L	NA	NA	<0.010	<0.010	<0.010
BROMODICHLOROMETHANE	MG/L	NA	NA	<0.005	<0.005	<0.005
1,2-DICHLOROPROPANE	MG/L	NA	NA	<0.005	<0.005	<0.005
TRANS-1,3-DICHLOROPROPENE	MG/L	NA	NA	<0.005	<0.005	<0.005
TRICHLOROETHENE	MG/L	NA	NA	<0.005	<0.005	<0.005
DIBROMOCHLOROMETHANE	MG/L	NA	NA	<0.005	<0.005	<0.005
1,1,2-TRICHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	NA	NA	<0.005	<0.005	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	NA	NA	<0.010	<0.010	<0.010
BROMOFORM	MG/L	NA	NA	<0.005	<0.005	<0.005
2-HEXANONE	MG/L	NA	NA	<0.010	<0.010	<0.010
4-METHYL-2-PENTANONE	MG/L	NA	NA	<0.010	<0.010	<0.010
TETRACHLOROETHENE	MG/L	NA	NA	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	NA	NA	<0.005	<0.005	<0.005

NA = NOT ANALYZED

TABLE F-3
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
VOLATILES

	SAMPLE ID	SR-3	SR-3	SR-3	SR-3
	DATE	12/9/86	3/17/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB
	UNITS				
PURGEABLE AROMATICS					
BENZENE	MG/L	<0.005	<0.005	<0.005	<0.005
CHLOROBENZENE	MG/L	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROBENZENE	MG/L	<0.010	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.010	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	<0.010	<0.010	<0.010	<0.010
ETHYLBENZENE	MG/L	<0.005	<0.005	<0.005	<0.005
STYRENE	MG/L	<0.005	<0.005	<0.005	<0.005
TOLUENE	MG/L	0.005	<0.005	<0.005	<0.005
TOTAL XYLENES	MG/L	<0.005	<0.005	<0.005	<0.005
OTHER VOLATILE ORGANICS					
CHLOROMETHANE	MG/L	<0.010	<0.010	<0.010	<0.010
BROMOMETHANE	MG/L	<0.010	<0.010	<0.010	<0.010
VINYL CHLORIDE	MG/L	<0.010	<0.010	<0.010	<0.010
CHLOROETHANE	MG/L	<0.010	<0.010	<0.010	<0.010
METHYLENE CHLORIDE	MG/L	<0.005	0.012	0.013	0.007
ACETONE	MG/L	0.010	0.062	0.048	<0.010
CARBON DISULFIDE	MG/L	<0.005	<0.005	<0.005	<0.005
1,1-DICHLOROETHENE	MG/L	<0.005	<0.005	<0.005	<0.005
1,1-DICHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005
TRANS-1,2-DICHLOROETHENE	MG/L	<0.005	<0.005	<0.005	<0.005
CHLOROFORM	MG/L	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005
2-BUTANONE	MG/L	<0.010	<0.010	<0.010	<0.010
1,1,1-TRICHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005
CARBON TETRACHLORIDE	MG/L	<0.005	<0.005	<0.005	<0.005
VINYL ACETATE	MG/L	<0.010	<0.010	<0.010	<0.010
BROMODICHLOROMETHANE	MG/L	<0.005	<0.005	<0.005	<0.005
1,2-DICHLOROPROPANE	MG/L	<0.005	<0.005	<0.005	<0.005
TRANS-1,3-DICHLCROPROPENE	MG/L	<0.005	<0.005	<0.005	<0.005
TRICHLOROETHENE	MG/L	<0.005	<0.005	<0.005	<0.005
DIBROMOCHLOROMETHANE	MG/L	<0.005	<0.005	<0.005	<0.005
1,1,2-TRICHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005
CIS-1,3-DICHLOROPROPENE	MG/L	<0.005	<0.005	<0.005	<0.005
2-CHLOROETHYL VINYL ETHER	MG/L	<0.010	<0.010	<0.010	<0.010
BROMOFORM	MG/L	<0.005	<0.005	<0.005	<0.005
2-HEXANONE	MG/L	<0.010	<0.010	<0.010	<0.010
4-METHYL-2-PENTANONE	MG/L	<0.010	<0.010	<0.010	<0.010
TETRACHLOROETHENE	MG/L	<0.005	<0.005	<0.005	<0.005
1,1,2,2-TETRACHLOROETHANE	MG/L	<0.005	<0.005	<0.005	<0.005

TABLE F-4
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	SR-1	SR-1	SR-1	SR-1	SR-1
	DATE	9/26/86	12/9/86	12/9/86	6/10/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB	DUPLICATE
	UNITS					
POLYNUCLEAR AROMATIC HYDROCARBONS						
ACENAPHTHENE	MG/L	0.0012	<0.010	<0.010	<0.010	<0.010
ACENAPHTHYLENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
ANTHRACENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
BENZO (A) ANTHRACENE	MG/L	<0.0004	<0.010	<0.010	<0.010	<0.010
BENZO (A) PYRENE	MG/L	0.0003	<0.010	<0.010	<0.010	<0.010
BENZO (B) FLUORANTHENE	MG/L	<0.002	<0.010	<0.010	<0.010	<0.010
BENZO (K) FLUORANTHENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
BENZO (GHI) PERYLENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
CHRYSENE	MG/L	<0.0004	<0.010	<0.010	<0.010	<0.010
DIBENZO (A,H) ANTHRACENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
FLUORANTHENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
FLUORENE	MG/L	0.0021	<0.010	<0.010	<0.010	<0.010
INDENO (1,2,3-CD) PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
NAPHTHALENE	MG/L	0.0085	<0.010	<0.010	<0.010	<0.010
PHENANTHRENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
PYRENE	MG/L	<0.0003	<0.010	<0.010	<0.010	<0.010
OTHER BASE/NEUTRAL EXTRACTABLES						
BENZIDINE	MG/L	NA	<0.080	<0.080	<0.080	<0.080
1,2,4-TRICHLOROBENZENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
HEXACHLOROBENZENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
HEXACHLOROETHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROETHYL) ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
2-CHLORONAPHTHALENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
1,2-DICHLOROBENZENE	MG/L	0.002	<0.010	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	0.002	<0.010	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	0.016	<0.010	<0.010	<0.010	<0.010
3,3-DICHLOROBENZIDINE	MG/L	NA	<0.010	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE F-4
(CONTINUED)
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	SR-1	SR-1	SR-1	SR-1	SR-1
	DATE	9/26/86	12/9/86	12/9/86	6/10/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB	DUPLICATE
	UNITS					
BASE/NEUTRAL EXTRACTABLES (CONTINUED)						
2,4-DINITROTOLUENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
2,6-DINITROTOLUENE	MG/L	NA	<0.010	<0.010	0.050	<0.010
1,2-DIPHENYLHYDRAZINE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
4-CHLOROPHENYL PHENYL ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
4-BROMOPHENYL PHENYL ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROETHOXY) METHANE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
HEXACHLOROBUTADIENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
HEXACHLOROCYCLOPENTADIENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
ISOPHORONE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
NITROBENZENE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
n-NITROSODIMETHYLAMINE	MG/L	NA	<0.010	<0.010	0.058	0.058
n-NITROSODIPHENYLAMINE a	MG/L	NA	<0.010	<0.010	<0.010	<0.010
n-NITROSODI-n-PROPYLAMINE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	NA	0.012	<0.010	0.010	<0.010
BUTYL BENZYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
DI-n-BUTYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
DI-n-OCTYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
DIETHYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010
DIMETHYL PHTHALATE	MG/L	NA	<0.010	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE F-5
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	SR-2	SR-2	SR-2	SR-2	SR-2
	DATE	9/25/86	9/25/86	12/9/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
	UNITS					
POLYNUCLEAR AROMATIC HYDROCARBONS						
ACENAPHTHENE	MG/L	0.0007	<0.0003	<0.010	<0.010	<0.050
ACENAPHTHYLENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.050
ANTHRACENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.050
BENZO (A) ANTHRACENE	MG/L	<0.0004	<0.0004	<0.010	<0.010	<0.050
BENZO (A) PYRENE	MG/L	0.0021	0.0007	<0.010	<0.010	<0.050
BENZO (B) FLUORANTHENE	MG/L	<0.002	<0.002	<0.010	<0.010	<0.050
BENZO (K) FLUORANTHENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.050
BENZO (GHI) PERYLENE	MG/L	0.0001	<0.0003	<0.010	<0.010	<0.050
CHRYSENE	MG/L	<0.0004	<0.0004	<0.010	<0.010	<0.050
DIBENZO (A,H) ANTHRACENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.050
FLUORANTHENE	MG/L	0.0034	0.0015	<0.010	<0.010	<0.050
FLUORENE	MG/L	0.0038	0.0013	<0.010	<0.010	<0.050
INDENO (1,2,3-CD) PYRENE	MG/L	<0.0003	<0.0003	<0.010	<0.010	<0.050
NAPHTHALENE	MG/L	0.0217	0.0186	<0.010	<0.010	0.066
PHENANTHRENE	MG/L	0.0008	0.0009	<0.010	<0.010	<0.050
PYRENE	MG/L	0.0012	<0.0003	<0.010	<0.010	<0.050
OTHER BASE/NEUTRAL EXTRACTABLES						
BENZIDINE	MG/L	NA	NA	<0.080	<0.080	<0.400
1,2,4-TRICHLOROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.050
HEXACHLOROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.050
HEXACHLOROETHANE	MG/L	NA	NA	<0.010	<0.010	<0.050
BIS (2-CHLOROETHYL) ETHER	MG/L	NA	NA	<0.010	<0.010	<0.050
2-CHLORONAPHTHALENE	MG/L	NA	NA	<0.010	<0.010	<0.050
1,2-DICHLOROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.050
1,3-DICHLOROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.050
1,4-DICHLOROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.050
3,3-DICHLOROBENZIDINE	MG/L	NA	NA	<0.010	<0.010	<0.050

NA = NOT ANALYZED

TABLE F-5
(CONTINUED)
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	SR-2	SR-2	SR-2	SR-2	SR-2
	DATE	9/25/86	9/25/86	12/9/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
	UNITS					
BASE/NEUTRAL EXTRACTABLES (CONTINUED)						
2,4-DINITROTOLUENE	MG/L	NA	NA	<0.010	<0.010	<0.050
2,6-DINITROTOLUENE	MG/L	NA	NA	<0.010	<0.010	<0.050
1,2-DIPHENYLHYDRAZINE	MG/L	NA	NA	<0.010	<0.010	<0.050
4-CHLOROPHENYL PHENYL ETHER	MG/L	NA	NA	<0.010	<0.010	<0.050
4-BROMOPHENYL PHENYL ETHER	MG/L	NA	NA	<0.010	<0.010	<0.050
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	NA	NA	<0.010	<0.010	<0.050
BIS (2-CHLOROETHOXY) METHANE	MG/L	NA	NA	<0.010	<0.010	<0.050
HEXACHLOROBUTADIENE	MG/L	NA	NA	<0 010	<0 010	<0.050
HEXACHLOROCYCLOPENTADIENE	MG/L	NA	NA	<0.010	<0.010	<0.050
ISOPHORONE	MG/L	NA	NA	<0.010	<0.010	<0.050
NITROBENZENE	MG/L	NA	NA	<0.010	<0.010	<0.050
n-NITROSODIMETHYLAMINE	MG/L	NA	NA	<0.010	<0.010	<0.050
n-NITROSODIPHENYLAMINE a	MG/L	NA	NA	<0 010	<0.010	<0.050
n-NITROSODI-n-PROPYLAMINE	MG/L	NA	NA	<0.010	<0.010	<0.050
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	NA	NA	<0.010	<0.010	0.107
BUTYL BENZYL PHTHALATE	MG/L	NA	NA	0.016	<0.010	<0.050
DI-n-BUTYL PHTHALATE	MG/L	NA	NA	<0 010	<0.010	<0.050
DI-n-OCTYL PHTHALATE	MG/L	NA	NA	<0.010	<0 010	<0.050
DIETHYL PHTHALATE	MG/L	NA	NA	<0.010	<0.010	<0 050
DIMETHYL PHTHALATE	MG/L	NA	NA	<0.010	<0 010	<0.050

NA = NOT ANALYZED

TABLE F-6
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	SR-3	SR-3	SR-3	SR-3
	DATE	12/9/86	3/17/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB
	UNITS				
POLYNUCLEAR AROMATIC HYDROCARBONS					
ACENAPHTHENE	MG/L	<0.010	<0.010	<0.010	<0.010
ACENAPHTHYLENE	MG/L	<0.010	<0.010	<0.010	<0.010
ANTHRACENE	MG/L	<0.010	<0.010	<0.010	<0.010
BENZO (A) ANTHRACENE	MG/L	<0.010	<0.010	<0 010	<0.010
BENZO (A) PYRENE	MG/L	<0.010	<0.010	<0 010	<0.010
BENZO (B) FLUORANTHENE	MG/L	<0.010	<0 010	<0.010	<0 010
BENZO (K) FLUORANTHENE	MG/L	<0.010	<0.010	<0 010	<0 010
BENZO (GHI) PERYLENE	MG/L	<0.010	<0.010	<0 010	<0 010
CHRYSENE	MG/L	<0.010	<0 010	<0 010	<0 010
DIBENZO (A,H) ANTHRACENE	MG/L	<0.010	<0.010	<0.010	<0 010
FLUORANTHENE	MG/L	<0.010	<0 010	<0.010	<0.010
FLUORENE	MG/L	<0.010	<0.010	<0.010	<0.010
INDENO (1,2,3-CD) PYRENE	MG/L	<0.010	<0 010	<0 010	<0.010
NAPHTHALENE	MG/L	<0.010	<0.010	<0 010	<0.010
PHENANTHRENE	MG/L	<0.010	<0.010	<0.010	<0.010
PYRENE	MG/L	<0.010	<0.010	<0.010	<0.010
OTHER BASE/NEUTRAL EXTRACTABLES					
BENZIDINE	MG/L	<0.080	<0.080	<0 080	<0 080
1,2,4-TRICHLOROBENZENE	MG/L	<0.010	<0.010	<0.010	<0.010
HEXACHLOROBENZENE	MG/L	<0.010	<0.010	<0 010	<0.010
HEXACHLOROETHANE	MG/L	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROETHYL) ETHER	MG/L	<0.010	<0.010	<0.010	<0.010
2-CHLORONAPHTHALENE	MG/L	<0.010	<0.010	<0.010	<0.010
1,2-DICHLOROBENZENE	MG/L	<0.010	<0.010	<0.010	<0.010
1,3-DICHLOROBENZENE	MG/L	<0.010	<0.010	<0.010	<0.010
1,4-DICHLOROBENZENE	MG/L	<0.010	<0.010	<0.010	<0.010
3,3-DICHLOROBENZIDINE	MG/L	<0.010	<0.010	<0.010	<0.010

TABLE F-6
(CONTINUED)
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
SEMI VOLATILES

	SAMPLE ID	SR-3	SR-3	SR-3	SR-3
	DATE	12/9/86	3/17/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB
	UNITS				
BASE/NEUTRAL EXTRACTABLES (CONTINUED)					
2,4-DINITROTOLUENE	MG/L	<0.010	<0.010	<0.010	<0.010
2,6-DINITROTOLUENE	MG/L	<0.010	0.014	<0.010	<0.010
1,2-DIPHENYLHYDRAZINE	MG/L	<0.010	<0.010	<0.010	<0.010
4-CHLOROPHENYL PHENYL ETHER	MG/L	<0.010	<0.010	<0.010	<0.010
4-BROMOPHENYL PHENYL ETHER	MG/L	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROISOPROPYL) ETHER	MG/L	<0.010	<0.010	<0.010	<0.010
BIS (2-CHLOROETHOXY) METHANE	MG/L	<0.010	<0.010	<0.010	<0.010
HEXACHLOROBUTADIENE	MG/L	<0.010	<0.010	<0.010	<0.010
HEXACHLOROCYCLOPENTADIENE	MG/L	<0.010	<0.010	<0.010	<0.010
ISOPHORONE	MG/L	<0.010	<0.010	<0.010	<0.010
NITROBENZENE	MG/L	<0.010	<0.010	<0.010	<0.010
n-NITROSODIMETHYLAMINE	MG/L	<0.010	0.034	<0.010	0.032
n-NITROSODIPHENYLAMINE a	MG/L	<0.010	<0.010	<0.010	<0.010
n-NITROSODI-n-PROPYLAMINE	MG/L	<0.010	<0.010	<0.010	<0.010
BIS (2-ETHYLHEXYL) PHTHALATE	MG/L	<0.010	0.014	<0.010	0.018
BUTYL BENZYL PHTHALATE	MG/L	<0.010	<0.010	<0.010	<0.010
DI-n-BUTYL PHTHALATE	MG/L	<0.010	<0.010	<0.010	<0.010
DI-n-OCTYL PHTHALATE	MG/L	0.021	<0.010	<0.010	<0.010
DIETHYL PHTHALATE	MG/L	<0.010	<0.010	<0.010	<0.010
DIMETHYL PHTHALATE	MG/L	<0.010	<0.010	<0.010	<0.010

NA = NOT ANALYZED

TABLE F-7
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	SR-1	SR-1	SR-1	SR-1	SR-1
	DATE	9/26/86	12/9/86	12/9/86	6/10/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB	DUPLICATE
	UNITS					
NON-CHLORINATED PHENOLS						
2,4-DIMETHYLPHENOL	MG/L	<0.004	<0.010	<0.010	<0.010	<0.010
2,4-DINITROPHENOL	MG/L	<40.0	<0.010	<0.010	<0.010	<0.010
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.003	<0.050	<0.050	<0.050	<0.050
2-NITROPHENOL	MG/L	<0.004	<0.050	<0.050	<0.050	<0.050
4-NITROPHENOL	MG/L	<0.007	<0.050	<0.050	<0.050	<0.050
PHENOL	MG/L	<0.007	<0.010	<0.010	<0.010	<0.010
OTHER ACID EXTRACTABLES						
2,4,6-TRICHLOROPHENOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
p-CHLORO-m-CRESOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
2-CHLOROPHENOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
2,4-DICHLOROPHENOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
4,6-DINITRO-o-CRESOL	MG/L	NA	<0.050	<0.050	<0.050	<0.050
INORGANIC COMPOUNDS						
IRON, TOTAL	MG/L	0.56	1.0	1.1	4.94	4.19
ZINC, TOTAL	MG/L	0.071	0.088	0.082	0.47	0.50
ARSENIC, TOTAL	MG/L	NA	0.001	0.002	<0.005	<0.005
CADMIUM, TOTAL	MG/L	NA	<0.001	<0.001	0.002	0.002
CHROMIUM, TOTAL	MG/L	NA	<0.005	<0.005	<0.01	<0.01
LEAD, TOTAL	MG/L	NA	0.004	0.006	0.34	0.30
CYANIDE, TOTAL	MG/L	<0.007	0.02	0.01	<0.01	0.02
SULFATE	MG/L	45.3	39.9	34.0	31.0	28.2
GENERAL ORGANIC PARAMETERS						
TOTAL ORGANIC CARBON	MG/L	15.0	9.0	14.0	11.0	11.0
ORGANIC NITROGEN	MG/L	0.388	0.2	0.3	0.51	0.63

TABLE F-8
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	SR-2	SR-2	SR-2	SR-2	SR-2
	DATE	9/25/86	9/25/86	12/9/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	DUPLICATE	GRAB	GRAB	GRAB
	UNITS					
NON-CHLORINATED PHENOLS						
2,4-DIMETHYLPHENOL	MG/L	<0.004	<0.004	<0.010	<0.010	<0.050
2,4-DINITROPHENOL	MG/L	<40.0	<40.0	<0.010	<0.010	<0.250
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.003	<0.003	<0.050	<0.050	<0.250
2-NITROPHENOL	MG/L	<0.004	<0.004	<0.050	<0.050	<0.250
4-NITROPHENOL	MG/L	<0.007	<0.007	<0.050	<0.050	<0.250
PHENOL	MG/L	<0.007	<0.007	<0.010	<0.010	<0.250
OTHER ACID EXTRACTABLES						
2,4,6-TRICHLOROPHENOL	MG/L	NA	NA	<0.050	<0.050	<0.250
p-CHLORO-m-CRESOL	MG/L	NA	NA	<0.050	<0.050	<0.250
2-CHLOROPHENOL	MG/L	NA	NA	<0.010	<0.010	<0.050
2,4-DICHLOROPHENOL	MG/L	NA	NA	<0.050	<0.050	<0.250
4,6-DINITRO-o-CRESOL	MG/L	NA	NA	<0.050	<0.050	<0.250
INORGANIC COMPOUNDS						
IRON, TOTAL	MG/L	2.64	5.52	25.0	0.19	0.07
ZINC, TOTAL	MG/L	0.153	0.506	1.1	0.32	0.22
ARSENIC, TOTAL	MG/L	NA	NA	0.02	<0.005	<0.005
CADMIUM, TOTAL	MG/L	NA	NA	0.007	0.016	<0.001
CHROMIUM, TOTAL	MG/L	NA	NA	0.029	<0.01	<0.01
LEAD, TOTAL	MG/L	NA	NA	0.20	0.01	<0.01
CYANIDE, TOTAL	MG/L	<0.007	<0.007	<0.01	<0.01	0.06
SULFATE	MG/L	28.7	33.1	30.5	60.5	33.4
GENERAL ORGANIC PARAMETERS						
TOTAL ORGANIC CARBON	MG/L	41.0	43.0	110.0	30.9	14.0
ORGANIC NITROGEN	MG/L	1.60	1.68	0.8	2.3	2.15

TABLE F-9
DANSVILLE SEWER WATER SAMPLES
COMPARATIVE SUMMARY OF RESULTS
NON CHLORINATED PHENOLS AND
INORGANIC AND GENERAL ORGANIC PARAMETERS

	SAMPLE ID	SR-3	SR-3	SR-3	SR-3
	DATE	12/9/86	3/17/87	3/17/87	6/10/87
	SAMPLE TYPE	GRAB	GRAB	DUPLICATE	GRAB
	UNITS				
NON-CHLORINATED PHENOLS					
2,4-DIMETHYLPHENOL	MG/L	<0.010	<0.010	<0.010	<0.010
2,4-DINITROPHENOL	MG/L	<0.010	<0.010	<0.010	<0.010
2-METHYL-4,6-DINITROPHENOL	MG/L	<0.050	<0.050	<0.050	<0.050
2-NITROPHENOL	MG/L	<0.050	<0.050	<0.050	<0.050
4-NITROPHENOL	MG/L	<0.050	<0.050	<0.050	<0.050
PHENOL	MG/L	<0.010	<0.010	<0.010	<0.010
OTHER ACID EXTRACTABLES					
2,4,6-TRICHLOROPHENOL	MG/L	<0.050	<0.050	<0.050	<0.050
p-CHLORO-m-CRESOL	MG/L	<0.050	<0.050	<0.050	<0.050
2-CHLOROPHENOL	MG/L	<0.010	<0.010	<0.010	<0.010
2,4-DICHLOROPHENOL	MG/L	<0.050	<0.050	<0.050	<0.050
4,6-DINITRO-o-CRESOL	MG/L	<0.050	<0.050	<0.050	<0.050
INORGANIC COMPOUNDS					
IRON, TOTAL	MG/L	3.6	0.08	0.06	10.1
ZINC, TOTAL	MG/L	0.24	0.89	0.96	0.80
ARSENIC, TOTAL	MG/L	0.002	<0.005	<0.005	<0.005
CADMIUM, TOTAL	MG/L	<0.001	<0.001	<0.001	0.003
CHROMIUM, TOTAL	MG/L	0.008	<0.01	<0.01	<0.01
LEAD, TOTAL	MG/L	0.06	0.01	<0.01	0.42
CYANIDE, TOTAL	MG/L	0.02	<0.01	0.01	0.14
SULFATE	MG/L	36.8	56.9	57.1	24.1
GENERAL ORGANIC PARAMETERS					
TOTAL ORGANIC CARBON	MG/L	25.0	8.9	10.8	7.5
ORGANIC NITROGEN	MG/L	0.1	3.6	2.2	0.84

APPENDIX G

ANALYTICAL RESULTS - STREAM WATER

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 624/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSUSS8701

Laboratory ID: 6279-09

Matrix: Water Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 12/30/87

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/L	5
Bromomethane	ND	µg/L	5
Vinyl chloride	ND	µg/L	5
Chloroethane	ND	µg/L	5
Methylene chloride	ND	µg/L	5
Acetone	ND	µg/L	50
Carbon disulfide	ND	µg/L	2
1,1-Dichloroethene	ND	µg/L	2
1,1-Dichloroethane	ND	µg/L	2
trans-1,2-Dichloroethene	ND	µg/L	2
Chloroform	ND	µg/L	2
1,2-Dichloroethane	ND	µg/L	2
2-Butanone	ND	µg/L	10
1,1,1-Trichloroethane	ND	µg/L	2
Carbon tetrachloride	ND	µg/L	2
Vinyl acetate	ND	µg/L	10
Bromodichloromethane	ND	µg/L	2
1,2-Dichloropropane	ND	µg/L	2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	µg/L	2
Dibromochloromethane	ND	µg/L	2
1,1,2-Trichloroethane	ND	µg/L	2
Benzene	ND	µg/L	2
cis-1,3-Dichloropropene	ND	µg/L	2
2-Chloroethyl vinyl ether	ND	µg/L	10
Bromoform	ND	µg/L	2
4-Methyl-2-pentanone	ND	µg/L	10
2-Hexanone	ND	µg/L	10
1,1,2,2-Tetrachloroethane	ND	µg/L	2
Tetrachloroethene	ND	µg/L	2
Toluene	ND	µg/L	2
Chlorobenzene	ND	µg/L	2
Ethyl benzene	ND	µg/L	2
Styrene	ND	µg/L	2
Total xylenes	ND	µg/L	2

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 624/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSUSS8702

Laboratory ID: 6279-01

Matrix: Water Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 12/30/87

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/L	5
Bromomethane	ND	µg/L	5
Vinyl chloride	ND	µg/L	5
Chloroethane	ND	µg/L	5
Methylene chloride	ND	µg/L	5
Acetone	ND	µg/L	50
Carbon disulfide	ND	µg/L	2
1,1-Dichloroethene	ND	µg/L	2
1,1-Dichloroethane	ND	µg/L	2
trans-1,2-Dichloroethene	ND	µg/L	2
Chloroform	ND	µg/L	2
1,2-Dichloroethane	ND	µg/L	2
2-Butanone	ND	µg/L	10
1,1,1-Trichloroethane	ND	µg/L	2
Carbon tetrachloride	ND	µg/L	2
Vinyl acetate	ND	µg/L	10
Bromodichloromethane	ND	µg/L	2
1,2-Dichloropropane	ND	µg/L	2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	µg/L	2
Dibromochloromethane	ND	µg/L	2
1,1,2-Trichloroethane	ND	µg/L	2
Benzene	ND	µg/L	2
cis-1,3-Dichloropropene	ND	µg/L	2
2-Chloroethyl vinyl ether	ND	µg/L	10
Bromoform	ND	µg/L	2
4-Methyl-2-pentanone	ND	µg/L	10
2-Hexanone	ND	µg/L	10
1,1,2,2-Tetrachloroethane	ND	µg/L	2
Tetrachloroethene	ND	µg/L	2
Toluene	ND	µg/L	2
Chlorobenzene	ND	µg/L	2
Ethyl benzene	ND	µg/L	2
Styrene	ND	µg/L	2
Total xylenes	ND	µg/L	2

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 624/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSDSS8703

Laboratory ID: 6279-03

Matrix: Water Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 12/30/87

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/L	5
Bromomethane	ND	µg/L	5
Vinyl chloride	ND	µg/L	5
Chloroethane	ND	µg/L	5
Methylene chloride	ND	µg/L	5
Acetone	ND	µg/L	50
Carbon disulfide	ND	µg/L	2
1,1-Dichloroethene	ND	µg/L	2
1,1-Dichloroethane	ND	µg/L	2
trans-1,2-Dichloroethene	ND	µg/L	2
Chloroform	ND	µg/L	2
1,2-Dichloroethane	ND	µg/L	2
2-Butanone	ND	µg/L	10
1,1,1-Trichloroethane	ND	µg/L	2
Carbon tetrachloride	ND	µg/L	2
Vinyl acetate	ND	µg/L	10
Bromodichloromethane	ND	µg/L	2
1,2-Dichloropropane	ND	µg/L	2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	µg/L	2
Dibromochloromethane	ND	µg/L	2
1,1,2-Trichloroethane	ND	µg/L	2
Benzene	ND	µg/L	2
cis-1,3-Dichloropropene	ND	µg/L	2
2-Chloroethyl vinyl ether	ND	µg/L	10
Bromoform	ND	µg/L	2
4-Methyl-2-pentanone	ND	µg/L	10
2-Hexanone	ND	µg/L	10
1,1,2,2-Tetrachloroethane	ND	µg/L	2
Tetrachloroethene	ND	µg/L	2
Toluene	ND	µg/L	2
Chlorobenzene	ND	µg/L	2
Ethyl benzene	ND	µg/L	2
Styrene	ND	µg/L	2
Total xylenes	ND	µg/L	2

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 624/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSDSS8704

Laboratory ID: 6279-05

Matrix: Water Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/31/87 Analyzed: 12/31/87

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/L	5
Bromomethane	ND	µg/L	5
Vinyl chloride	ND	µg/L	5
Chloroethane	ND	µg/L	5
Methylene chloride	ND	µg/L	5
Acetone	100	µg/L	50
Carbon disulfide	ND	µg/L	2
1,1-Dichloroethene	ND	µg/L	2
1,1-Dichloroethane	ND	µg/L	2
trans-1,2-Dichloroethene	ND	µg/L	2
Chloroform	ND	µg/L	2
1,2-Dichloroethane	ND	µg/L	2
2-Butanone	ND	µg/L	10
1,1,1-Trichloroethane	ND	µg/L	2
Carbon tetrachloride	ND	µg/L	2
Vinyl acetate	ND	µg/L	10
Bromodichloromethane	ND	µg/L	2
1,2-Dichloropropane	ND	µg/L	2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	µg/L	2
Dibromochloromethane	ND	µg/L	2
1,1,2-Trichloroethane	ND	µg/L	2
Benzene	ND	µg/L	2
cis-1,3-Dichloropropene	ND	µg/L	2
2-Chloroethyl vinyl ether	ND	µg/L	10
Bromoform	ND	µg/L	2
4-Methyl-2-pentanone	ND	µg/L	10
2-Hexanone	ND	µg/L	10
1,1,2,2-Tetrachloroethane	ND	µg/L	2
Tetrachloroethene	ND	µg/L	2
Toluene	ND	µg/L	2
Chlorobenzene	ND	µg/L	2
Ethyl benzene	ND	µg/L	2
Styrene	ND	µg/L	2
Total xylenes	ND	µg/L	2

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 624/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSDSS8705 Duplicate of DNSDSS8703

Laboratory ID: 6279-07

Matrix: Water Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 12/30/87

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/L	5
Bromomethane	ND	µg/L	5
Vinyl chloride	ND	µg/L	5
Chloroethane	ND	µg/L	5
Methylene chloride	ND	µg/L	5
Acetone	ND	µg/L	50
Carbon disulfide	ND	µg/L	2
1,1-Dichloroethene	ND	µg/L	2
1,1-Dichloroethane	ND	µg/L	2
trans-1,2-Dichloroethene	ND	µg/L	2
Chloroform	ND	µg/L	2
1,2-Dichloroethane	ND	µg/L	2
2-Butanone	ND	µg/L	10
1,1,1-Trichloroethane	ND	µg/L	2
Carbon tetrachloride	ND	µg/L	2
Vinyl acetate	ND	µg/L	10
Bromodichloromethane	ND	µg/L	2
1,2-Dichloropropane	ND	µg/L	2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	µg/L	2
Dibromochloromethane	ND	µg/L	2
1,1,2-Trichloroethane	ND	µg/L	2
Benzene	ND	µg/L	2
cis-1,3-Dichloropropene	ND	µg/L	2
2-Chloroethyl vinyl ether	ND	µg/L	10
Bromoform	ND	µg/L	2
4-Methyl-2-pentanone	ND	µg/L	10
2-Hexanone	ND	µg/L	10
1,1,2,2-Tetrachloroethane	ND	µg/L	2
Tetrachloroethene	ND	µg/L	2
Toluene	ND	µg/L	2
Chlorobenzene	ND	µg/L	2
Ethyl benzene	ND	µg/L	2
Styrene	ND	µg/L	2
Total xylenes	ND	µg/L	2

ND = Not detected..

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 624/HSL List

Client Name: New York State Electric and Gas

Client ID: DNTXXX87FB

Laboratory ID: 6279-11

Matrix: Water Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 12/30/87

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/L	5
Bromomethane	ND	µg/L	5
Vinyl chloride	ND	µg/L	5
Chloroethane	ND	µg/L	5
Methylene chloride	ND	µg/L	10
Acetone	82	µg/L	50
Carbon disulfide	ND	µg/L	2
1,1-Dichloroethene	ND	µg/L	2
1,1-Dichloroethane	ND	µg/L	2
trans-1,2-Dichloroethene	ND	µg/L	2
Chloroform	ND	µg/L	2
1,2-Dichloroethane	ND	µg/L	2
2-Butanone	ND	µg/L	10
1,1,1-Trichloroethane	ND	µg/L	2
Carbon tetrachloride	ND	µg/L	2
Vinyl acetate	ND	µg/L	10
Bromodichloromethane	ND	µg/L	2
1,2-Dichloropropane	ND	µg/L	2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	µg/L	2
Dibromochloromethane	ND	µg/L	2
1,1,2-Trichloroethane	ND	µg/L	2
Benzene	ND	µg/L	2
cis-1,3-Dichloropropene	ND	µg/L	2
2-Chloroethyl vinyl ether	ND	µg/L	10
Bromoform	ND	µg/L	2
4-Methyl-2-pentanone	ND	µg/L	10
2-Hexanone	ND	µg/L	10
1,1,2,2-Tetrachloroethane	ND	µg/L	2
Tetrachloroethene	ND	µg/L	2
Toluene	ND	µg/L	2
Chlorobenzene	ND	µg/L	2
Ethyl benzene	ND	µg/L	2
Styrene	ND	µg/L	2
Total xylenes	ND	µg/L	2

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 625/HSL List

Client Name: New York State Electric and Gas
Client ID: DNSUSS8701
Laboratory ID: 6279-09
Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/28/88

Parameter	Result	Units	Reporting Limit
Phenol	ND	µg/L	20
bis(2-Chloroethyl)ether	ND	µg/L	20
2-Chlorophenol	ND	µg/L	20
1,3-Dichlorobenzene	ND	µg/L	20
1,4-Dichlorobenzene	ND	µg/L	20
Benzyl alcohol	ND	µg/L	20
1,2-Dichlorobenzene	ND	µg/L	20
2-Methylphenol	ND	µg/L	20
bis(2-Chloroisopropyl)ether	ND	µg/L	20
4-Methylphenol	ND	µg/L	20
N-Nitroso-di-n-propylamine	ND	µg/L	20
Hexachloroethane	ND	µg/L	20
Nitrobenzene	ND	µg/L	20
Isophorone	ND	µg/L	20
2-Nitrophenol	ND	µg/L	20
2,4-Dimethylphenol	ND	µg/L	20
Benzoic acid	ND	µg/L	100
bis(2-Chloroethoxy)methane	ND	µg/L	20
2,4-Dichlorophenol	ND	µg/L	20
1,2,4-Trichlorobenzene	ND	µg/L	20
Naphthalene	ND	µg/L	20
4-Chloroaniline	ND	µg/L	20
Hexachlorobutadiene	ND	µg/L	20
4-Chloro-3-methylphenol	ND	µg/L	20
2-Methylnaphthalene	ND	µg/L	20
Hexachlorocyclopentadiene	ND	µg/L	20
2,4,6-Trichlorophenol	ND	µg/L	20
2,4,5-Trichlorophenol	ND	µg/L	100
2-Chloronaphthalene	ND	µg/L	20
2-Nitroaniline	ND	µg/L	100
Dimethyl phthalate	ND	µg/L	20
Acenaphthylene	ND	µg/L	20
3-Nitroaniline	ND	µg/L	100
Acenaphthene	ND	µg/L	20

(continued on following page)

ND = Not detected.

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS (CONT.)

EPA Method 625/HSL List

Client Name: New York State Electric and Gas
Client ID: DNSUSS8701
Laboratory ID: 6279-09
Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/28/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/L	100
4-Nitrophenol	ND	µg/L	100
Dibenzofuran	ND	µg/L	20
2,4-Dinitrotoluene	ND	µg/L	20
2,6-Dinitrotoluene	ND	µg/L	20
Diethyl phthalate	ND	µg/L	20
4-Chlorophenyl phenyl ether	ND	µg/L	20
Fluorene	ND	µg/L	20
4-Nitroaniline	ND	µg/L	100
4,6-Dinitro-2-methylphenol	ND	µg/L	100
N-Nitrosodiphenylamine	ND	µg/L	20
4-Bromophenyl phenyl ether	ND	µg/L	20
Hexachlorobenzene	ND	µg/L	20
Pentachlorophenol	ND	µg/L	100
Phenanthrene	ND	µg/L	20
Anthracene	ND	µg/L	20
Di-n-butyl phthalate	ND	µg/L	20
Fluoranthene	ND	µg/L	20
Pyrene	ND	µg/L	20
Butyl benzyl phthalate	ND	µg/L	20
3,3'-Dichlorobenzidine	ND	µg/L	40
Benzo(a)anthracene	ND	µg/L	20
bis(2-Ethylhexyl)phthalate	ND	µg/L	20
Chrysene	ND	µg/L	20
Di-n-octyl phthalate	ND	µg/L	20
Benzo(b)fluoranthene	ND	µg/L	20
Benzo(k)fluoranthene	ND	µg/L	20
Benzo(a)pyrene	ND	µg/L	20
Indeno(1,2,3-c,d)pyrene	ND	µg/L	20
Dibenzo(a,h)anthracene	ND	µg/L	20
Benzo(g,h,i)perylene	ND	µg/L	20

ND = Not detected.

Reported by NCS Approved by LC

The bottle containing the stream water sample from Station 2 for semi volatile analysis was broken and no analysis was made.

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 625/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSDSS8703

Laboratory ID: 6279-03

Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/13/88

Parameter	Result	Units	Reporting Limit
Phenol	ND	µg/L	20
bis(2-Chloroethyl)ether	ND	µg/L	20
2-Chlorophenol	ND	µg/L	20
1,3-Dichlorobenzene	ND	µg/L	20
1,4-Dichlorobenzene	ND	µg/L	20
Benzyl alcohol	ND	µg/L	20
1,2-Dichlorobenzene	ND	µg/L	20
2-Methylphenol	ND	µg/L	20
bis(2-Chloroisopropyl)ether	ND	µg/L	20
4-Methylphenol	ND	µg/L	20
N-Nitroso-di-n-propylamine	ND	µg/L	20
Hexachloroethane	ND	µg/L	20
Nitrobenzene	ND	µg/L	20
Isophorone	ND	µg/L	20
2-Nitrophenol	ND	µg/L	20
2,4-Dimethylphenol	ND	µg/L	20
Benzoic acid	ND	µg/L	100
bis(2-Chloroethoxy)methane	ND	µg/L	20
2,4-Dichlorophenol	ND	µg/L	20
1,2,4-Trichlorobenzene	ND	µg/L	20
Naphthalene	ND	µg/L	20
4-Chloroaniline	ND	µg/L	20
Hexachlorobutadiene	ND	µg/L	20
4-Chloro-3-methylphenol	ND	µg/L	20
2-Methylnaphthalene	ND	µg/L	20
Hexachlorocyclopentadiene	ND	µg/L	20
2,4,6-Trichlorophenol	ND	µg/L	20
2,4,5-Trichlorophenol	ND	µg/L	100
2-Chloronaphthalene	ND	µg/L	20
2-Nitroaniline	ND	µg/L	100
Dimethyl phthalate	ND	µg/L	20
Acenaphthylene	ND	µg/L	20
3-Nitroaniline	ND	µg/L	100
Acenaphthene	ND	µg/L	20

(continued on following page)

ND = Not detected.

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS (CONT.)

EPA Method 625/HSL List

Client Name: New York State Electric and Gas
Client ID: DNSDSS8703
Laboratory ID: 6279-03
Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/13/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/L	100
4-Nitrophenol	ND	µg/L	100
Dibenzofuran	ND	µg/L	20
2,4-Dinitrotoluene	ND	µg/L	20
2,6-Dinitrotoluene	ND	µg/L	20
Diethyl phthalate	ND	µg/L	20
4-Chlorophenyl phenyl ether	ND	µg/L	20
Fluorene	ND	µg/L	20
4-Nitroaniline	ND	µg/L	100
4,6-Dinitro-2-methylphenol	ND	µg/L	100
N-Nitrosodiphenylamine	ND	µg/L	20
4-Bromophenyl phenyl ether	ND	µg/L	20
Hexachlorobenzene	ND	µg/L	20
Pentachlorophenol	ND	µg/L	100
Phenanthrene	ND	µg/L	20
Anthracene	ND	µg/L	20
Di-n-butyl phthalate	ND	µg/L	20
Fluoranthene	ND	µg/L	20
Pyrene	ND	µg/L	20
Butyl benzyl phthalate	ND	µg/L	20
3,3'-Dichlorobenzidine	ND	µg/L	40
Benzo(a)anthracene	ND	µg/L	20
bis(2-Ethylhexyl)phthalate	ND	µg/L	20
Chrysene	ND	µg/L	20
Di-n-octyl phthalate	ND	µg/L	20
Benzo(b)fluoranthene	ND	µg/L	20
Benzo(k)fluoranthene	ND	µg/L	20
Benzo(a)pyrene	ND	µg/L	20
Indeno(1,2,3-c,d)pyrene	ND	µg/L	20
Dibenzo(a,h)anthracene	ND	µg/L	20
Benzo(g,h,i)perylene	ND	µg/L	20

ND = Not detected.

Reported by PD Approved by NCK

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 625/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSDSS8704

Laboratory ID: 6279-05

Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/13/88

Parameter	Result	Units	Reporting Limit
Phenol	ND	µg/L	20
bis(2-Chloroethyl)ether	ND	µg/L	20
2-Chlorophenol	ND	µg/L	20
1,3-Dichlorobenzene	ND	µg/L	20
1,4-Dichlorobenzene	ND	µg/L	20
Benzyl alcohol	ND	µg/L	20
1,2-Dichlorobenzene	ND	µg/L	20
2-Methylphenol	ND	µg/L	20
bis(2-Chloroisopropyl)ether	ND	µg/L	20
4-Methylphenol	ND	µg/L	20
N-Nitroso-di-n-propylamine	ND	µg/L	20
Hexachloroethane	ND	µg/L	20
Nitrobenzene	ND	µg/L	20
Isophorone	ND	µg/L	20
2-Nitrophenol	ND	µg/L	20
2,4-Dimethylphenol	ND	µg/L	20
Benzoic acid	ND	µg/L	100
bis(2-Chloroethoxy)methane	ND	µg/L	20
2,4-Dichlorophenol	ND	µg/L	20
1,2,4-Trichlorobenzene	ND	µg/L	20
Naphthalene	ND	µg/L	20
4-Chloroaniline	ND	µg/L	20
Hexachlorobutadiene	ND	µg/L	20
4-Chloro-3-methylphenol	ND	µg/L	20
2-Methylnaphthalene	ND	µg/L	20
Hexachlorocyclopentadiene	ND	µg/L	20
2,4,6-Trichlorophenol	ND	µg/L	20
2,4,5-Trichlorophenol	ND	µg/L	100
2-Chloronaphthalene	ND	µg/L	20
2-Nitroaniline	ND	µg/L	100
Dimethyl phthalate	ND	µg/L	20
Acenaphthylene	ND	µg/L	20
3-Nitroaniline	ND	µg/L	100
Acenaphthene	ND	µg/L	20

(continued on following page)

ND = Not detected.

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS (CONT.)

EPA Method 625/HSL List

Client Name: New York State Electric and Gas
Client ID: DNSDSS8704
Laboratory ID: 6279-05
Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/13/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/L	100
4-Nitrophenol	ND	µg/L	100
Dibenzofuran	ND	µg/L	20
2,4-Dinitrotoluene	ND	µg/L	20
2,6-Dinitrotoluene	ND	µg/L	20
Diethyl phthalate	ND	µg/L	20
4-Chlorophenyl phenyl ether	ND	µg/L	20
Fluorene	ND	µg/L	20
4-Nitroaniline	ND	µg/L	100
4,6-Dinitro-2-methylphenol	ND	µg/L	100
N-Nitrosodiphenylamine	ND	µg/L	20
4-Bromophenyl phenyl ether	ND	µg/L	20
Hexachlorobenzene	ND	µg/L	20
Pentachlorophenol	ND	µg/L	100
Phenanthrene	ND	µg/L	20
Anthracene	ND	µg/L	20
Di-n-butyl phthalate	ND	µg/L	20
Fluoranthene	ND	µg/L	20
Pyrene	ND	µg/L	20
Butyl benzyl phthalate	ND	µg/L	20
3,3'-Dichlorobenzidine	ND	µg/L	40
Benzo(a)anthracene	ND	µg/L	20
bis(2-Ethylhexyl)phthalate	ND	µg/L	20
Chrysene	ND	µg/L	20
Di-n-octyl phthalate	ND	µg/L	20
Benzo(b)fluoranthene	ND	µg/L	20
Benzo(k)fluoranthene	ND	µg/L	20
Benzo(a)pyrene	ND	µg/L	20
Indeno(1,2,3-c,d)pyrene	ND	µg/L	20
Dibenzo(a,h)anthracene	ND	µg/L	20
Benzo(g,h,i)perylene	ND	µg/L	20

ND = Not detected.

Reported by PD Approved by NR

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 625/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSDSS8705 Duplicate of DNSDSS8703

Laboratory ID: 6279-07

Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/18/88

Parameter	Result	Units	Reporting Limit
Phenol	ND	µg/L	20
bis(2-Chloroethyl)ether	ND	µg/L	20
2-Chlorophenol	ND	µg/L	20
1,3-Dichlorobenzene	ND	µg/L	20
1,4-Dichlorobenzene	ND	µg/L	20
Benzyl alcohol	ND	µg/L	20
1,2-Dichlorobenzene	ND	µg/L	20
2-Methylphenol	ND	µg/L	20
bis(2-Chloroisopropyl)ether	ND	µg/L	20
4-Methylphenol	ND	µg/L	20
N-Nitroso-di-n-propylamine	ND	µg/L	20
Hexachloroethane	ND	µg/L	20
Nitrobenzene	ND	µg/L	20
Isophorone	ND	µg/L	20
2-Nitrophenol	ND	µg/L	20
2,4-Dimethylphenol	ND	µg/L	20
Benzoic acid	ND	µg/L	100
bis(2-Chloroethoxy)methane	ND	µg/L	20
2,4-Dichlorophenol	ND	µg/L	20
1,2,4-Trichlorobenzene	ND	µg/L	20
Naphthalene	ND	µg/L	20
4-Chloroaniline	ND	µg/L	20
Hexachlorobutadiene	ND	µg/L	20
4-Chloro-3-methylphenol	ND	µg/L	20
2-Methylnaphthalene	ND	µg/L	20
Hexachlorocyclopentadiene	ND	µg/L	20
2,4,6-Trichlorophenol	ND	µg/L	20
2,4,5-Trichlorophenol	ND	µg/L	100
2-Chloronaphthalene	ND	µg/L	20
2-Nitroaniline	ND	µg/L	100
Dimethyl phthalate	ND	µg/L	20
Acenaphthylene	ND	µg/L	20
3-Nitroaniline	ND	µg/L	100
Acenaphthene	ND	µg/L	20

(continued on following page)

ND = Not detected.

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS (CONT.)

EPA Method 625/HSL List

Client Name: New York State Electric and Gas
Client ID: DNSDSS8705 Duplicate of DNSDSS8703
Laboratory ID: 6279-07
Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/18/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/L	100
4-Nitrophenol	ND	µg/L	100
Dibenzofuran	ND	µg/L	20
2,4-Dinitrotoluene	ND	µg/L	20
2,6-Dinitrotoluene	ND	µg/L	20
Diethyl phthalate	ND	µg/L	20
4-Chlorophenyl phenyl ether	ND	µg/L	20
Fluorene	ND	µg/L	20
4-Nitroaniline	ND	µg/L	100
4,6-Dinitro-2-methylphenol	ND	µg/L	100
N-Nitrosodiphenylamine	ND	µg/L	20
4-Bromophenyl phenyl ether	ND	µg/L	20
Hexachlorobenzene	ND	µg/L	20
Pentachlorophenol	ND	µg/L	100
Phenanthrene	ND	µg/L	20
Anthracene	ND	µg/L	20
Di-n-butyl phthalate	ND	µg/L	20
Fluoranthene	ND	µg/L	20
Pyrene	ND	µg/L	20
Butyl benzyl phthalate	ND	µg/L	20
3,3'-Dichlorobenzidine	ND	µg/L	40
Benzo(a)anthracene	ND	µg/L	20
bis(2-Ethylhexyl)phthalate	ND	µg/L	20
Chrysene	ND	µg/L	20
Di-n-octyl phthalate	ND	µg/L	20
Benzo(b)fluoranthene	ND	µg/L	20
Benzo(k)fluoranthene	ND	µg/L	20
Benzo(a)pyrene	ND	µg/L	20
Indeno(1,2,3-c,d)pyrene	ND	µg/L	20
Dibenzo(a,h)anthracene	ND	µg/L	20
Benzo(g,h,i)perylene	ND	µg/L	20

ND = Not detected.

Reported by PD Approved by NCG

Enseco

METALS

Client Name: New York State Electric and Gas

Client ID: DNSUSS8701

Laboratory ID: 6279-09

Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 01/04/88

Parameter	Result	Units	Reporting Limit	Analytical Method
Arsenic	ND	mg/L	0.005	206.7
Cadmium	ND	mg/L	0.005	200.7
Chromium	ND	mg/L	0.01	200.7
Iron	0.49	mg/L	0.05	200.7
Lead	ND	mg/L	0.01	239.2
Mercury	ND	mg/L	0.0002	245.1
Zinc	ND	mg/L	0.02	200.7

ND = Not detected.

Reported by CAK Approved by LAS

Enseco

METALS

Client Name: New York State Electric and Gas

Client ID: DNSUSS8702

Laboratory ID: 6279-01

Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 01/04/88

Parameter	Result	Units	Reporting Limit	Analytical Method
Arsenic	ND	mg/L	0.005	206.7
Cadmium	ND	mg/L	0.005	200.7
Chromium	ND	mg/L	0.01	200.7
Iron	1.4	mg/L	0.05	200.7
Lead	ND	mg/L	0.01	239.2
Mercury	ND	mg/L	0.0002	245.1
Zinc	ND	mg/L	0.02	200.7

ND = Not detected.

Reported by CAK Approved by LAS

Enseco

METALS

Client Name: New York State Electric and Gas

Client ID: DNSDSS8703

Laboratory ID: 6279-03

Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 01/04/88

Parameter	Result	Units	Reporting Limit	Analytical Method
Arsenic	ND	mg/L	0.005	206.7
Cadmium	ND	mg/L	0.005	200.7
Chromium	ND	mg/L	0.01	200.7
Iron	0.42	mg/L	0.05	200.7
Lead	ND	mg/L	0.01	239.2
Mercury	ND	mg/L	0.0002	245.1
Zinc	ND	mg/L	0.02	200.7

ND = Not detected.

Reported by CAK Approved by LAS

Enseco

METALS

Client Name: New York State Electric and Gas
Client ID: DNSDSS8704
Laboratory ID: 6279-05
Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 01/04/88

Parameter	Result	Units	Reporting Limit	Analytical Method
Arsenic	ND	mg/L	0.005	206.7
Cadmium	ND	mg/L	0.005	200.7
Chromium	ND	mg/L	0.01	200.7
Iron	0.50	mg/L	0.05	200.7
Lead	ND	mg/L	0.01	239.2
Mercury	ND	mg/L	0.0002	245.1
Zinc	ND	mg/L	0.02	200.7

ND = Not detected.

Reported by CAK Approved by LAS

Enseco

METALS

Client Name: New York State Electric and Gas

Client ID: DNSDSS8705 Duplicate of DNSDSS8703

Laboratory ID: 6279-07

Matrix: Aqueous Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 01/04/88

Parameter	Result	Units	Reporting Limit	Analytical Method
Arsenic	ND	mg/L	0.005	206.7
Cadmium	ND	mg/L	0.005	200.7
Chromium	ND	mg/L	0.01	200.7
Iron	0.34	mg/L	0.05	200.7
Lead	ND	mg/L	0.01	239.2
Mercury	ND	mg/L	0.0002	245.1
Zinc	ND	mg/L	0.02	200.7

ND = Not detected.

Reported by CAL Approved by LAS

Enseco

CLIENT: New York State Electric and Gas

SAMPLE RECEIVED: 12/18/87

ANALYSIS COMPLETED: 01/11/88

RESULTS IN: mg/L (ppm)*

REPORTED BY: YLK MO JJ

CHECKED BY: PR

INORGANIC ANALYSIS

LIQUID

- Data Report -

Erco ID	Client ID	Cyanide, Total	Ammonia as Nitrogen	Organic Carbon, Total	Sulfate
6279-01	DNSUSS8702	<0.010	<0.10	1.60	24.0
6279-03	DNSDSS8703	<0.010	<0.10	1.71	23.3
6279-05	DNSDSS8704	<0.010	<0.10	1.62	25.1
6279-07	DNSDSS8705**	<0.010	<0.10	1.91	36.6
6279-09	DNSDSS8701	<0.010	<0.10	2.28	33.8
Erco Blank		<0.010	<0.10	<0.50	<5.0
Laboratory Control Spike		98%	95%	100%	103%
Laboratory Control Spike Dup.		92%	96%	100%	104%
Method Used:		335.3	350.1	415.2	375.4

If customer has any questions regarding analysis, refer to sample in question by its Erco ID#.

*Unless otherwise indicated.

**Duplicate of DNSDSS8703

Enseco

CLIENT: New York State Electric and Gas

SAMPLE RECEIVED: 12/18/87

ANALYSIS COMPLETED: 12/31/87

RESULTS IN: % Organic Carbon

REPORTED BY: Hoffman

CHECKED BY: JDW

INORGANIC ANALYSIS

SOLIDS

- Data Report -

Erco ID	Client ID	Organic Carbon, Total
6279-02	DNTUSS8702	0.67
6279-04	DNTUSS8703	0.21
6279-06	DNTUSS8704	1.30
6279-08	DNTUSS8705*	0.37
6279-10	DNTUSS8701	0.84

* Duplicate of DNSDSS8703

If customer has any questions regarding analysis, refer to sample in question by its Erco ID#.

APPENDIX H

ANALYTICAL RESULTS - STREAM SEDIMENT

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 8240/HSL List

Client Name: New York State Electric and Gas

Client ID: DNTUSS8701

Laboratory ID: 6279-10

Matrix: Soil Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/08/88

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/kg (dry wt)	180
Bromomethane	ND	µg/kg (dry wt)	180
Vinyl chloride	ND	µg/kg (dry wt)	180
Chloroethane	ND	µg/kg (dry wt)	180
Methylene chloride	ND	µg/kg (dry wt)	180
Acetone	ND	µg/kg (dry wt)	1,800
Carbon disulfide	ND	µg/kg (dry wt)	70
1,1-Dichloroethene	ND	µg/kg (dry wt)	70
1,1-Dichloroethane	ND	µg/kg (dry wt)	70
trans-1,2-Dichloroethene	ND	µg/kg (dry wt)	70
Chloroform	ND	µg/kg (dry wt)	70
1,2-Dichloroethane	ND	µg/kg (dry wt)	70
2-Butanone	ND	µg/kg (dry wt)	350
1,1,1-Trichloroethane	ND	µg/kg (dry wt)	70
Carbon tetrachloride	ND	µg/kg (dry wt)	70
Vinyl acetate	ND	µg/kg (dry wt)	350
Bromodichloromethane	ND	µg/kg (dry wt)	70
1,2-Dichloropropane	ND	µg/kg (dry wt)	70
trans-1,3-Dichloropropene	ND	µg/kg (dry wt)	70
Trichloroethene	ND	µg/kg (dry wt)	70
Dibromochloromethane	ND	µg/kg (dry wt)	70
1,1,2-Trichloroethane	ND	µg/kg (dry wt)	70
Benzene	ND	µg/kg (dry wt)	70
cis-1,3-Dichloropropene	ND	µg/kg (dry wt)	70
2-Chloroethyl vinyl ether	ND	µg/kg (dry wt)	350
Bromoform	ND	µg/kg (dry wt)	70
4-Methyl-2-pentanone	ND	µg/kg (dry wt)	350
2-Hexanone	ND	µg/kg (dry wt)	350
1,1,2,2-Tetrachloroethane	ND	µg/kg (dry wt)	70
Tetrachloroethene	ND	µg/kg (dry wt)	70
Toluene	ND	µg/kg (dry wt)	70
Chlorobenzene	ND	µg/kg (dry wt)	70
Ethyl benzene	ND	µg/kg (dry wt)	70
Styrene	ND	µg/kg (dry wt)	70
Total xylenes	ND	µg/kg (dry wt)	70

Solid content = 70%

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 8240/HSL List

Client Name: New York State Electric and Gas

Client ID: DNTUSS8702

Laboratory ID: 6279-02

Matrix: Soil Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/08/88

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/kg (dry wt)	180
Bromomethane	ND	µg/kg (dry wt)	180
Vinyl chloride	ND	µg/kg (dry wt)	180
Chloroethane	ND	µg/kg (dry wt)	180
Methylene chloride	ND	µg/kg (dry wt)	180
Acetone	ND	µg/kg (dry wt)	1,800
Carbon disulfide	ND	µg/kg (dry wt)	70
1,1-Dichloroethene	ND	µg/kg (dry wt)	70
1,1-Dichloroethane	ND	µg/kg (dry wt)	70
trans-1,2-Dichloroethene	ND	µg/kg (dry wt)	70
Chloroform	ND	µg/kg (dry wt)	70
1,2-Dichloroethane	ND	µg/kg (dry wt)	70
2-Butanone	ND	µg/kg (dry wt)	350
1,1,1-Trichloroethane	ND	µg/kg (dry wt)	70
Carbon tetrachloride	ND	µg/kg (dry wt)	70
Vinyl acetate	ND	µg/kg (dry wt)	350
Bromodichloromethane	ND	µg/kg (dry wt)	70
1,2-Dichloropropane	ND	µg/kg (dry wt)	70
trans-1,3-Dichloropropene	ND	µg/kg (dry wt)	70
Trichloroethene	ND	µg/kg (dry wt)	70
Dibromochloromethane	ND	µg/kg (dry wt)	70
1,1,2-Trichloroethane	ND	µg/kg (dry wt)	70
Benzene	ND	µg/kg (dry wt)	70
cis-1,3-Dichloropropene	ND	µg/kg (dry wt)	70
2-Chloroethyl vinyl ether	ND	µg/kg (dry wt)	350
Bromoform	ND	µg/kg (dry wt)	70
4-Methyl-2-pentanone	ND	µg/kg (dry wt)	350
2-Hexanone	ND	µg/kg (dry wt)	350
1,1,2,2-Tetrachloroethane	ND	µg/kg (dry wt)	70
Tetrachloroethene	ND	µg/kg (dry wt)	70
Toluene	ND	µg/kg (dry wt)	70
Chlorobenzene	ND	µg/kg (dry wt)	70
Ethyl benzene	ND	µg/kg (dry wt)	70
Styrene	ND	µg/kg (dry wt)	70
Total xylenes	ND	µg/kg (dry wt)	70

Solid content = 72%

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 8240/HSL List

Client Name: New York State Electric and Gas

Client ID: DNTDSS8703

Laboratory ID: 6279-04

Matrix: Soil Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/08/88

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/kg (dry wt)	180
Bromomethane	ND	µg/kg (dry wt)	180
Vinyl chloride	ND	µg/kg (dry wt)	180
Chloroethane	ND	µg/kg (dry wt)	180
Methylene chloride	ND	µg/kg (dry wt)	180
Acetone	ND	µg/kg (dry wt)	1,800
Carbon disulfide	ND	µg/kg (dry wt)	70
1,1-Dichloroethene	ND	µg/kg (dry wt)	70
1,1-Dichloroethane	ND	µg/kg (dry wt)	70
trans-1,2-Dichloroethene	ND	µg/kg (dry wt)	70
Chloroform	ND	µg/kg (dry wt)	70
1,2-Dichloroethane	ND	µg/kg (dry wt)	70
2-Butanone	ND	µg/kg (dry wt)	350
1,1,1-Trichloroethane	ND	µg/kg (dry wt)	70
Carbon tetrachloride	ND	µg/kg (dry wt)	70
Vinyl acetate	ND	µg/kg (dry wt)	350
Bromodichloromethane	ND	µg/kg (dry wt)	70
1,2-Dichloropropane	ND	µg/kg (dry wt)	70
trans-1,3-Dichloropropene	ND	µg/kg (dry wt)	70
Trichloroethene	ND	µg/kg (dry wt)	70
Dibromochloromethane	ND	µg/kg (dry wt)	70
1,1,2-Trichloroethane	ND	µg/kg (dry wt)	70
Benzene	ND	µg/kg (dry wt)	70
cis-1,3-Dichloropropene	ND	µg/kg (dry wt)	70
2-Chloroethyl vinyl ether	ND	µg/kg (dry wt)	350
Bromoform	ND	µg/kg (dry wt)	70
4-Methyl-2-pentanone	ND	µg/kg (dry wt)	350
2-Hexanone	ND	µg/kg (dry wt)	350
1,1,2,2-Tetrachloroethane	ND	µg/kg (dry wt)	70
Tetrachloroethene	ND	µg/kg (dry wt)	70
Toluene	ND	µg/kg (dry wt)	70
Chlorobenzene	ND	µg/kg (dry wt)	70
Ethyl benzene	ND	µg/kg (dry wt)	70
Styrene	ND	µg/kg (dry wt)	70
Total xylenes	ND	µg/kg (dry wt)	70

Solid content = 73%

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 8240/HSL List

Client Name: New York State Electric and Gas

Client ID: DNTDSS8704

Laboratory ID: 6279-06

Matrix: Soil Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/08/88

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/kg (dry wt)	250
Bromomethane	ND	µg/kg (dry wt)	250
Vinyl chloride	ND	µg/kg (dry wt)	250
Chloroethane	ND	µg/kg (dry wt)	250
Methylene chloride	ND	µg/kg (dry wt)	250
Acetone	ND	µg/kg (dry wt)	2,500
Carbon disulfide	ND	µg/kg (dry wt)	100
1,1-Dichloroethene	ND	µg/kg (dry wt)	100
1,1-Dichloroethane	ND	µg/kg (dry wt)	100
trans-1,2-Dichloroethene	ND	µg/kg (dry wt)	100
Chloroform	ND	µg/kg (dry wt)	100
1,2-Dichloroethane	ND	µg/kg (dry wt)	100
2-Butanone	ND	µg/kg (dry wt)	500
1,1,1-Trichloroethane	ND	µg/kg (dry wt)	100
Carbon tetrachloride	ND	µg/kg (dry wt)	100
Vinyl acetate	ND	µg/kg (dry wt)	500
Bromodichloromethane	ND	µg/kg (dry wt)	100
1,2-Dichloropropane	ND	µg/kg (dry wt)	100
trans-1,3-Dichloropropene	ND	µg/kg (dry wt)	100
Trichloroethene	ND	µg/kg (dry wt)	100
Dibromochloromethane	ND	µg/kg (dry wt)	100
1,1,2-Trichloroethane	ND	µg/kg (dry wt)	100
Benzene	ND	µg/kg (dry wt)	100
cis-1,3-Dichloropropene	ND	µg/kg (dry wt)	100
2-Chloroethyl vinyl ether	ND	µg/kg (dry wt)	500
Bromoform	ND	µg/kg (dry wt)	100
4-Methyl-2-pentanone	ND	µg/kg (dry wt)	500
2-Hexanone	ND	µg/kg (dry wt)	500
1,1,2,2-Tetrachloroethane	ND	µg/kg (dry wt)	100
Tetrachloroethene	ND	µg/kg (dry wt)	100
Toluene	ND	µg/kg (dry wt)	100
Chlorobenzene	ND	µg/kg (dry wt)	100
Ethyl benzene	ND	µg/kg (dry wt)	100
Styrene	ND	µg/kg (dry wt)	100
Total xylenes	ND	µg/kg (dry wt)	100

Solid content = 56%

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 8240/HSL List

Client Name: New York State Electric and Gas

Client ID: DNTDSS8705 Duplicate of DNTDSS8703

Laboratory ID: 6279-08

Matrix: Soil Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/23/87 Analyzed: 01/08/88

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/kg (dry wt)	180
Bromomethane	ND	µg/kg (dry wt)	180
Vinyl chloride	ND	µg/kg (dry wt)	180
Chloroethane	ND	µg/kg (dry wt)	180
Methylene chloride	ND	µg/kg (dry wt)	180
Acetone	ND	µg/kg (dry wt)	1,800
Carbon disulfide	ND	µg/kg (dry wt)	70
1,1-Dichloroethene	ND	µg/kg (dry wt)	70
1,1-Dichloroethane	ND	µg/kg (dry wt)	70
trans-1,2-Dichloroethene	ND	µg/kg (dry wt)	70
Chloroform	ND	µg/kg (dry wt)	70
1,2-Dichloroethane	ND	µg/kg (dry wt)	70
2-Butanone	ND	µg/kg (dry wt)	350
1,1,1-Trichloroethane	ND	µg/kg (dry wt)	70
Carbon tetrachloride	ND	µg/kg (dry wt)	70
Vinyl acetate	ND	µg/kg (dry wt)	350
Bromodichloromethane	ND	µg/kg (dry wt)	70
1,2-Dichloropropane	ND	µg/kg (dry wt)	70
trans-1,3-Dichloropropene	ND	µg/kg (dry wt)	70
Trichloroethene	ND	µg/kg (dry wt)	70
Dibromochloromethane	ND	µg/kg (dry wt)	70
1,1,2-Trichloroethane	ND	µg/kg (dry wt)	70
Benzene	ND	µg/kg (dry wt)	70
cis-1,3-Dichloropropene	ND	µg/kg (dry wt)	70
2-Chloroethyl vinyl ether	ND	µg/kg (dry wt)	350
Bromoform	ND	µg/kg (dry wt)	70
4-Methyl-2-pentanone	ND	µg/kg (dry wt)	350
2-Hexanone	ND	µg/kg (dry wt)	350
1,1,2,2-Tetrachloroethane	ND	µg/kg (dry wt)	70
Tetrachloroethene	ND	µg/kg (dry wt)	70
Toluene	ND	µg/kg (dry wt)	70
Chlorobenzene	ND	µg/kg (dry wt)	70
Ethyl benzene	ND	µg/kg (dry wt)	70
Styrene	ND	µg/kg (dry wt)	70
Total xylenes	ND	µg/kg (dry wt)	70

Solid content = 74%

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL) VOLATILE ORGANICS

EPA Method 624/HSL List

Client Name: New York State Electric and Gas

Client ID: DNSXXX87FB

Laboratory ID: 6279-12

Matrix: Water Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/30/87 Analyzed: 12/30/87

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	µg/L	5
Bromomethane	ND	µg/L	5
Vinyl chloride	ND	µg/L	5
Chloroethane	ND	µg/L	5
Methylene chloride	ND	µg/L	10
Acetone	ND	µg/L	50
Carbon disulfide	ND	µg/L	2
1,1-Dichloroethene	ND	µg/L	2
1,1-Dichloroethane	ND	µg/L	2
trans-1,2-Dichloroethene	ND	µg/L	2
Chloroform	ND	µg/L	2
1,2-Dichloroethane	ND	µg/L	2
2-Butanone	ND	µg/L	10
1,1,1-Trichloroethane	ND	µg/L	2
Carbon tetrachloride	ND	µg/L	2
Vinyl acetate	ND	µg/L	10
Bromodichloromethane	ND	µg/L	2
1,2-Dichloropropane	ND	µg/L	2
trans-1,3-Dichloropropene	ND	µg/L	2
Trichloroethene	ND	µg/L	2
Dibromochloromethane	ND	µg/L	2
1,1,2-Trichloroethane	ND	µg/L	2
Benzene	ND	µg/L	2
cis-1,3-Dichloropropene	ND	µg/L	2
2-Chloroethyl vinyl ether	ND	µg/L	10
Bromoform	ND	µg/L	2
4-Methyl-2-pentanone	ND	µg/L	10
2-Hexanone	ND	µg/L	10
1,1,2,2-Tetrachloroethane	ND	µg/L	2
Tetrachloroethene	ND	µg/L	2
Toluene	ND	µg/L	2
Chlorobenzene	ND	µg/L	2
Ethyl benzene	ND	µg/L	2
Styrene	ND	µg/L	2
Total xylenes	ND	µg/L	2

ND = Not detected.

Reported by _____ Approved by _____

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTUSS8701
Laboratory ID: 6279-10
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/21/88

Parameter	Result	Units	Reporting Limit
Phenol	*	µg/kg (dry wt)	530
bis(2-Chloroethyl)ether	ND	µg/kg (dry wt)	530
2-Chlorophenol	ND	µg/kg (dry wt)	530
1,3-Dichlorobenzene	ND	µg/kg (dry wt)	530
1,4-Dichlorobenzene	ND	µg/kg (dry wt)	530
Benzyl alcohol	ND	µg/kg (dry wt)	530
1,2-Dichlorobenzene	ND	µg/kg (dry wt)	530
2-Methylphenol	ND	µg/kg (dry wt)	530
bis(2-Chloroisopropyl)ether	ND	µg/kg (dry wt)	530
4-Methylphenol	660	µg/kg (dry wt)	530
N-Nitroso-di-n-propylamine	ND	µg/kg (dry wt)	530
Hexachloroethane	ND	µg/kg (dry wt)	530
Nitrobenzene	ND	µg/kg (dry wt)	530
Isophorone	ND	µg/kg (dry wt)	530
2-Nitrophenol	ND	µg/kg (dry wt)	530
2,4-Dimethylphenol	ND	µg/kg (dry wt)	530
Benzoic acid	ND	µg/kg (dry wt)	2,700
bis(2-Chloroethoxy)methane	ND	µg/kg (dry wt)	530
2,4-Dichlorophenol	ND	µg/kg (dry wt)	530
1,2,4-Trichlorobenzene	ND	µg/kg (dry wt)	530
Naphthalene	ND	µg/kg (dry wt)	530
4-Chloroaniline	ND	µg/kg (dry wt)	530
Hexachlorobutadiene	ND	µg/kg (dry wt)	530
4-Chloro-3-methylphenol	ND	µg/kg (dry wt)	530
2-Methylnaphthalene	ND	µg/kg (dry wt)	530
Hexachlorocyclopentadiene	ND	µg/kg (dry wt)	530
2,4,6-Trichlorophenol	ND	µg/kg (dry wt)	530
2,4,5-Trichlorophenol	ND	µg/kg (dry wt)	2,700
2-Chloronaphthalene	ND	µg/kg (dry wt)	530
2-Nitroaniline	ND	µg/kg (dry wt)	2,700
Dimethyl phthalate	ND	µg/kg (dry wt)	530
Acenaphthylene	ND	µg/kg (dry wt)	530
3-Nitroaniline	ND	µg/kg (dry wt)	2,700
Acenaphthene	ND	µg/kg (dry wt)	530

(continued on following page)

*Trace concentrations detected below the reporting limit.
ND = Not detected.

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS (CONT.)

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTUSS8701
Laboratory ID: 6279-10
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/21/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/kg (dry wt)	2,700
4-Nitrophenol	ND	µg/kg (dry wt)	2,700
Dibenzofuran	ND	µg/kg (dry wt)	530
2,4-Dinitrotoluene	ND	µg/kg (dry wt)	530
2,6-Dinitrotoluene	ND	µg/kg (dry wt)	530
Diethyl phthalate	ND	µg/kg (dry wt)	530
4-Chlorophenyl phenyl ether	ND	µg/kg (dry wt)	530
Fluorene	ND	µg/kg (dry wt)	530
4-Nitroaniline	ND	µg/kg (dry wt)	2,700
4,6-Dinitro-2-methylphenol	ND	µg/kg (dry wt)	2,700
N-Nitrosodiphenylamine	ND	µg/kg (dry wt)	530
4-Bromophenyl phenyl ether	ND	µg/kg (dry wt)	530
Hexachlorobenzene	ND	µg/kg (dry wt)	530
Pentachlorophenol	ND	µg/kg (dry wt)	2,700
Phenanthrene	ND	µg/kg (dry wt)	530
Anthracene	ND	µg/kg (dry wt)	530
Di-n-butyl phthalate	ND	µg/kg (dry wt)	530
Fluoranthene	ND	µg/kg (dry wt)	530
Pyrene	ND	µg/kg (dry wt)	530
Butyl benzyl phthalate	ND	µg/kg (dry wt)	530
3,3'-Dichlorobenzidine	ND	µg/kg (dry wt)	1,100
Benzo(a)anthracene	ND	µg/kg (dry wt)	530
bis(2-Ethylhexyl)phthalate	ND	µg/kg (dry wt)	530
Chrysene	ND	µg/kg (dry wt)	530
Di-n-octyl phthalate	ND	µg/kg (dry wt)	530
Benzo(b)fluoranthene	ND	µg/kg (dry wt)	530
Benzo(k)fluoranthene	ND	µg/kg (dry wt)	530
Benzo(a)pyrene	ND	µg/kg (dry wt)	530
Indeno(1,2,3-c,d)pyrene	ND	µg/kg (dry wt)	530
Dibenzo(a,h)anthracene	ND	µg/kg (dry wt)	530
Benzo(g,h,i)perylene	ND	µg/kg (dry wt)	530

Solid content = 75%

ND = Not detected.

Reported by PD Approved by NCA

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTUSS8702
Laboratory ID: 6279-02
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/13/88

Parameter	Result	Units	Reporting Limit
Phenol	ND	µg/kg (dry wt)	520
bis(2-Chloroethyl)ether	ND	µg/kg (dry wt)	520
2-Chlorophenol	ND	µg/kg (dry wt)	520
1,3-Dichlorobenzene	ND	µg/kg (dry wt)	520
1,4-Dichlorobenzene	ND	µg/kg (dry wt)	520
Benzyl alcohol	ND	µg/kg (dry wt)	520
1,2-Dichlorobenzene	ND	µg/kg (dry wt)	520
2-Methylphenol	ND	µg/kg (dry wt)	520
bis(2-Chloroisopropyl)ether	ND	µg/kg (dry wt)	520
4-Methylphenol	ND	µg/kg (dry wt)	520
N-Nitroso-di-n-propylamine	ND	µg/kg (dry wt)	520
Hexachloroethane	ND	µg/kg (dry wt)	520
Nitrobenzene	ND	µg/kg (dry wt)	520
Isophorone	ND	µg/kg (dry wt)	520
2-Nitrophenol	ND	µg/kg (dry wt)	520
2,4-Dimethylphenol	ND	µg/kg (dry wt)	520
Benzoic acid	ND	µg/kg (dry wt)	2,600
bis(2-Chloroethoxy)methane	ND	µg/kg (dry wt)	520
2,4-Dichlorophenol	ND	µg/kg (dry wt)	520
1,2,4-Trichlorobenzene	ND	µg/kg (dry wt)	520
Naphthalene	ND	µg/kg (dry wt)	520
4-Chloroaniline	ND	µg/kg (dry wt)	520
Hexachlorobutadiene	ND	µg/kg (dry wt)	520
4-Chloro-3-methylphenol	ND	µg/kg (dry wt)	520
2-Methylnaphthalene	ND	µg/kg (dry wt)	520
Hexachlorocyclopentadiene	ND	µg/kg (dry wt)	520
2,4,6-Trichlorophenol	ND	µg/kg (dry wt)	520
2,4,5-Trichlorophenol	ND	µg/kg (dry wt)	2,600
2-Chloronaphthalene	ND	µg/kg (dry wt)	520
2-Nitroaniline	ND	µg/kg (dry wt)	2,600
Dimethyl phthalate	ND	µg/kg (dry wt)	520
Acenaphthylene	ND	µg/kg (dry wt)	520
3-Nitroaniline	ND	µg/kg (dry wt)	2,600
Acenaphthene	ND	µg/kg (dry wt)	520

(continued on following page)

ND = Not detected.

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS (CONT.)

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTUSS8702
Laboratory ID: 6279-02
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/13/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/kg (dry wt)	2,600
4-Nitrophenol	ND	µg/kg (dry wt)	2,600
Dibenzofuran	ND	µg/kg (dry wt)	520
2,4-Dinitrotoluene	ND	µg/kg (dry wt)	520
2,6-Dinitrotoluene	ND	µg/kg (dry wt)	520
Diethyl phthalate	ND	µg/kg (dry wt)	520
4-Chlorophenyl phenyl ether	ND	µg/kg (dry wt)	520
Fluorene	ND	µg/kg (dry wt)	520
4-Nitroaniline	ND	µg/kg (dry wt)	2,600
4,6-Dinitro-2-methylphenol	ND	µg/kg (dry wt)	2,600
N-Nitrosodiphenylamine	ND	µg/kg (dry wt)	520
4-Bromophenyl phenyl ether	ND	µg/kg (dry wt)	520
Hexachlorobenzene	ND	µg/kg (dry wt)	520
Pentachlorophenol	ND	µg/kg (dry wt)	2,600
Phenanthrene	ND	µg/kg (dry wt)	520
Anthracene	ND	µg/kg (dry wt)	520
Di-n-butyl phthalate	ND	µg/kg (dry wt)	520
Fluoranthene	ND	µg/kg (dry wt)	520
Pyrene	ND	µg/kg (dry wt)	520
Butyl benzyl phthalate	ND	µg/kg (dry wt)	520
3,3'-Dichlorobenzidine	ND	µg/kg (dry wt)	1,000
Benzo(a)anthracene	ND	µg/kg (dry wt)	520
bis(2-Ethylhexyl)phthalate	ND	µg/kg (dry wt)	520
Chrysene	ND	µg/kg (dry wt)	520
Di-n-octyl phthalate	ND	µg/kg (dry wt)	520
Benzo(b)fluoranthene	ND	µg/kg (dry wt)	520
Benzo(k)fluoranthene	ND	µg/kg (dry wt)	520
Benzo(a)pyrene	ND	µg/kg (dry wt)	520
Indeno(1,2,3-c,d)pyrene	ND	µg/kg (dry wt)	520
Dibenzo(a,h)anthracene	ND	µg/kg (dry wt)	520
Benzo(g,h,i)perylene	ND	µg/kg (dry wt)	520

Solid content = 75%

ND = Not detected.

Reported by PD Approved by NCA

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HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTDSS8703
Laboratory ID: 6279-04
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/13/88

Parameter	Result	Units	Reporting Limit
Phenol	ND	µg/kg (dry wt)	490
bis(2-Chloroethyl)ether	ND	µg/kg (dry wt)	490
2-Chlorophenol	ND	µg/kg (dry wt)	490
1,3-Dichlorobenzene	ND	µg/kg (dry wt)	490
1,4-Dichlorobenzene	ND	µg/kg (dry wt)	490
Benzyl alcohol	ND	µg/kg (dry wt)	490
1,2-Dichlorobenzene	ND	µg/kg (dry wt)	490
2-Methylphenol	ND	µg/kg (dry wt)	490
bis(2-Chloroisopropyl)ether	ND	µg/kg (dry wt)	490
4-Methylphenol	ND	µg/kg (dry wt)	490
N-Nitroso-di-n-propylamine	ND	µg/kg (dry wt)	490
Hexachloroethane	ND	µg/kg (dry wt)	490
Nitrobenzene	ND	µg/kg (dry wt)	490
Isophorone	ND	µg/kg (dry wt)	490
2-Nitrophenol	ND	µg/kg (dry wt)	490
2,4-Dimethylphenol	ND	µg/kg (dry wt)	490
Benzoic acid	ND	µg/kg (dry wt)	2,400
bis(2-Chloroethoxy)methane	ND	µg/kg (dry wt)	490
2,4-Dichlorophenol	ND	µg/kg (dry wt)	490
1,2,4-Trichlorobenzene	ND	µg/kg (dry wt)	490
Naphthalene	ND	µg/kg (dry wt)	490
4-Chloroaniline	ND	µg/kg (dry wt)	490
Hexachlorobutadiene	ND	µg/kg (dry wt)	490
4-Chloro-3-methylphenol	ND	µg/kg (dry wt)	490
2-Methylnaphthalene	ND	µg/kg (dry wt)	490
Hexachlorocyclopentadiene	ND	µg/kg (dry wt)	490
2,4,6-Trichlorophenol	ND	µg/kg (dry wt)	490
2,4,5-Trichlorophenol	ND	µg/kg (dry wt)	2,400
2-Chloronaphthalene	ND	µg/kg (dry wt)	490
2-Nitroaniline	ND	µg/kg (dry wt)	2,400
Dimethyl phthalate	ND	µg/kg (dry wt)	490
Acenaphthylene	ND	µg/kg (dry wt)	490
3-Nitroaniline	ND	µg/kg (dry wt)	2,400
Acenaphthene	ND	µg/kg (dry wt)	490

(continued on following page)

ND = Not detected.

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS (CONT.)

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTDSS8703
Laboratory ID: 6279-04
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/13/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/kg (dry wt)	2,400
4-Nitrophenol	ND	µg/kg (dry wt)	2,400
Dibenzofuran	ND	µg/kg (dry wt)	490
2,4-Dinitrotoluene	ND	µg/kg (dry wt)	490
2,6-Dinitrotoluene	ND	µg/kg (dry wt)	490
Diethyl phthalate	ND	µg/kg (dry wt)	490
4-Chlorophenyl phenyl ether	ND	µg/kg (dry wt)	490
Fluorene	ND	µg/kg (dry wt)	490
4-Nitroaniline	ND	µg/kg (dry wt)	2,400
4,6-Dinitro-2-methylphenol	ND	µg/kg (dry wt)	2,400
N-Nitrosodiphenylamine	ND	µg/kg (dry wt)	490
4-Bromophenyl phenyl ether	ND	µg/kg (dry wt)	490
Hexachlorobenzene	ND	µg/kg (dry wt)	490
Pentachlorophenol	ND	µg/kg (dry wt)	2,400
Phenanthrene	ND	µg/kg (dry wt)	490
Anthracene	ND	µg/kg (dry wt)	490
Di-n-butyl phthalate	ND	µg/kg (dry wt)	490
Fluoranthene	ND	µg/kg (dry wt)	490
Pyrene	ND	µg/kg (dry wt)	490
Butyl benzyl phthalate	ND	µg/kg (dry wt)	490
3,3'-Dichlorobenzidine	ND	µg/kg (dry wt)	970
Benzo(a)anthracene	ND	µg/kg (dry wt)	490
bis(2-Ethylhexyl)phthalate -----	500	µg/kg (dry wt)	490
Chrysene	ND	µg/kg (dry wt)	490
Di-n-octyl phthalate	ND	µg/kg (dry wt)	490
Benzo(b)fluoranthene	ND	µg/kg (dry wt)	490
Benzo(k)fluoranthene	ND	µg/kg (dry wt)	490
Benzo(a)pyrene	ND	µg/kg (dry wt)	490
Indeno(1,2,3-c,d)pyrene	ND	µg/kg (dry wt)	490
Dibenzo(a,h)anthracene	ND	µg/kg (dry wt)	490
Benzo(g,h,i)perylene	ND	µg/kg (dry wt)	490

Solid content = 80.6%

ND = Not detected.

Reported by PD Approved by

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 827D/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTDSS8704
Laboratory ID: 6279-06
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/18/88

Parameter	Result	Units	Reporting Limit
Phenol	ND	µg/kg (dry wt)	510
bis(2-Chloroethyl)ether	ND	µg/kg (dry wt)	510
2-Chlorophenol	ND	µg/kg (dry wt)	510
1,3-Dichlorobenzene	ND	µg/kg (dry wt)	510
1,4-Dichlorobenzene	ND	µg/kg (dry wt)	510
Benzyl alcohol	ND	µg/kg (dry wt)	510
1,2-Dichlorobenzene	ND	µg/kg (dry wt)	510
2-Methylphenol	ND	µg/kg (dry wt)	510
bis(2-Chloroisopropyl)ether	ND	µg/kg (dry wt)	510
4-Methylphenol	*	µg/kg (dry wt)	510
N-Nitroso-di-n-propylamine	ND	µg/kg (dry wt)	510
Hexachloroethane	ND	µg/kg (dry wt)	510
Nitrobenzene	ND	µg/kg (dry wt)	510
Isophorone	ND	µg/kg (dry wt)	510
2-Nitrophenol	ND	µg/kg (dry wt)	510
2,4-Dimethylphenol	ND	µg/kg (dry wt)	510
Benzoic acid	ND	µg/kg (dry wt)	2,600
bis(2-Chloroethoxy)methane	ND	µg/kg (dry wt)	510
2,4-Dichlorophenol	ND	µg/kg (dry wt)	510
1,2,4-Trichlorobenzene	ND	µg/kg (dry wt)	510
Naphthalene	ND	µg/kg (dry wt)	510
4-Chloroaniline	ND	µg/kg (dry wt)	510
Hexachlorobutadiene	ND	µg/kg (dry wt)	510
4-Chloro-3-methylphenol	ND	µg/kg (dry wt)	510
2-Methylnaphthalene	ND	µg/kg (dry wt)	510
Hexachlorocyclopentadiene	ND	µg/kg (dry wt)	510
2,4,6-Trichlorophenol	ND	µg/kg (dry wt)	510
2,4,5-Trichlorophenol	ND	µg/kg (dry wt)	2,600
2-Chloronaphthalene	ND	µg/kg (dry wt)	510
2-Nitroaniline	ND	µg/kg (dry wt)	2,600
Dimethyl phthalate	ND	µg/kg (dry wt)	510
Acenaphthylene	ND	µg/kg (dry wt)	510
3-Nitroaniline	ND	µg/kg (dry wt)	2,600
Acenaphthene	ND	µg/kg (dry wt)	510

(continued on following page)

*Trace concentrations detected below the reporting limit.
ND = Not detected.

HAZARDDUS SUBSTANCE LIST (HSL)
SEMIVDLATILE ORGANICS (CDNT.)

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTDSS8704
Laboratory ID: 6279-06
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/18/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/kg (dry wt)	2,600
4-Nitrophenol	ND	µg/kg (dry wt)	2,600
Dibenzofuran	ND	µg/kg (dry wt)	510
2,4-Dinitrotoluene	ND	µg/kg (dry wt)	510
2,6-Dinitrotoluene	ND	µg/kg (dry wt)	510
Diethyl phthalate	ND	µg/kg (dry wt)	510
4-Chlorophenyl phenyl ether	ND	µg/kg (dry wt)	510
Fluorene	ND	µg/kg (dry wt)	510
4-Nitroaniline	ND	µg/kg (dry wt)	2,600
4,6-Dinitro-2-methylphenol	ND	µg/kg (dry wt)	2,600
N-Nitrosodiphenylamine	ND	µg/kg (dry wt)	510
4-Bromophenyl phenyl ether	ND	µg/kg (dry wt)	510
Hexachlorobenzene	ND	µg/kg (dry wt)	510
Pentachlorophenol	ND	µg/kg (dry wt)	2,600
Phenanthrene	ND	µg/kg (dry wt)	510
Anthracene	ND	µg/kg (dry wt)	510
Di-n-butyl phthalate	ND	µg/kg (dry wt)	510
Fluoranthene	ND	µg/kg (dry wt)	510
Pyrene	ND	µg/kg (dry wt)	510
Butyl benzyl phthalate	ND	µg/kg (dry wt)	510
3,3'-Dichlorobenzidine	ND	µg/kg (dry wt)	1,000
Benzo(a)anthracene	ND	µg/kg (dry wt)	510
bis(2-Ethylhexyl)phthalate	ND	µg/kg (dry wt)	510
Chrysene	ND	µg/kg (dry wt)	510
Di-n-octyl phthalate	ND	µg/kg (dry wt)	510
Benzo(b)fluoranthene	ND	µg/kg (dry wt)	510
Benzo(k)fluoranthene	ND	µg/kg (dry wt)	510
Benzo(a)pyrene	ND	µg/kg (dry wt)	510
Indeno(1,2,3-c,d)pyrene	ND	µg/kg (dry wt)	510
Dibenzo(a,h)anthracene	ND	µg/kg (dry wt)	510
Benzo(g,h,i)perylene	ND	µg/kg (dry wt)	510

Solid content = 63.6%

ND = Not detected.

Reported by RD Approved by NCA

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas

Client ID: DNTDSS8705 Duplicate of DNTDSS8703

Laboratory ID: 6279-08

Matrix: Solid Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/18/88

Parameter	Result	Units	Reporting Limit
Phenol	ND	µg/kg (dry wt)	440
bis(2-Chloroethyl)ether	ND	µg/kg (dry wt)	440
2-Chlorophenol	ND	µg/kg (dry wt)	440
1,3-Dichlorobenzene	ND	µg/kg (dry wt)	440
1,4-Dichlorobenzene	ND	µg/kg (dry wt)	440
Benzyl alcohol	ND	µg/kg (dry wt)	440
1,2-Dichlorobenzene	ND	µg/kg (dry wt)	440
2-Methylphenol	ND	µg/kg (dry wt)	440
bis(2-Chloroisopropyl)ether	ND	µg/kg (dry wt)	440
4-Methylphenol	ND	µg/kg (dry wt)	440
N-Nitroso-di-n-propylamine	ND	µg/kg (dry wt)	440
Hexachloroethane	ND	µg/kg (dry wt)	440
Nitrobenzene	ND	µg/kg (dry wt)	440
Isophorone	ND	µg/kg (dry wt)	440
2-Nitrophenol	ND	µg/kg (dry wt)	440
2,4-Dimethylphenol	ND	µg/kg (dry wt)	440
Benzoic acid	ND	µg/kg (dry wt)	2,200
bis(2-Chloroethoxy)methane	ND	µg/kg (dry wt)	440
2,4-Dichlorophenol	ND	µg/kg (dry wt)	440
1,2,4-Trichlorobenzene	ND	µg/kg (dry wt)	440
Naphthalene	ND	µg/kg (dry wt)	440
4-Chloroaniline	ND	µg/kg (dry wt)	440
Hexachlorobutadiene	ND	µg/kg (dry wt)	440
4-Chloro-3-methylphenol	ND	µg/kg (dry wt)	440
2-Methylnaphthalene	ND	µg/kg (dry wt)	440
Hexachlorocyclopentadiene	ND	µg/kg (dry wt)	440
2,4,6-Trichlorophenol	ND	µg/kg (dry wt)	440
2,4,5-Trichlorophenol	ND	µg/kg (dry wt)	2,200
2-Chloronaphthalene	ND	µg/kg (dry wt)	440
2-Nitroaniline	ND	µg/kg (dry wt)	2,200
Dimethyl phthalate	ND	µg/kg (dry wt)	440
Acenaphthylene	ND	µg/kg (dry wt)	440
3-Nitroaniline	ND	µg/kg (dry wt)	2,200
Acenaphthene	ND	µg/kg (dry wt)	440

(continued on following page)

ND = Not detected.

Enseco

HAZARDOUS SUBSTANCE LIST (HSL)
SEMIVOLATILE ORGANICS (CONT.)

EPA Method 8270/HSL List

Client Name: New York State Electric and Gas
Client ID: DNTDSS8705 Duplicate of DNTDSS8703
Laboratory ID: 6279-08
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 12/29/87 Analyzed: 01/18/88

Parameter	Result	Units	Reporting Limit
2,4-Dinitrophenol	ND	µg/kg (dry wt)	2,200
4-Nitrophenol	ND	µg/kg (dry wt)	2,200
Dibenzofuran	ND	µg/kg (dry wt)	440
2,4-Dinitrotoluene	ND	µg/kg (dry wt)	440
2,6-Dinitrotoluene	ND	µg/kg (dry wt)	440
Diethyl phthalate	ND	µg/kg (dry wt)	440
4-Chlorophenyl phenyl ether	ND	µg/kg (dry wt)	440
Fluorene	ND	µg/kg (dry wt)	440
4-Nitroaniline	ND	µg/kg (dry wt)	2,200
4,6-Dinitro-2-methylphenol	ND	µg/kg (dry wt)	2,200
N-Nitrosodiphenylamine	ND	µg/kg (dry wt)	440
4-Bromophenyl phenyl ether	ND	µg/kg (dry wt)	440
Hexachlorobenzene	ND	µg/kg (dry wt)	440
Pentachlorophenol	ND	µg/kg (dry wt)	2,200
Phenanthrene	ND	µg/kg (dry wt)	440
Anthracene	ND	µg/kg (dry wt)	440
Di-n-butyl phthalate	ND	µg/kg (dry wt)	440
Fluoranthene	ND	µg/kg (dry wt)	440
Pyrene	ND	µg/kg (dry wt)	440
Butyl benzyl phthalate	ND	µg/kg (dry wt)	440
3,3'-Dichlorobenzidine	ND	µg/kg (dry wt)	870
Benzo(a)anthracene	ND	µg/kg (dry wt)	440
bis(2-Ethylhexyl)phthalate	ND	µg/kg (dry wt)	440
Chrysene	ND	µg/kg (dry wt)	440
Di-n-octyl phthalate	ND	µg/kg (dry wt)	440
Benzo(b)fluoranthene	ND	µg/kg (dry wt)	440
Benzo(k)fluoranthene	ND	µg/kg (dry wt)	440
Benzo(a)pyrene	ND	µg/kg (dry wt)	440
Indeno(1,2,3-c,d)pyrene	ND	µg/kg (dry wt)	440
Dibenzo(a,h)anthracene	ND	µg/kg (dry wt)	440
Benzo(g,h,i)perylene	ND	µg/kg (dry wt)	440

Solid content = 86%

ND = Not detected.

Reported by PD Approved by WC

Enseco

METALS

Client Name: New York State Electric and Gas

Client ID: DNTUSS8701

Laboratory ID: 6279-10

Matrix: Solid Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 01/04/88 Analyzed: 01/11/88

Parameter	Result	Units	Theoretical Reporting Limit	Analytical Method
Arsenic	3.2	mg/kg (dry wt)	0.3	7060
Cadmium	ND	mg/kg (dry wt)	0.5	6010
Chromium	6.1	mg/kg (dry wt)	2	6010
Iron	9,110	mg/kg (dry wt)	10	6010
Lead	ND	mg/kg (dry wt)	5	6010
Mercury	ND	mg/kg (dry wt)	0.1	7471
Zinc	41	mg/kg (dry wt)	2	6010

Solid content = 72.2%

ND = Not detected.

Reported by _____ Approved by _____

Enseco

METALS

Client Name: New York State Electric and Gas
Client ID: DNTUSS8702
Laboratory ID: 6279-02
Matrix: Solid Sampled: 12/17/87 Received: 12/18/87
Authorized: 12/18/87 Prepared: 01/04/88 Analyzed: 01/11/88

Parameter	Result	Units	Theoretical Reporting Limit	Analytical Method
Arsenic	3.4	mg/kg (dry wt)	0.3	7060
Cadmium	ND	mg/kg (dry wt)	0.5	6010
Chromium	6.9	mg/kg (dry wt)	2	6010
Iron	10,100	mg/kg (dry wt)	10	6010
Lead	7.3	mg/kg (dry wt)	5	6010
Mercury	ND	mg/kg (dry wt)	0.1	7471
Zinc	41	mg/kg (dry wt)	2	6010

Solid content = 71.1%

ND = Not detected.

Reported by VKS Approved by CML

Enseco

METALS

Client Name: New York State Electric and Gas

Client ID: DNTDSS8703

Laboratory ID: 6279-04

Matrix: Solid Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 01/04/88 Analyzed: 01/11/88

Parameter	Result	Units	Theoretical Reporting Limit	Analytical Method
Arsenic	3.5	mg/kg (dry wt)	0.3	7060
Cadmium	ND	mg/kg (dry wt)	0.5	6010
Chromium	5.9	mg/kg (dry wt)	2	6010
Iron	8,630	mg/kg (dry wt)	10	6010
Lead	ND	mg/kg (dry wt)	5	6010
Mercury	ND	mg/kg (dry wt)	0.1	7471
Zinc	33	mg/kg (dry wt)	2	6010

Solid content = 83.4%

ND = Not detected.

Reported by VKS Approved by CMC

Enseco

METALS

Client Name: New York State Electric and Gas

Client ID: DNTDSS8704

Laboratory ID: 6279-06

Matrix: Solid Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 01/04/88 Analyzed: 01/11/88

Parameter	Result	Units	Theoretical Reporting Limit	Analytical Method
Arsenic	4.1	mg/kg (dry wt)	0.3	7060
Cadmium	ND	mg/kg (dry wt)	0.5	6010
Chromium	7.3	mg/kg (dry wt)	2	6010
Iron	9,550	mg/kg (dry wt)	10	6010
Lead	8.4	mg/kg (dry wt)	5	6010
Mercury	ND	mg/kg (dry wt)	0.1	7471
Zinc	37	mg/kg (dry wt)	2	6010

Solid content = 63.2%

ND = Not detected.

Reported by VS Approved by CML

Enseco

METALS

Client Name: New York State Electric and Gas

Client ID: DNTDSS8705 Duplicate of DNTDSS8703

Laboratory ID: 6279-08

Matrix: Solid Sampled: 12/17/87 Received: 12/18/87

Authorized: 12/18/87 Prepared: 01/04/88 Analyzed: 01/11/88

Parameter	Result	Units	Theoretical Reporting Limit	Analytical Method
Arsenic	2.9	mg/kg (dry wt)	0.3	7060
Cadmium	ND	mg/kg (dry wt)	0.5	6010
Chromium	6.1	mg/kg (dry wt)	2	6010
Iron	9,110	mg/kg (dry wt)	10	6010
Lead	ND	mg/kg (dry wt)	5	6010
Mercury	ND	mg/kg (dry wt)	0.1	7471
Zinc	34	mg/kg (dry wt)	2	6010

Solid content = 75.1%

ND = Not detected.

Reported by VKS Approved by CNL

Enseco

CLIENT: New York State Electric and Gas

SAMPLE RECEIVED: 12/18/87

ANALYSIS COMPLETED: 01/13/88

RESULTS IN: µg/g (ppm) dry wt*

REPORTED BY: JJ MD EO YLK

CHECKED BY: PD

INORGANIC ANALYSIS

SOLIDS

- Data Report -

Erco ID	Client ID	Cyanide, Total	Ammonia As Nitrogen	Phenolics, Total	Sulfate	Solids, Total (%)
6279-02	DNTUSS8702	<0.336	7.64	0.171†	<63.0	74.3
6279-04	DNTDSS8703	<0.311	6.74	<0.120	87.8	79.6
6279-06	DNTDSS8704	<0.357	10.5	0.184†	<72.7	68.0
6279-08	DNTDSS8705***	<0.299	18.9	<0.124	<63.6	78.2
6279-10	DNTUSS8701	<0.314	12.8	0.119†	<65.2	74.0
Erco Blank		<0.010**	<0.10**	<0.010**	<5.0**	NA
Laboratory Control Spike		93%	101%	104%	96%	NA
Laboratory Control Spike Dup.		103%	100%	102%	96%	NA
Method Used:		335.2	350.1	420.1	375.4	160.3

If customer has any questions regarding analysis, refer to sample in question by its Erco ID#.

*Unless otherwise indicated.

**Results in mg/L.

†Sample is at the detection limit.

NA = Not applicable.

***Duplicate DNTDSS8703

APPENDIX I

ANALYTICAL RESULTS - AIR

CALCULATION OF AIR CONCENTRATIONS

The values reported by Travelers Insurance Companies on the previous sheets are expressed as µg/tube for a given compound. IN order to convert these values to concentrations in air, the volume of air pumped through each tube must be calculated. The units of concentration will be mg/M^3 rather than ppm because ppm is a volume/volume ratio so it can only be used for gases or volatile liquids in air - not particulates. Each pump was calibrated to pump 100 cubic centimeters (cc) of air per minute. The elapsed pumping time multiplied by 100 cc/min gives the total volume pumped. Table G-1 shows the cumulative volumes pumped for each pump on each day.

The conversion equation is:

$$\text{Concentration } (mg/m^3) = \frac{\text{Mass } \frac{\mu g}{\text{tube}}}{1{,}000 \ \frac{\mu g}{mg}} \div \frac{\text{elapsed time (min) x 100 (cc/min)}}{10^6 \ (cc/m^3)}$$

Engineering

CHEMICAL, ENVIRONMENTAL & PRODUCT EVALUATION UNIT

LABORATORY ANALYSIS REPORT

ANALYSIS NO.	CUSTOMER		LOCATION
861242 (19-297)	TRC, Inc.		E. Hartford, Conn.
SAMPLE SENT BY	**DATE RECEIVED**	**DATE REPORTED**	**ANALYST**
A. Zlotnick	8/7/86	9/22/86	MMc; JMM

MATERIAL ANALYZED

Tenax Samples; Silver Filters

SAMPLE NUMBER	TEST RESULTS
	The tenax samples were weighed, transferred to tubes and then thermally desorbed into a GC/MS. The compounds listed in Table I were tentatively identified by GC/MS. The calculated values are approximate and assume 100% desorption efficiency. Several compounds, due to the unavailability of standards run under similar conditions, were calculated against the response of a component of similar structure or retention time. These compounds are listed with a double asterisk in Table I. There was some interference in several samples which might be attributed to carryover from previous injections of the higher molecular weight compounds such as Polynuclear Aromatics. Results reported are corrected for background compounds observed in this batch of tenax tubes.

ANALYTICAL METHOD

Thermal Desorption
Gas Chromatography/Mass Spectrometry (GC/MS)

C-15450 NEW 1-72 PRINTED IN U.S.A.

TRC, INC.

Volatile Organics Thermally Desorbed Off Tenax Samples

(all results in µg/tube)

Lab Analysis #861242

TABLE I

Compound	AU-1	AI-1	AD-1	AU-2	AI-2
Benzene	N.D.*	N.D.*	N.D.*	N.D.*	0.201
Toluene	N.D.*	1.2	N.D.*	0.05	2.2
Xylene	N.D.*	N.D.*	N.D.*	N.D.*	55.
Ethyl Benzene	N.D.*	N.D.*	0.99	N.D.*	0.100
Tetrachloroethylene	N.D.*	N.D.*	N.D.*	N.D.*	N.D.*
1,3,5-trimethyl benzene**	N.D.*	N.D.*	N.D.*	N.D.*	N.D.*
1-methyl ethyl benzene**	N.D.*	N.D.*	N.D.*	N.D.*	N.D.*
1,3-dimethyl-3-butenyl-benzene**	N.D.*	N.D.*	N.D.*	N.D.*	N.D.*
1 H Indene**	N.D.*	25.	N.D.*	N.D.*	N.D.*
Hexane**	N.D.*	N.D.*	N.D.*	0.1	N.D.*
1-ethyl-4-methyl benzene**	N.D.*	N.D.*	0.17	N.D.*	N.D.*

*N.D. = compound was not detected at levels above background

**Calculated against the response of a similar compound (see list, page 7)

TRC, INC.

Volatile Organics Thermally Desorbed Off Tenax Samples

(all results in µg/tube)

Lab Analysis #861242

TABLE I, continued

Compound	AD-2	AU-3	AI-3	AD-3
Benzene	N.D.*	N.D.*	0.55	N.D.*
Toluene	N.D.*	N.D.*	3.3	0.11
Xylene	N.D.*	N.D.*	50.	N.D.*
Ethyl Benzene	N.D.*	N.D.*	N.D.*	0.11
Tetrachloroethylene	N.D.*	N.D.*	N.D.*	0.03
1,3,5-trimethyl benzene**	N.D.*	5.3	N.D.*	N.D.*
1-methyl ethyl benzene**	N.D.*	5.0	N.D.*	N.D.*
1,3-dimethyl-3-butenyl-benzene**	N.D.*	3.4	N.D.*	N.D.*
1 H Indene**	0.32	N.D.*	N.D.*	N.D.*
Hexane**	N.D.*	N.D.*	N.D.*	N.D.*
1-ethyl-4-methyl benzene**	N.D.*	N.D.*	N.D.*	N.D.*

*N.D. = compound was not detected at levels above background

**Calculated against the response of a similar compound (see list, page 7)

Engineering

CHEMICAL, ENVIRONMENTAL & PRODUCT EVALUATION UNIT

LABORATORY ANALYSIS REPORT

ANALYSIS NO.	CUSTOMER		LOCATION
861242 (19-297)	TRC, Inc.		E. Hartford, Conn.
SAMPLE SENT BY	**DATE RECEIVED**	**DATE REPORTED**	**ANALYST**
A. Zlotnick	8/7/86	9/22/86	MMc; JMM

MATERIAL ANALYZED

Tenax Samples; Silver Filters

SAMPLE NUMBER	TEST RESULTS
	The silver filters were extracted with methylene chloride and anazlyed by GC/MS. Each sample chromatogram was searched for the eighteen different polynuclear aromatic hydrocarbons listed in the EPA Protocol. An internal standard was used to correct for percent recoveries. Results have been reported in µg/filter and are listed in Table II.

ANALYTICAL METHOD

Solvent Extraction
Gas Chromatography/Mass Spectrometry (GC/MS) (TSQ-Q-3)

TRC, INC.

Polynuclear Aromatic Hydrocarbons

(all results in µg/filter)

Lab Analysis #861242

TABLE II

Compound Name	AU-3	AI-3	AD-3	AI-3 (DUP)	AU-2
Naphthalene	NDLT* 0.017	2.08	NDLT* 0.056	NDLT* 0.019	NDLT* 0.012
Methylnaphthalenes (as naphthalene)	NDLT* 0.017	1.27	NDLT* 0.056	NDLT* 0.019	NDLT* 0.012
2-chloronaphthalene (as naphthalene)	NDLT* 0.017	NDLT* 0.011	NDLT* 0.056	NDLT* 0.019	NDLT* 0.012
Acenaphthylene	NDLT* 0.033	1.56	NDLT* 0.106	NDLT* 0.036	NDLT* 0.023
Acenaphthene	NDLT* 0.041	0.509	NDLT* 0.135	NDLT* 0.045	NDLT* 0.029
Fluorene	NDLT* 0.052	1.46	NDLT* 0.169	NDLT* 0.057	NDLT* 0.036
Phenanthrene	NDLT* 0.057	2.91	NDLT* 0.185	NDLT* 0.062	NDLT* 0.039
Anthracene	NDLT* 0.042	NDLT* 0.025	NDLT* 0.136	NDLT* 0.046	NDLT* 0.029
Fluoranthene	NDLT* 0.044	NDLT* 0.026	NDLT* 0.144	NDLT* 0.048	NDLT* 0.031
Pyrene	NDLT* 0.041	NDLT* 0.025	NDLT* 0.134	NDLT* 0.045	NDLT* 0.029
Benzo(a)Anthracene	NDLT* 0.052	NDLT* 0.031	NDLT* 0.171	NDLT* 0.057	NDLT* 0.036
Chrysene	NDLT* 0.040	NDLT* 0.024	NDLT* 0.132	NDLT* 0.044	NDLT* 0.028
Benzo(b)Fluoranthene	NDLT* 0.044	NDLT* 0.027	NDLT* 0.144	NDLT* 0.049	NDLT* 0.031
Benzo(k)Fluoranthene	NDLT* 0.046	NDLT* 0.028	NDLT* 0.150	NDLT* 0.050	NDLT* 0.032
Benzo(a)Pyrene	NDLT* 0.058	NDLT* 0.034	NDLT* 0.187	NDLT* 0.063	NDLT* 0.040
Indeno(1,2,3-Pyrene)	NDLT* 0.026	NDLT* 0.016	NDLT* 0.085	NDLT* 0.029	NDLT* 0.018
Dibenzo(a,h)Anthracene	NDLT* 0.036	NDLT* 0.021	NDLT* 0.117	NDLT* 0.039	NDLT* 0.025
Benzo(g,h,i)Perylene	NDLT* 0.032	NDLT* 0.019	NDLT* 0.106	NDLT* 0.035	NDLT* 0.022

*None detected at less than values

TRC, INC.

Polynuclear Aromatic Hydrocarbons

(all results in µg/filter)

Lab Analysis #861242

TABLE II, continued

Compound	AI-2	AD-2	AU-1	AI-1	AD-1
Naphthalene	NDLT* 0.018	NDLT* 0.030	NDLT* 0.016	NDLT* 0.011	NDLT* 0.022
Methylnaphthalenes (as naphthalene)	NDLT* 0.018	NDLT* 0.030	NDLT* 0.016	0.089	NDLT* 0.022
2-chloronaphthalene (as naphthalene)	NDLT* 0.018	NDLT* 0.030	NDLT* 0.016	NDLT* 0.011	NDLT* 0.022
Acenaphtylene	NDLT* 0.034	NDLT* 0.056	NDLT* 0.031	NDLT* 0.022	NDLT* 0.041
Acenaphthene	0.035	NDLT* 0.071	NDLT* 0.039	NDLT* 0.027	NDLT* 0.052
Fluorene	NDLT* 0.053	NDLT* 0.089	NDLT* 0.049	NDLT* 0.034	NDLT* 0.066
Phenanthrene	NDLT* 0.058	NDLT* 0.097	NDLT* 0.053	NDLT* 0.038	NDLT* 0.072
Anthracene	NDLT* 0.043	NDLT* 0.071	NDLT* 0.039	NDLT* 0.028	NDLT* 0.053
Fluoranthene	NDLT* 0.045	NDLT* 0.075	NDLT* 0.041	NDLT* 0.029	NDLT* 0.056
Pyrene	NDLT* 0.042	NDLT* 0.070	NDLT* 0.039	NDLT* 0.027	NDLT* 0.052
Benzo(a)Anthracene	NDLT* 0.054	NDLT* 0.090	NDLT* 0.049	NDLT* 0.034	NDLT* 0.066
Chrysene	NDLT* 0.042	NDLT* 0.069	NDLT* 0.038	NDLT* 0.027	NDLT* 0.051
Benzo(b)Fluorantene	NDLT* 0.046	NDLT* 0.076	NDLT* 0.042	NDLT* 0.029	NDLT* 0.056
Benzo(k)Fluorantene	NDLT* 0.047	NDLT* 0.079	NDLT* 0.043	NDLT* 0.031	NDLT* 0.058
Benzo(a)Pyrene	NDLT* 0.059	NDLT* 0.098	NDLT* 0.054	NDLT* 0.038	NDLT* 0.073
Indeno(1,2,3-cd)Pyrene	NDLT* 0.027	NDLT* 0.045	NDLT* 0.025	NDLT* 0.017	NDLT* 0.033
Dibenzo(a,h)Anthracene	NDLT* 0.037	NDLT* 0.061	NDLT* 0.034	NDLT* 0.024	NDLT* 0.046
Benzo(g,h,1)Perylene	NDLT* 0.033	NDLT* 0.055	NDLT* 0.030	NDLT* 0.021	NDLT* 0.041

*None detected at less than values

LABORATORY ANALYSIS REPORT

ANALYS'S NO.	CUSTOMER		LOCATION
861242 (19-297)	TRC, Inc.		E. Hartford, Conn.
SAMPLE SENT BY	**DATE RECEIVED**	**DATE REPORTED**	**ANALYST**
A. Zlotnick	8/7/86	9/22/86	MMc; JMM

MATERIAL ANALYZED

Tenax Samples; Silver Filters

SAMPLE NUMBER	TEST RESULTS
	Hexane as Benzene
	1-H-indene as Toluene
	1,3,5-Trimethyl Benzene 1,3-Dimethyl-3-Butenyl Benzene 1-Methyl Ethyl Benzene 1-Ethyl-4-Methyl Benzene as Xylene

ANALYTICAL METHOD

C-1545C NEW 1-72 PRINTED IN U.S.A.

CALCULATION OF AIR CONCENTRATIONS

The values reported by Travelers Insurance Companies on the previous sheets are expressed as µg/tube for a given compound. IN order to convert these values to concentrations in air, the volume of air pumped through each tube must be calculated. The units of concentration will be mg/M^3 rather than ppm because ppm is a volume/volume ratio so it can only be used for gases or volatile liquids in air - not particulates. Each pump was calibrated to pump 100 cubic centimeters (cc) of air per minute. The elapsed pumping time multiplied by 100 cc/min gives the total volume pumped. Table G-1 shows the cumulative volumes pumped for each pump on each day.

The conversion equation is:

$$\text{Concentration } (mg/m^3) = \frac{\text{Mass } \left(\frac{\mu g}{\text{tube}}\right)}{1{,}000 \left(\frac{\mu g}{mg}\right)} \div \frac{\text{elapsed time (min) x 100 (cc/min)}}{10^6 \ (cc/m^3)}$$

TABLE G-1

VOLUMES OF AIR PUMPED

Tenax Tubes

Sample ID:	AU-1	AI-1	AD-1	AU-3	AI-3	AD-3	AU-2	AI-2	AD-2
Volume (m^3):	0.0355	0.0220	0.036	0.0528	0.0522	0.0495	0.0489	0.0426	0.0492

Glass Fiber Filters

Sample ID:	AU-1	AI-1	AD-1	AU-3	AI-3	AD-3	AU-2	AI-2	AD-2
Volume (m^3):	0.0355	0.0220	0.036	0.0528	0.0522	0.0495	0.0489	0.0426	0.0492

TRC

Environmental Consultants

- East Hartford, CT
  (203) 289-8631
- Los Angeles, CA
  (714) 581-6860
- Denver, CO
  (303) 792-5555
- Washington, DC
  (202) 337-0307
- Somerset, NJ
  (201) 563-1100
- Seattle, WA
  (206) 485-2992

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