APPENDIX C

Onshore Boring Logs and Well Construction Diagrams

859510

KEY

Sample Interval

Portion of Sample Saved for Archive or Analysis: ("g" = geotechnical; "e" = environmental) → g/e

102 ← Blows Required to Drive Sampler 1 Foot

a1 ← Sampler and Hammer Information:
- a = 2.42-in. I.D. Split Spoon Sampler
- b = 2.0-in. O.D. Split Spoon Sampler (spt)
- c = Shelby Tube Sampler
- 1 = Driven with 300-lb. Hammer Falling 30 Inches
- 2 = Driven with 140-lb. Hammer Falling 30 Inches
- 3 = Pushed

Sample Recovery (Symbol indicates percentage recovered, not location of recovery)

Indicates Sample Attempt with No Recovery

7/25/91 ← Approximate Water Elevation at Low Tide

SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GRAPHIC SYMBOL	LETTER SYMBOL(1)	TYPICAL DESCRIPTIONS (2)(3)
COARSE-GRAINED SOIL (More than 50% of material is larger than #200 sieve size)	GRAVEL AND GRAVELLY SOIL (More than 50% of coarse fraction retained on #4 sieve)	CLEAN GRAVEL (Little or no fines)		GW	Well-graded gravel; gravel/sand mixture(s); little or no fines
				GP	Poorly-graded gravel; gravel/sand mixture(s); little or no fines
		GRAVEL WITH FINES (Appreciable amount of fines)		GM	Silty gravel; gravel/sand/silt mixture(s)
				GC	Clayey gravel; gravel/sand/silt mixture(s)
	SAND AND SANDY SOIL (More than 50% of coarse fraction passed through #4 sieve)	CLEAN SAND (Little or no fines)		SW	Well-graded sand; gravelly sand; little or no fines
				SP	Poorly-graded sand; gravelly sand; little or no fines
		SAND WITH FINES (Appreciable amount of fines)		SM	Silty sand; sand/silt mixture(s)
				SC	Clayey sand; sand/clay mixture(s)
FINE-GRAINED SOIL (More than 50% of material is smaller than #200 sieve size)	SILT AND CLAY (Liquid Limit less than 50)			ML	Inorganic silt and very fine sand; rock flour; silty- or clayey-fine sand or clayey silt with slight plasticity
				CL	Inorganic clay of low to medium plasticity; gravelly clay; sandy clay; silty clay; lean clay
				OL	Organic silt; organic, silty clay of low plasticity
	SILT AND CLAY (Liquid Limit greater than 50)			MH	Inorganic silt; micaceous or diatomaceous fine sand or silty soil
				CH	Inorganic clay of high plasticity; fat clay
				OH	Organic clay of medium to high plasticity; organic silt
HIGHLY ORGANIC SOIL				PT	Peat; humus; swamp soil with high organic content

Notes:
1. Dual letter symbols (i.e., SM-SP) for a sand or gravel indicate a soil with an estimated 5-15% fines. Multiple letter symbols (i.e., ML/CL) indicates borderline or multiple soil classifications. Only the first letter symbol's respective pattern is shown on logs.
2. Soil descriptions shown on logs use the terminology and general approach for the *Visual-Manual Procedure, Description and Identification of Soils*, as outlined in ASTM D 2488.
3. Soil descriptions (which are based on estimated values) are as follows: Primary Soil Type(s) - i.e., "GRAVEL", "SAND", "SILT", "CLAY", etc.
   Secondary Soil Type(s) (>15%) - i.e., "gravelly", "sandy", "clayey", etc.
   Modifier(s) (>5% and ≤15%) - i.e., "with gravel", "with sand", "with clay", etc.
   Minor Component(s) (≤5%) - i.e., "trace gravel", "trace sand", "trace clay", etc.

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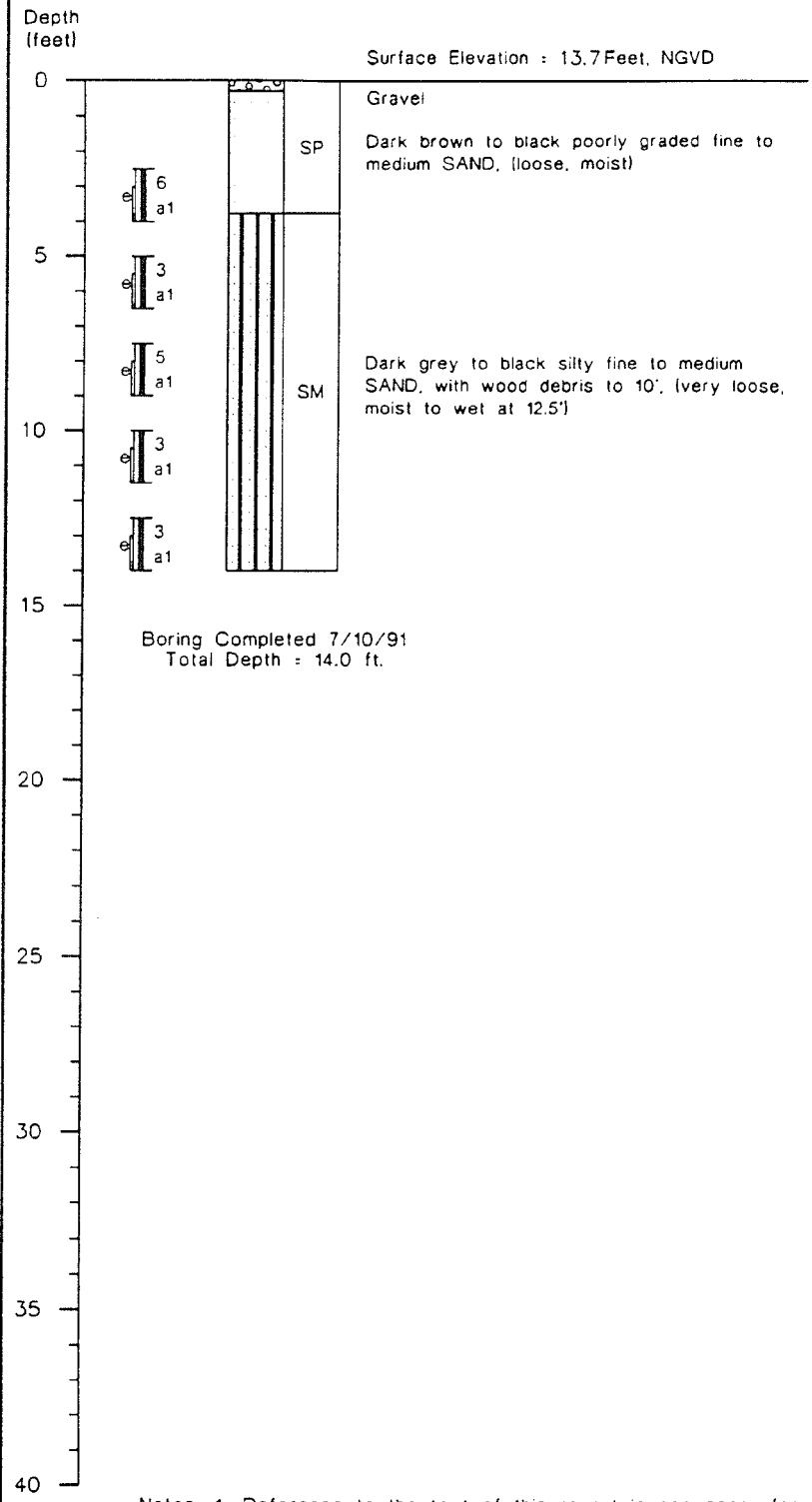
Key to Borings and Soil Classification System | Figure C-1

Boring BN-A1
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-A1 | Figure C-2

Boring BN-A3
Soil Profile

Depth (feet)

Surface Elevation = 14.8 Feet, NGVD

0 — Concrete Pavement

ML — Dark grey to black SILT, trace organic debris, (medium stiff, moist)

e 7 a1

5 — e 5 a1

SM — Dark grey-brown silty fine to medium SAND (loose, moist)

e 6 a1

ML — Dark brown-green SILT with fine roots (medium stiff, moist)

10 — e 5 a1

SM — Dark grey-brown silty fine to medium SAND, (very loose to loose, moist to wet at 12.5')

e 13 a1

15

Boring Completed 7/10/91
Total Depth = 14.0 ft.

20

25

30

35

40

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-A3 | Figure C-3

Well MW-A4

Soil Profile

Surface Elevation = 15.2 Feet, NGVD

Depth (feet)

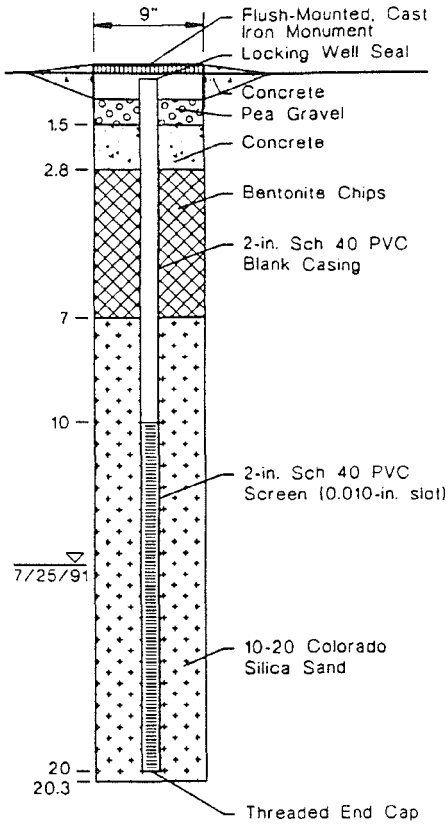
0, 5, 10, 15, 20, 25, 30, 35, 40

Symbol	Description
SM	Brown fine SAND with silt (very loose, moist)
ML	Very dark grey SILT with sand (medium stiff, moist)
SP	Dark to very dark grey with trace brown fine to medium SAND, trace silt and coarse sand, (loose, moist)
ML	Dark brownish grey SILT, trace fine to medium sand, (medium stiff, moist)
SP	Very dark grey fine to medium SAND, 1/2" lense of grey brown silt at 21', (loose, wet)

e 7 a2; e 17 a2; e 12 a2; e 10 a2; e 21 a2; e 17 a2

Boring Completed 7/3/91
Total Depth = 21.5 ft.

Construction Diagram



Well Completed 7/3/91
Elevation at Top of PVC Casing = 14.99 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-A4 | Figure C-4

Boring BN-A5
Soil Profile

Depth (feet)

Surface Elevation = 15.1Feet, NGVD

0
5
10
15
20
25
30
35
40

e 2 a1
e 4 a1
e 2 a1
e 5 a1
e 4 a1

SP — Brown to dark brown fine to medium SAND, trace silt and roots to 1/4" thick, 1/4" silt lense at 4', (very loose, moist)

ML — Brown to dark brown with red mottling SILT, trace threadsize roots, (very soft, moist)

SM — Dark grey-brown silty fine to medium SAND, (very loose, moist to wet)

Boring Completed 7/10/91
Total Depth = 14.0 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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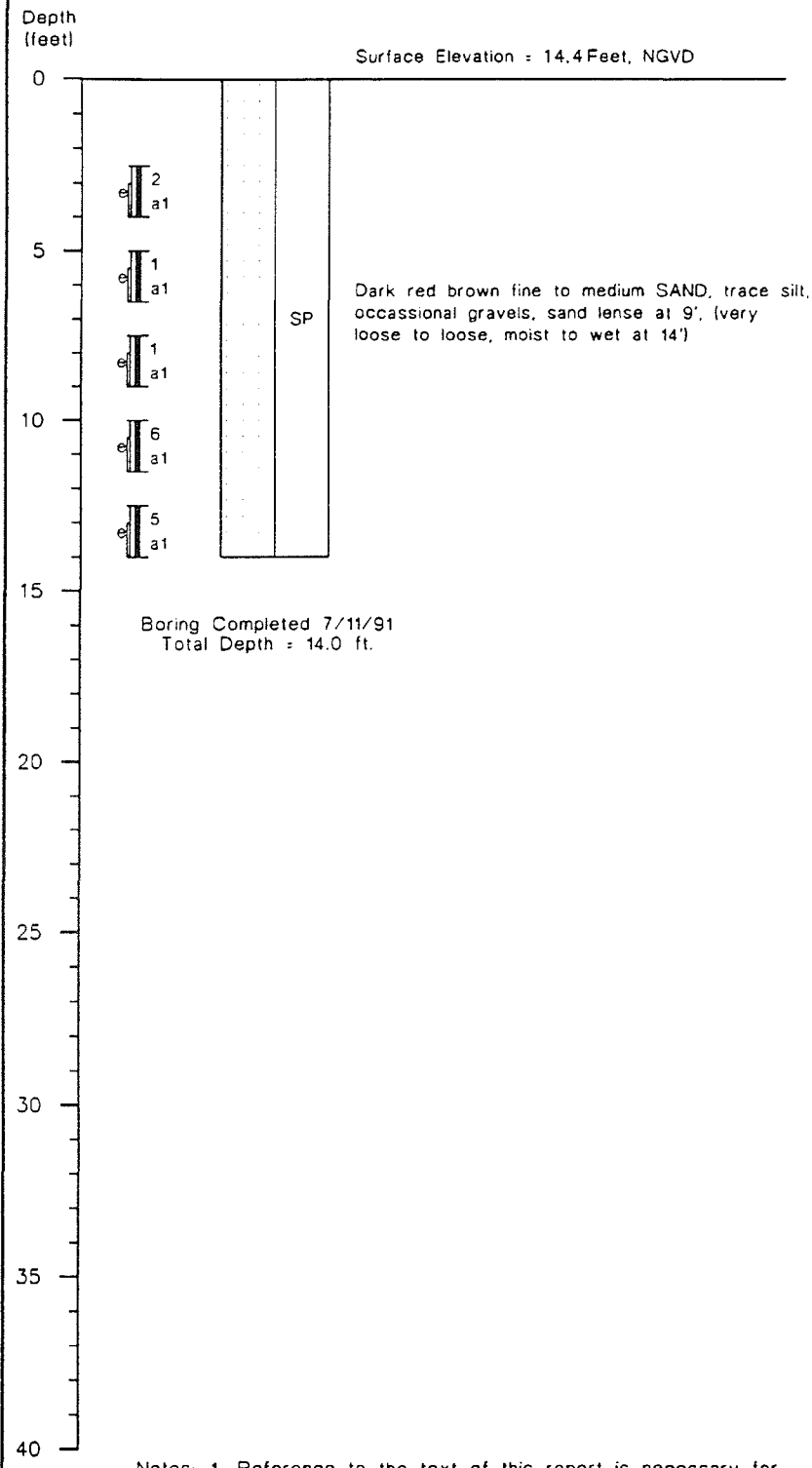
Log of Soil Boring BN-A5 | Figure C-5

Boring BN-A6
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-A6 | Figure C-6

Boring BN-A7
Soil Profile

Depth (feet)

Surface Elevation = 14.4 Feet, NGVD

0 — Asphalt Pavement

SP — Dark red-brown poorly gaded fine to medium SAND, trace silt, occassional silt lense, (loose, moist)

SM — Dark red-brown silty fine to medium SAND (very loose, moist)

SP — Dark red-brown fine to medium SAND (loose, moist to wet at 12.5')

e 7 a1
e 3 a1
e 2 a1
e 7 a1
e 6 a1

5
10
15
20
25
30
35
40

Boring Completed 7/11/91
Total Depth = 14.0 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-A7 | Figure C-7

Boring BN-A8
Soil Profile

Depth (feet)

Surface Elevation = 15.4 Feet, NGVD

0, 5, 10, 15, 20, 25, 30, 35, 40

Sample	Soil Type	Description
e 10 a1	SP	Brown fine to medium SAND, occassional gravel, (loose, moist)
e 4 a1		
e 4 a1	ML	Brown with red mottling SILT, trace root fragments, (soft, moist)
e 4 a1	SM	Grey-brown with red mottling silty fine SAND, (very loose, moist)
e 7 a1	ML	Grey-brown with red mottling SILT, trace sand, (medium stiff, moist)
e 9 a1	SP	Grey-brown to brown fine to medium SAND, trace silt, (loose, wet)

Boring Completed 7/10/91
Total Depth = 16.5 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-A8 | Figure C-8

Well MW-A9

Soil Profile

Surface Elevation = 14.5 Feet, NGVD

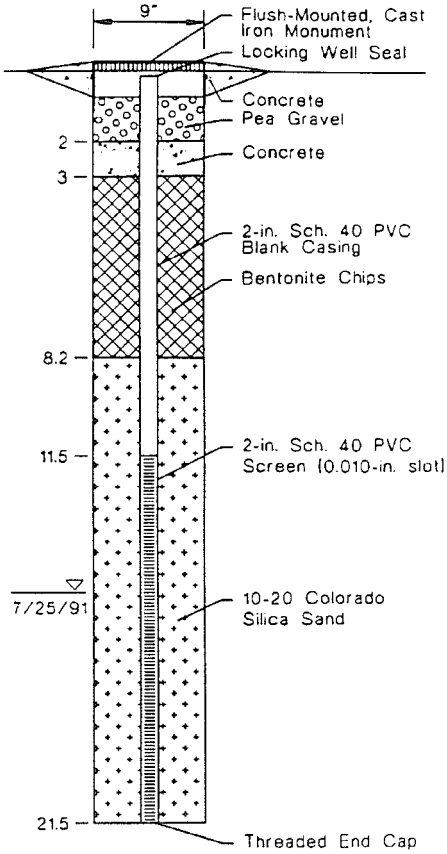
Depth (feet)

0, 5, 10, 15, 20, 25, 30, 35, 40

Sample	Soil Type	Description
30 a2	SP	Brown fine to medium SAND, (medium dense, moist)
14 a2		
13 a2	ML	Grey-brown with red mottling SILT, with fine sand, (stiff, moist)
22 a2	SM	Brown with red mottling silty fine SAND, (loose, moist)
26 a2	SW	Dark brown fine to coarse SAND, fine yellow brown silt lense around 20', (medium dense, moist)
28 a2		

Boring Completed 7/12/91
Total Depth = 21.5 ft.

Construction Diagram



Well Completed 7/12/91
Elevation at Top of PVC Casing = 14.25 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-A9 | Figure C-9

Well MW-B1A

Soil Profile

Surface Elevation = 15.6 Feet, NGVD

Depth (feet): 0, 5, 10, 15, 20, 25, 30, 35, 40

Symbol	Depth	Description
ML	0–3	Dark grey SILT with roots and sticks, (medium stiff)
SP	3–10	Dark grey fine to medium SAND, trace silt, (medium dense)
SM	10–16.7	Dark grey silty fine to medium SAND, (loose)
ML	16.7–17	Grey SILT, (medium stiff)
SM	17–18.5	Dark grey silty fine to medium SAND, (loose)
ML	18.5	Grey SILT, (stiff)

Samples: e 8 a2; e 19 a2; e 36 a2; e 12 a2; e 8 a2; 12 a2

Boring Completed 7/11/91
Total Depth = 18.5 ft.

Construction Diagram

9"

- Flush-Mounted, Cast Iron Monument
- Locking Well Seal
- Concrete
- Pea Gravel
- Concrete (1.5)
- Bentonite Chips (3)
- 2-in. Sch. 40 PVC Blank Casing (5)
- 7/25/91 (6.7)
- 2-in. Sch. 40 PVC Screen (0.010-in. slot)
- 10-20 Colorado Silica Sand
- Threaded End Cap (16.7, 17)
- Native Material (18.5)

Well Completed 7/11/91
Elevation at Top of PVC Casing = 15.15 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-B1A | Figure C-10

Well MW-B1B

Soil Profile

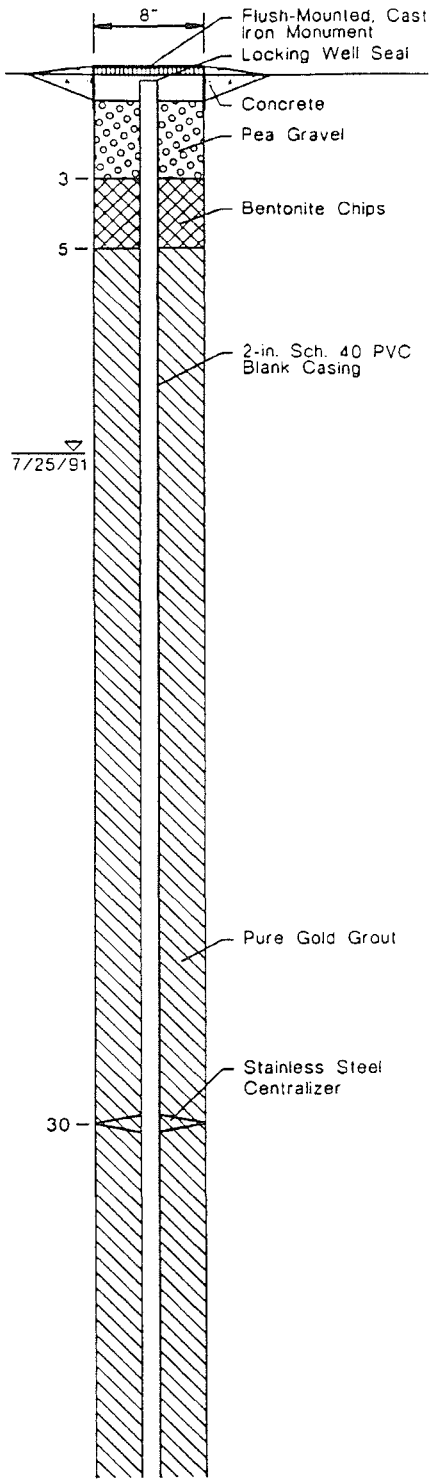
Surface Elevation : 15.1Feet, NGVD

Depth (feet)		
0	ML	Dark grey SILT with roots and sticks, (medium stiff)
5	SP	Dark grey fine to medium SAND, trace silt, (medium dense)
10	SM	Dark grey silty fine to medium SAND, (medium dense)
15	ML	Grey SILT, (medium stiff)
	SM	Dark grey silty fine to medium SAND, (medium dense)
20	ML	Grey SILT, (stiff)
25	SM	Grey fine silty SAND with clay and organics
30	SP	Dark grey fine SAND, trace silt and organics, (medium dense, moist to wet)
35		
40		

e 42 a1

(Continued on next page)

Construction Diagram



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Log of Monitoring Well MW-B1B

Figure C-11 (1 of 3)

Well MW-B1B

Soil Profile

Depth (feet)

40
45
50
55
60
65
70
75
80

7 ef a1
8 a1
11 ef a1

SP — Dark grey fine SAND, trace silt and organics, (medium dense, moist to wet)

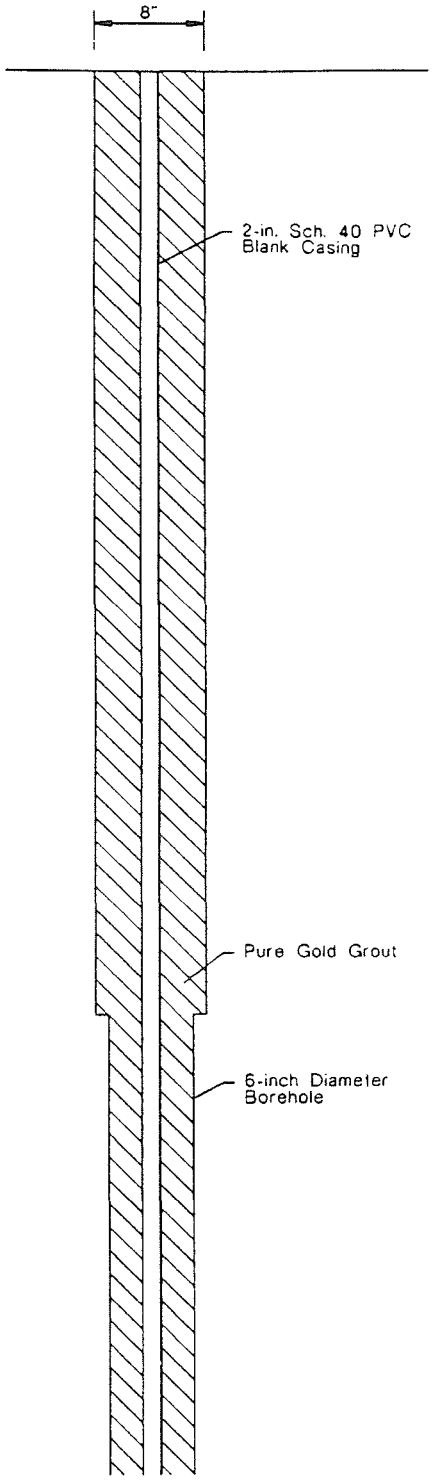
SM — Dark grey silty fine SAND with clay and thin beds (1/4") of grey clayey SILT, (very loose, moist to wet)

ML — Dark grey clayey SILT with fine sand

ML/CL — Dark grey silty CLAY with grey clayey SILT and fine sandy SILT, (medium stiff, moist)

(Continued on next page)

Construction Diagram



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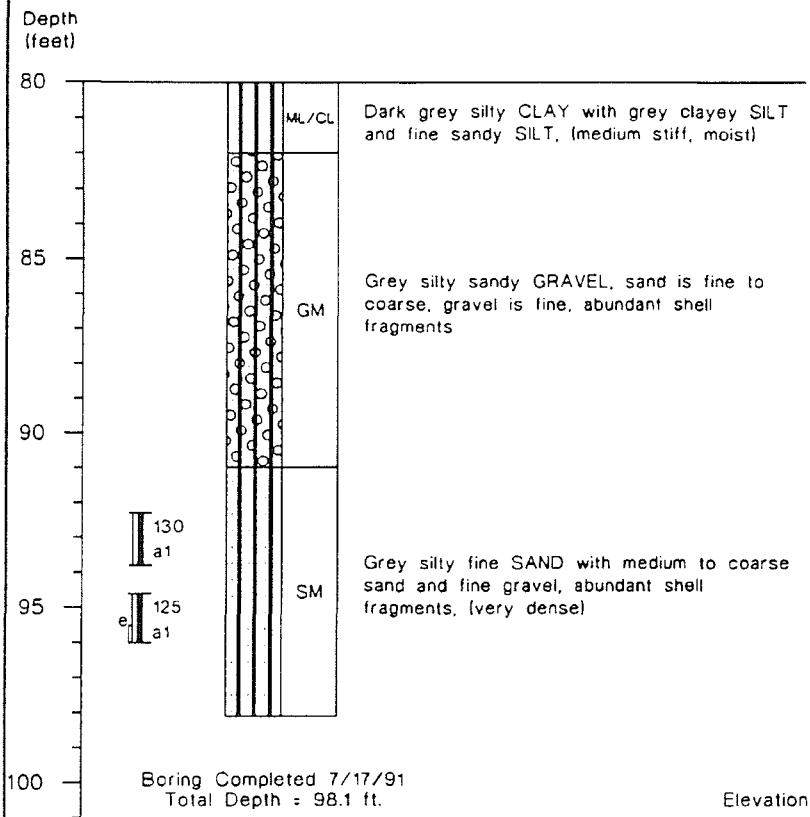
Log of Monitoring Well MW-B1B

Figure C-11 (2 of 3)

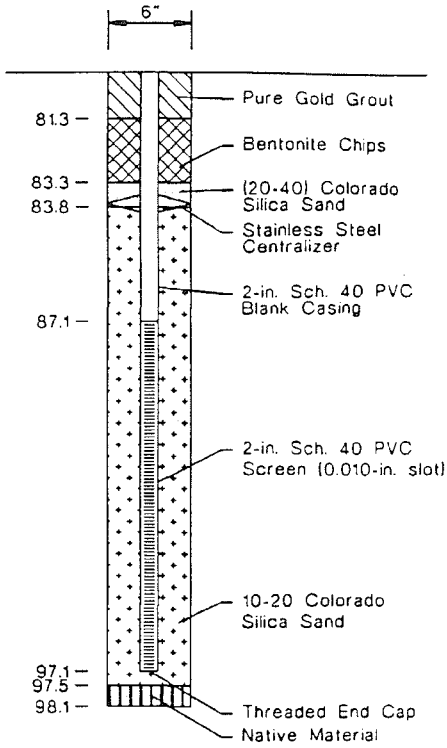
Well MW-B1B

Soil Profile



Boring Completed 7/17/91
Total Depth = 98.1 ft.

Construction Diagram



Well Completed 7/19/91
Elevation at Top of PVC Casing = 14.75 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-B1B

Figure C-11 (3 of 3)

Well MW-B2

Soil Profile

Depth (feet)

Surface Elevation = 14.1Feet, NGVD

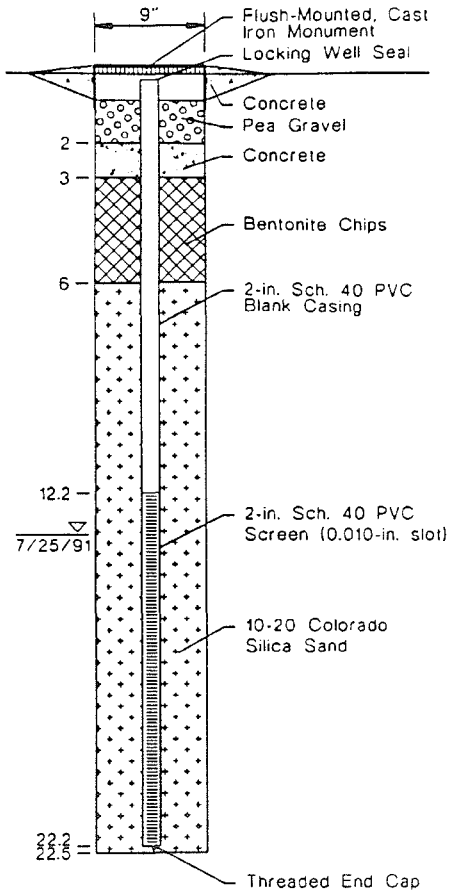
0 — Concrete Pavement

Sample	Soil Type	Description
e 24 a2	ML	Dark grey-green SILT, (stiff)
e 19 a2	SM	Dark grey silty fine SAND, (loose)
e 11 a2	ML	Grey to black SILT with roots, (medium stiff)
e 3 a2	SM/ML	Grey silty fine SAND to fine sandy SILT, (very loose/soft)
e 19 a2	ML	Brown SILT,with roots and grass, (stiff)
e 43 a2	SM	Dark grey silty fine SAND, (medium dense)

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35, 40

Boring Completed 7/11/91
Total Depth = 21.5 ft.

Construction Diagram



Well Completed 7/11/91
Elevation at Top of PVC Casing = 13.88 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-B2 | Figure C-12

Boring BN-B3
Soil Profile

Depth (feet)

Surface Elevation = 14.2 Feet, NGVD

0 — Asphalt Pavement

5 — Black fine to medium SAND, trace silt, fine gravel, and organic debris, (medium dense except at 3'- dense, wet throughout)

10

15

20

25

30

35

40

SP

e 62 a2

e 27 a2

e 20 a2

e 13 a2

Boring Completed 7/18/91
Total Depth = 11.5 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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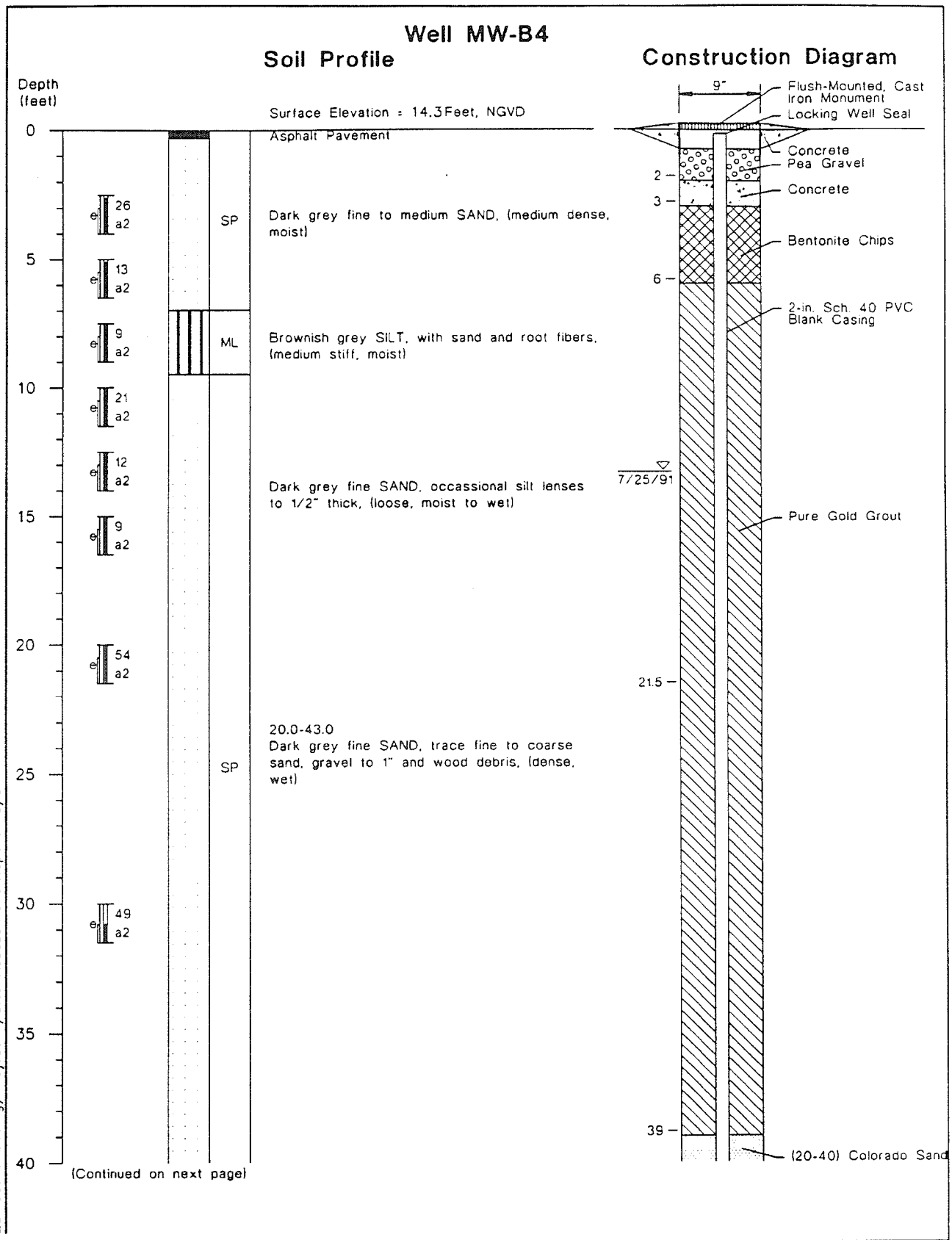
Log of Soil Boring BN-B3 | Figure C-13



Log of Monitoring Well MW-B4

Figure C-14 (1 of 2)

Well MW-B4

Soil Profile

Depth (feet)

40 45 50 55 60 65 70 75 80

e 40 a2

e 88 a2

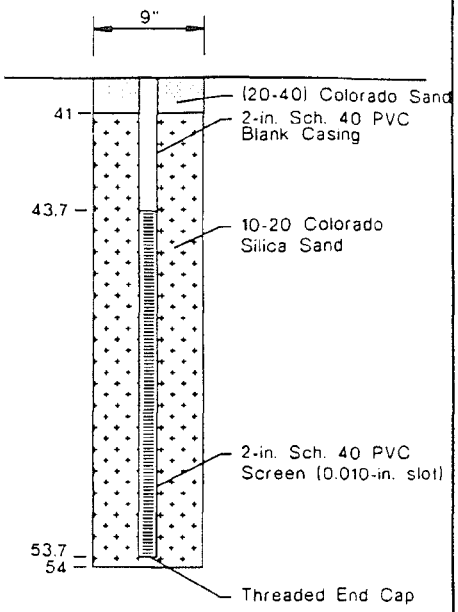
e 31 a2

SP — Dark grey fine SAND, trace fine to coarse sand, gravel to 1" and wood debris, (medium dense, wet)

SM — Dark grey silty fine to medium SAND, with a lense of SILT with fine sand, (dense, wet)

Boring Completed 7/10/91
Total Depth = 54.0 ft.

Construction Diagram



Well Completed 7/10/91
Elevation at Top of PVC Casing = 13.81 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-B4

Figure C-14 (2 of 2)

Well MW-B5

Soil Profile

Depth (feet)

Surface Elevation = 14.1Feet, NGVD

0 — Concrete Pavement

SP — Dark grey fine to medium SAND, (loose)

ML — Dark grey with black mottling, clayey SILT, (stiff to very stiff)

SP — Very dark grey fine to medium SAND, (medium dense)

e 16 a2 (2.5–3.5)
e 9 a2 (5.5–6.5)
e 7 a2 (8.5–9.5)
e 18 a2 (11.5–12.5)
e 25 a2 (15.5–16.5)
e 27 a2 (20.5–21.5)

Boring Completed 7/11/91
Total Depth = 21.5 ft.

Construction Diagram

9"

Flush-Mounted, Cast Iron Monument
Locking Well Seal
Concrete
Pea Gravel
Concrete
2-in. Sch. 40 PVC Blank Casing
Bentonite Chips
Bentonite Pellets
2-in. Sch. 40 PVC Screen (0.010-in. slot)
10-20 Colorado Silica Sand
Threaded End Cap

2.5
3
7/25/91
15
16
17.7
22.7
23

Well Completed 7/11/91
Elevation at Top of PVC Casing = 13.85 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-B5 | Figure C-15

Well MW-B6

Soil Profile

Depth (feet)

Surface Elevation = 14.1Feet, NGVD

0 — Gravel

Brown fine to medium SAND and Brown with red mottling fine to medium SAND with silt (medium dense, moist) — SP/SM

Grey, black and olive brown layered SILT with organic debris, trace fine sand at 11', (stiff, wet), reducing odor — ML

Dark grey to black fine to medium SAND, (medium dense, wet) — SP

e 47 a2 (3.5)
e 18 a2 (5.5)
e 16 a2 (8.5)
e 10 a2 (11.5)
e 49 a2 (15.5)
e 54 a2 (23.5)

0, 5, 10, 15, 20, 25, 30, 35, 40

Boring Completed 7/12/91
Total Depth = 24.0 ft.

Construction Diagram

9"

Flush-Mounted, Cast Iron Monument
Locking Well Seal
Concrete
Pea Gravel
Concrete
2-in. Sch. 40 PVC Blank Casing
Bentonite Chips
2-in. Sch. 40 PVC Screen (0.010-in. slot)
10-20 Colorado Silica Sand
Native Material
Threaded End Cap

2
3
9.5
13
7/25/91
23
24

Well Completed 7/12/91
Elevation at Top of PVC Casing = 13.82 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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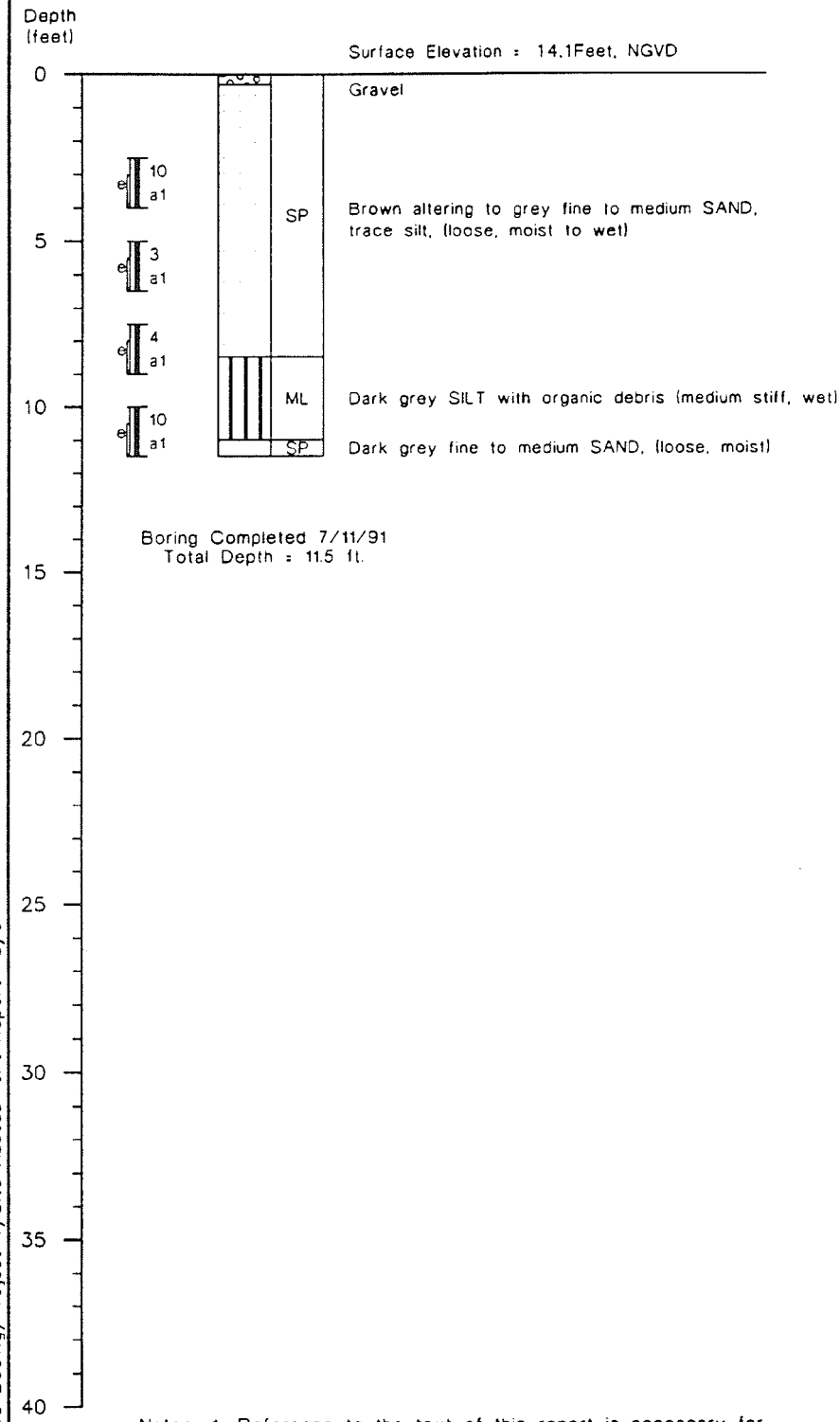
Log of Monitoring Well MW-B6 | Figure C-16

Boring BN-B7

Soil Profile



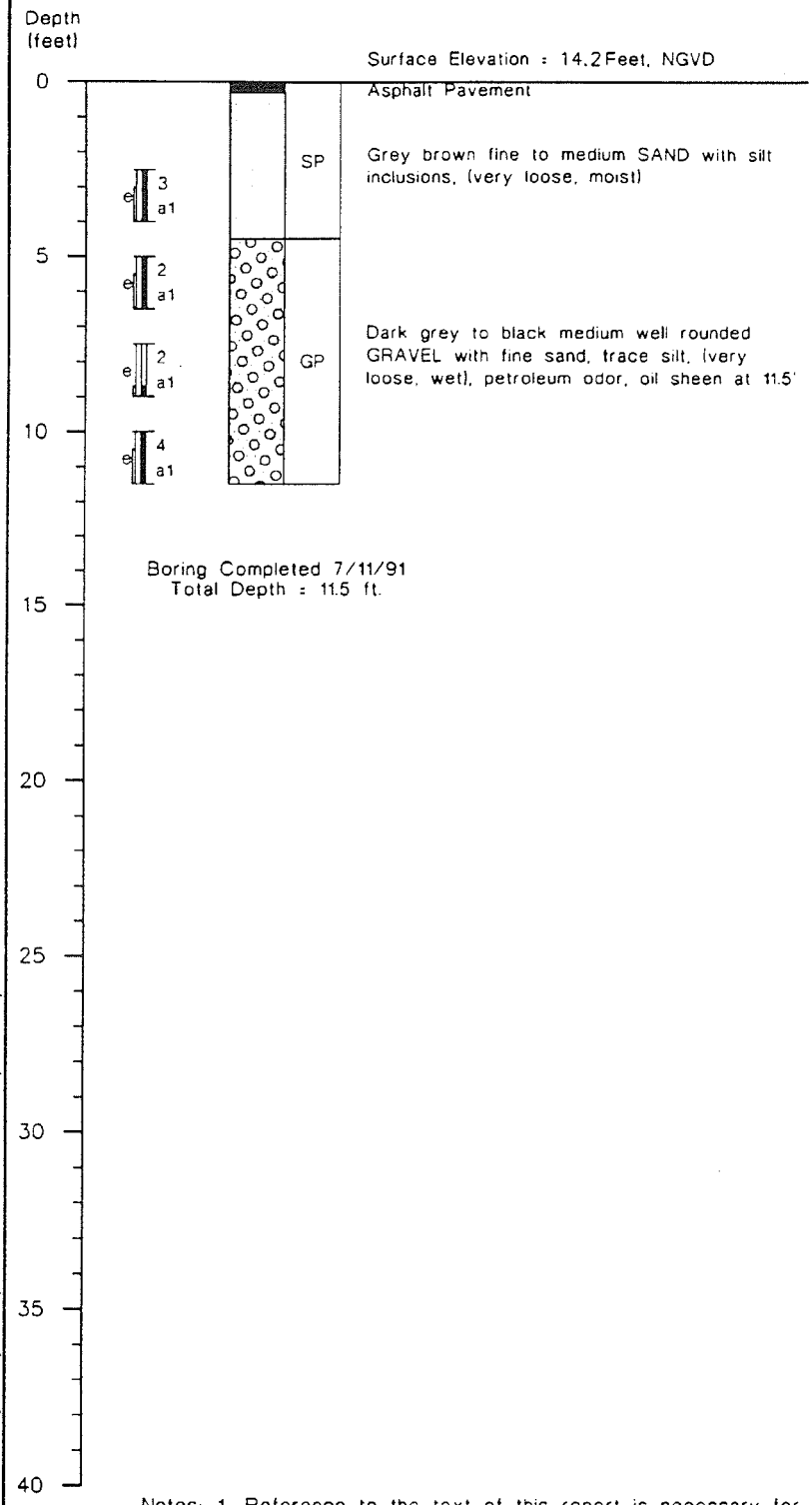
Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-B7 | Figure C-17

Boring BN-B8
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-B8 | Figure C-18

Boring BN-B9

Soil Profile

Depth (feet)

Surface Elevation = 14.4 Feet, NGVD

0

Asphalt Pavement

SP/SM — Dark grey to black fine to medium SAND and Dark grey to black fine silty SAND, (medium dense, moist)

e 20 a2

5

e 21 a2

SP — Dark grey to black fine to medium SAND, (medium dense, wet)

e 11 a2

SM — Dark grey to black fine silty SAND, (loose, wet)

10

e 8 a2

SP — Black fine to medium SAND, (loose, wet)

ML — Black SILT with root fragments, (medium stiff, wet)

Boring Completed 7/18/91
Total Depth = 11.5 ft.

15

20

25

30

35

40

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-B9 | Figure C-19

Boring BN-B10
Soil Profile

Depth (feet)

Surface Elevation : 15.3 Feet, NGVD

0

Asphalt Pavement

ML — Dark grey SILT with organic debris, (medium stiff, moist)

e 6 a1

5

e 5 a1

SP — Dark grey fine to medium SAND, trace silt, (very loose, moist), petroleum odor

e 3 a1

ML — Brown SILT with sand, (soft, wet)

10

Boring Completed 7/11/91
Total Depth : 9.0 ft.

15

20

25

30

35

40

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-B10 | Figure C-20

Boring BN-B11
Soil Profile

Depth (feet)

Surface Elevation = 14.6 Feet, NGVD

0 — Asphalt Pavement

5 — SP — Dark red brown fine to medium SAND, (very loose, wet)

10 — ML — Black SILT, trace sand and thread sized roots, (very soft, wet)

15

20

25

30

35

40

e 5 a1

e 2 a1

e 2 a1

Boring Completed 7/11/91
Total Depth = 9.0 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-B11 | Figure C-21

Boring BN-B12
Soil Profile

Depth (feet)

Surface Elevation : 14.7 Feet, NGVD

0 — Gravel

ML — Yellow brown with red mottling SILT, with fine sand and organic debris, (stiff, moist)

SP/SM — Grey fine SAND and grey fine silty SAND, (loose, moist)

ML — Grey brown SILT, trace clay (stiff, moist)

CL — Grey with olive and black mottling CLAY with silt, (stiff, moist), reducing odor

SP — Grey fine SAND, trace silt, gravel and clay ripups, (medium dense, moist to wet)

5 — 10 — 15 — 20 — 25 — 30 — 35 — 40

e 18 a2
e 12 a2
e 11 a2
e 23 a2
e 28 a2

Boring Completed 7/16/91
Total Depth : 14.0 ft.

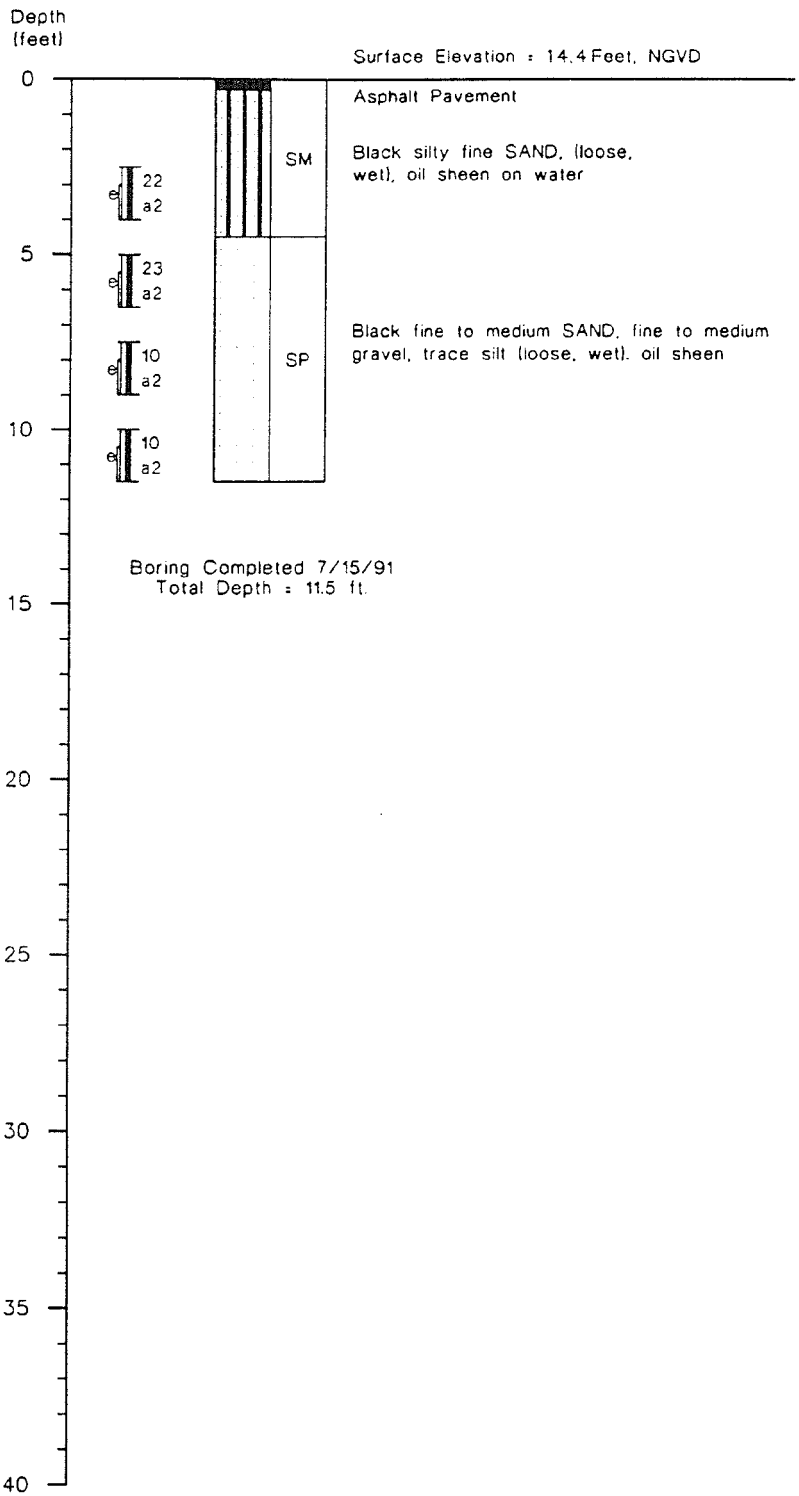
Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-B12 | Figure C-22

Boring BN-B13
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-B13 | Figure C-23

Boring BN-B14
Soil Profile

Depth (feet)

Surface Elevation = 15.3 Feet, NGVD

0 — Asphalt Pavement

SP — Brown fine to medium SAND, trace fine gravel (loose, moist to wet at 2.5')

ML — Grey and black SILT with fine sand and organic debris, (very stiff, wet), reducing odor

SM — Black silty fine SAND, trace medium gravel, (loose, wet)

e 24 a2

e 29 a2

e 19 a2

e 6 a2

Boring Completed 7/15/91
Total Depth = 11.5 ft.

0, 5, 10, 15, 20, 25, 30, 35, 40

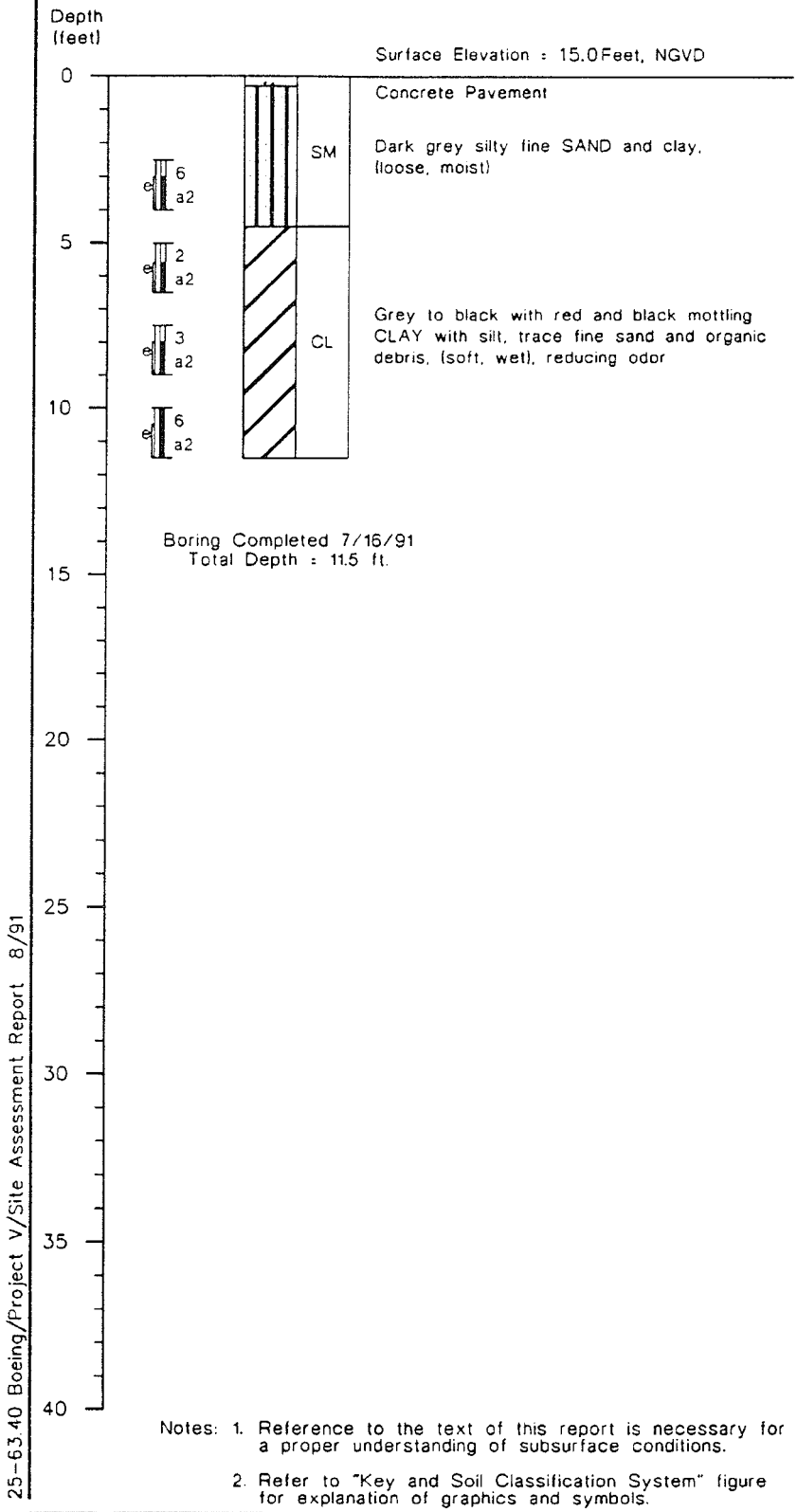
Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-B14 | Figure C-24

Boring BN-B15
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-B15 | Figure C-25

Well MW-C1

Soil Profile

Depth (feet)

Surface Elevation = 14.9 Feet, NGVD

0 — Asphalt Pavement

SP — Brown fine to medium SAND, trace silt, (medium dense, moist to wet)

ML — Dark grey and black SILT with organic debris, trace fine sand, (stiff, moist to wet)

SP — Dark grey fine to medium SAND, trace silt, (medium dense, moist)

SM/ML — Grey silty fine SAND and grey SILT with fine sand, (medium dense/medium stiff, moist to wet)

SW — Dark grey fine to coarse SAND with occassional grey clay ripups, (dense, wet)

35 a2 (5)

14 a2 (5)

23 a2 (5)

24 a2 (5)

52 a2 (5)

90/11" a2 (5)

5, 10, 15, 20, 25, 30, 35, 40

Boring Completed 7/15/91
Total Depth = 23.0 ft

Construction Diagram

9"

Flush-Mounted, Cast Iron Monument

Locking Well Seal

Concrete

Pea Gravel

Concrete

1.5

3

2-in. Sch. 40 PVC Blank Casing

Bentonite Chips

10

7/25/91

13

10-20 Colorado Silica Sand

2-in. Sch. 40 PVC Screen (0.010-in. slot)

23

Threaded End Cap

Well Completed 7/15/91
Elevation at Top of PVC Casing = 14.71 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Monitoring Well MW-C1 | Figure C-26

Boring BN-C2
Soil Profile

Depth (feet)

Surface Elevation : 15.4 Feet, NGVD

0
5
10
15
20
25
30
35
40

e 29 a2
e 16 a2
e 15 a2
e 22 a2

SM — Dark grey to black silty fine SAND and organic debris, (medium dense, moist to wet) reducing odor

ML — Grey brown and grey with black mottling SILT trace fine sand and organic debris, (stiff, wet), reducing odor

SP — Brown and grey fine to medium SAND, trace silt, (loose, wet)

Boring Completed 7/16/91
Total Depth : 11.5 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-C2 | Figure C-27

Boring BN-C3
Soil Profile

Depth (feet)

Surface Elevation = 14.6 Feet, NGVD

0
5
10
15
20
25
30
35
40

e 12 a2
e 6 a2
e 10 a2
e 11 a2
e 44 a2

SM — Dark grey fine silty SAND, (loose dense, moist)

SP/ML — Dark brown fine to medium SAND and brown with red mottling SILT with fine sand, (loose/medium stiff, moist)

SW — Dark brown fine to coarse SAND with yellow brown silt ripups, (medium dense, moist to wet)

Boring Completed 7/16/91
Total Depth = 14.0 ft.

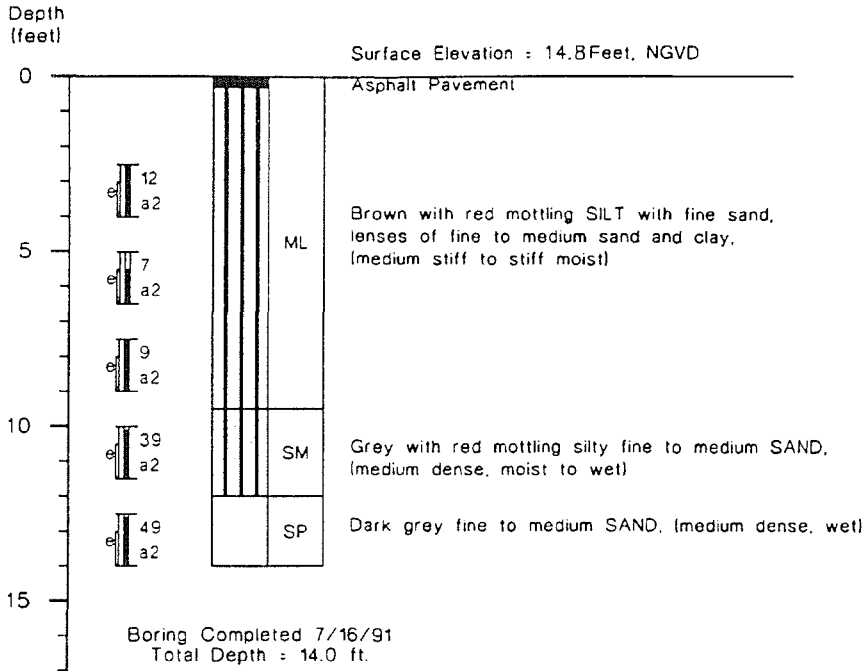
Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-C3 | Figure C-28

Boring BN-D1
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-D1 | Figure C-29

Boring BN-D2
Soil Profile

Depth (feet)

Surface Elevation = 14.7 Feet, NGVD

0
5
10
15
20
25
30
35
40

e 29 a2
e 15 a2
e 12 a2
e 29 a2
e 22 a2

SP — Brown fine to medium SAND, trace gravel, (medium dense, moist)

CL — Grey with black mottling CLAY, trace silt, (stiff, moist to wet)

SM — Grey fine SAND with silt, black fine banding and lenses of grey brown fine to coarse sand with silt and gravel, (medium dense, moist to wet)

SP — Dark grey fine to medium SAND, (loose, wet)

Boring Completed 7/15/91
Total Depth = 14.0 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-D2 | Figure C-30

Boring BN-D4
Soil Profile

Depth (feet)

Surface Elevation : 13.6 Feet, NGVD

0
5
10
15
20
25
30
35
40

e 28 a2
e 4 a2
e 9 a2
e 75 a2

SP — Brown fine to medium SAND, trace silt and fine gravel, occassional wood fragments, (medium dense, moist)

ML — Grey brown SILT with clay, fine sand, black angular fragments and roots, (soft to medium stiff, moist to wet)

SW — Dark grey with red mottling fine to coarse SAND, (dense, wet)

Boring Completed 7/17/91
Total Depth : 11.5 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

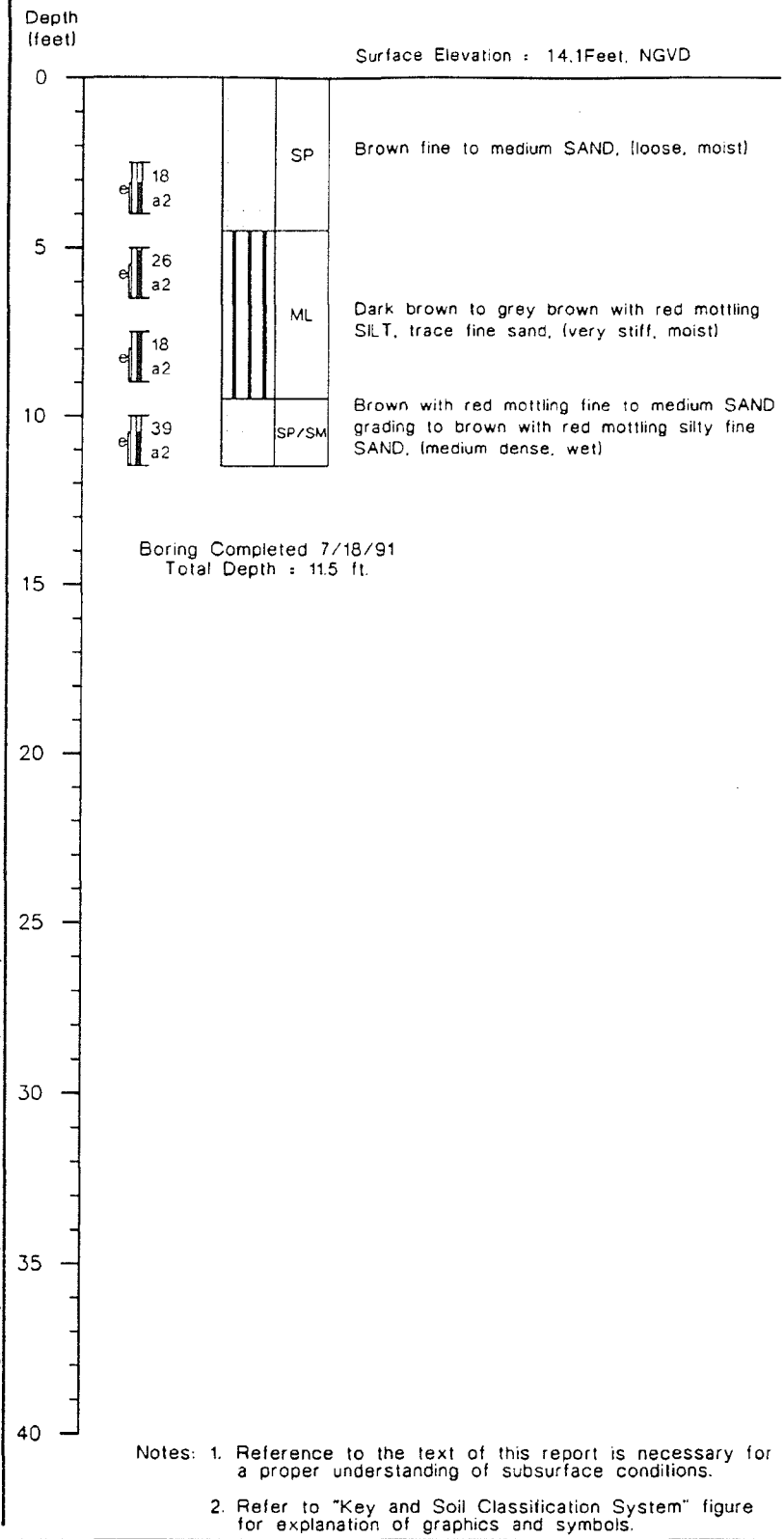
2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-D4 | Figure C-31

Boring BN-E2
Soil Profile

Surface Elevation : 14.1Feet, NGVD



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-E2 | Figure C-32

Well MW-E3

Soil Profile

Surface Elevation = 14.6 Feet, NGVD

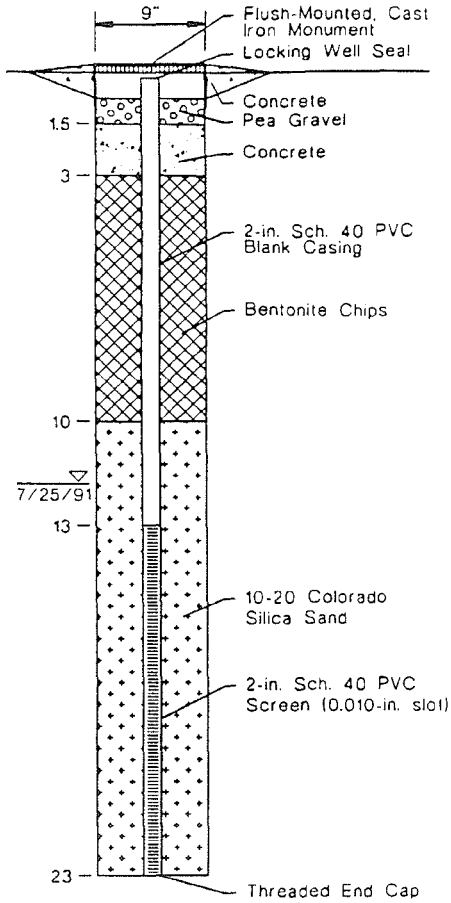
Depth (feet)

0, 5, 10, 15, 20, 25, 30, 35, 40

Sample	Unified Classification	Description
e 10 a2	SP/SM	Brown fine SAND and brown silty fine SAND, (loose, moist)
e 1 a2	ML/CL	Yellow brown SILT to CLAY, trace fine sand, (very soft, moist)
e 11 a2	CL	Yellow brown and grey brown CLAY with silt, trace fine sand and roots, (medium stiff, moist)
e 9 a2	ML	Grey brown SILT with fine sand and "crusty" red mottling which leaves voids in matrix, (medium stiff, moist to wet)
e 43 a2	SP	Dark grey fine to medium SAND, trace coarse sand, (medium dense, wet)
e 56 a2		

Boring Completed 7/15/91
Total Depth = 23.0 ft.

Construction Diagram



Well Completed 7/15/91
Elevation at Top of PVC Casing = 14.56 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Monitoring Well MW-E3 | Figure C-33

Boring BN-F1
Soil Profile

Depth (feet)

Surface Elevation = 15.3 Feet, NGVD

0
5
10
15
20
25
30
35
40

SP	Brown fine SAND, trace silt, (loose, moist)	
CL/ML	Brown with red mottling CLAY with silt and grey SILT with fine sand, trace gravel, (medium stiff, moist)	
ML	Brown grey with red mottling SILT, trace fine sand, (medium stiff, moist)	
SP	Dark grey brown fine to medium SAND, trace silt, (medium dense, moist to wet)	

e 24 a2
e 6 a2
e 13 a2
92 a2
e 39 a2

Boring Completed 7/16/91
Total Depth = 14.0 ft.

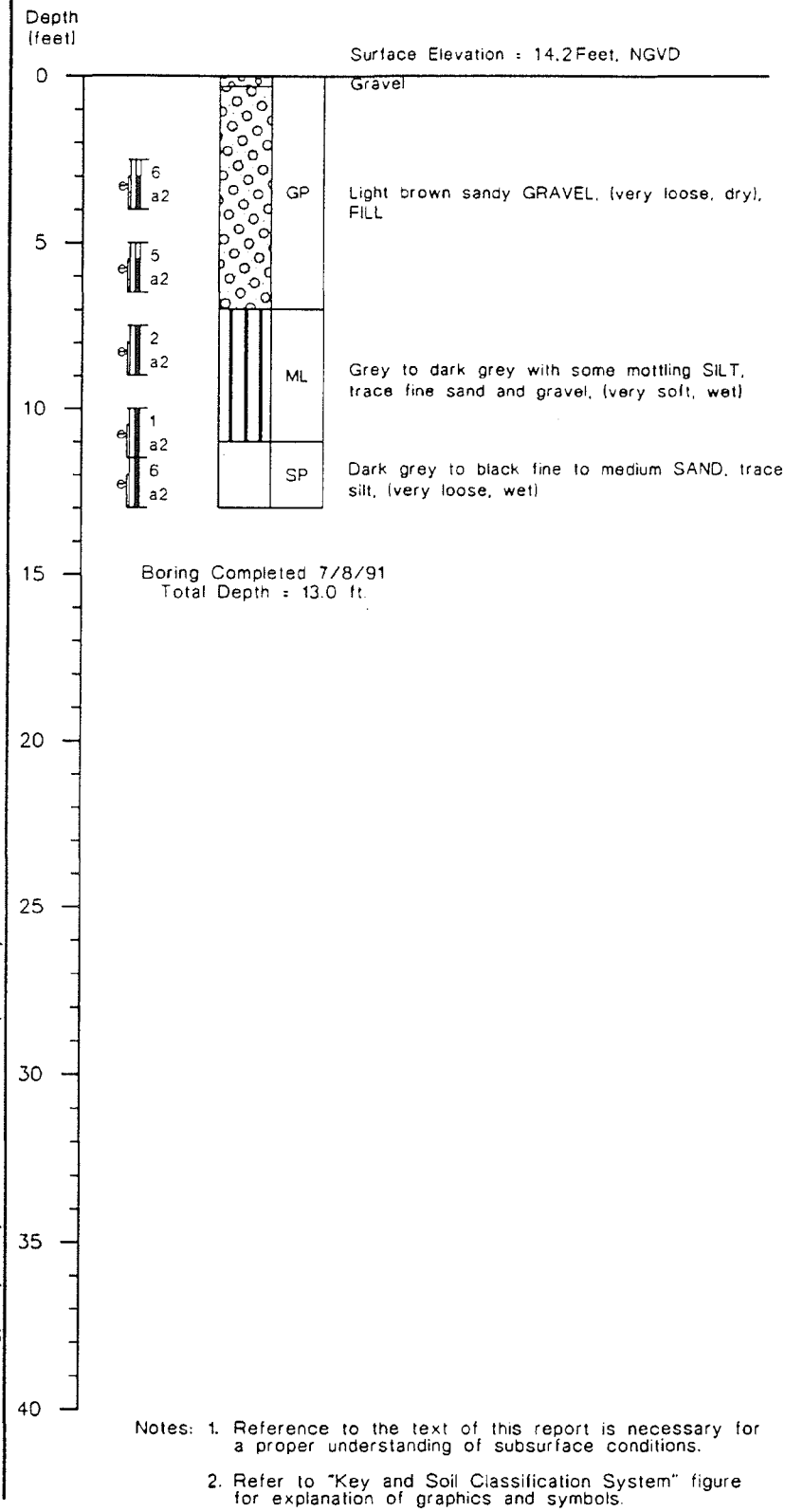
Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-F1 | Figure C-34

Boring BN-F2
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-F2 | Figure C-35

Well MW-G1

Soil Profile

Depth (feet)

Surface Elevation = 13.3 Feet, NGVD

0, 5, 10, 15, 20, 25, 30, 35, 40

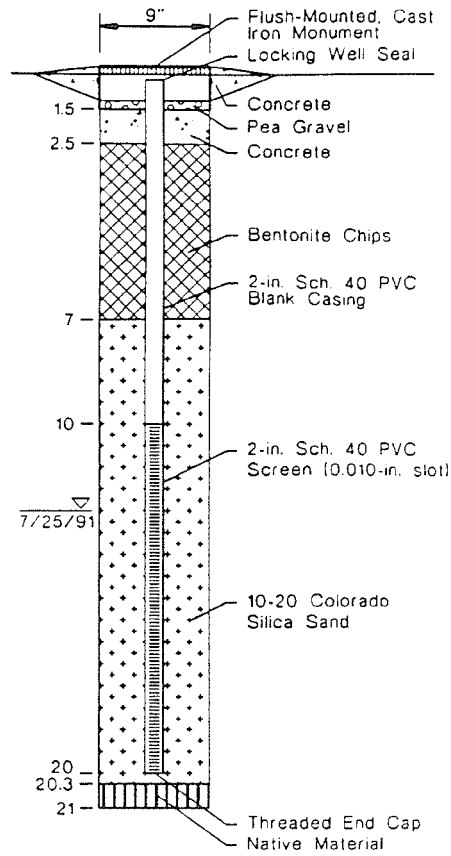
35 a2
34 a2
27 a2
30 a2
11 a2
50/6" a2

SP — Brown fine to medium SAND, trace coarse sand, fine gravel, occassional 1/2" lense of silt or silty sand, (medium dense, moist)

ML — Black SILT, trace fine sand with decayed wood debris, (very hard, wet)

Boring Completed 7/8/91
Total Depth = 21.0 ft.

Construction Diagram



Well Completed 7/8/91
Elevation at Top of PVC Casing = 13.04 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Monitoring Well MW-G1 | Figure C-36

Boring BN-G2
Soil Profile

Depth (feet)

Surface Elevation = 14.3 Feet, NGVD

0 — Asphalt Pavement

SP — Black fine to medium SAND, (very loose, moist)

5

SM — Black silty fine SAND, trace roots, (very loose, moist to wet)

10

ML — Black fine sandy SILT, (very soft to soft, wet)

15

20

25

30

35

40

e 9 a2
e 3 a2
e 3 a2
e 1 a2
e 4 a2

Boring Completed 7/8/91
Total Depth = 13.0 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-G2 | Figure C-37

Well MW-G3

Soil Profile

Depth (feet)

Surface Elevation = 13.8 Feet, NGVD

0, 5, 10, 15, 20, 25, 30, 35, 40

e 14 a2

5 a2

e 14 a2

e 2 a2

e 51 a2

e 50 a2

SP/SM — Very dark grey fine SAND and silty fine SAND, occassional 1/2" silt lenses, (very loose to loose becoming dense at 15', moist to wet)

SP — Very dark grey fine to medium SAND with a 2" lense of silty fine SAND, (medium dense, wet)

Boring Completed 7/8/91
Total Depth = 21.5 ft.

Construction Diagram

9"

Flush-Mounted, Cast Iron Monument

Locking Well Seal

1.5 — Concrete

2.5 — Pea Gravel

Concrete

Bentonite Chips

2-in. Sch. 40 PVC Blank Casing

7

9.7

2-in. Sch. 40 PVC Screen (0.010-in. slot)

7/25/91

10-20 Colorado Silica Sand

19.7

20

Threaded End Cap

21.5

Native Material

Well Completed 7/8/91
Elevation at Top of PVC Casing = 13.64 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Monitoring Well MW-G3 | Figure C-38

Boring BN-G4
Soil Profile

Depth (feet)

Surface Elevation = 14.3 Feet, NGVD

0 — Asphalt Pavement

5 — Dark grey brown to black fine to medium SAND, with a 6" lense of black organic silt with roots at 5.5', (very loose, moist)

10 — Dark grey SILT with fine sand, trace root fragments, (very soft, wet)

Dark brown to black fine to medium SAND, (very loose, wet)

15

20

25

30

35

40

e 8 a1

e 4 a1

e 3 a1

e 2 a1

SP

ML

SP

Boring Completed 7/8/91
Total Depth = 11.5 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-G4 | Figure C-39

Well MW-G5

Soil Profile

Depth (feet)

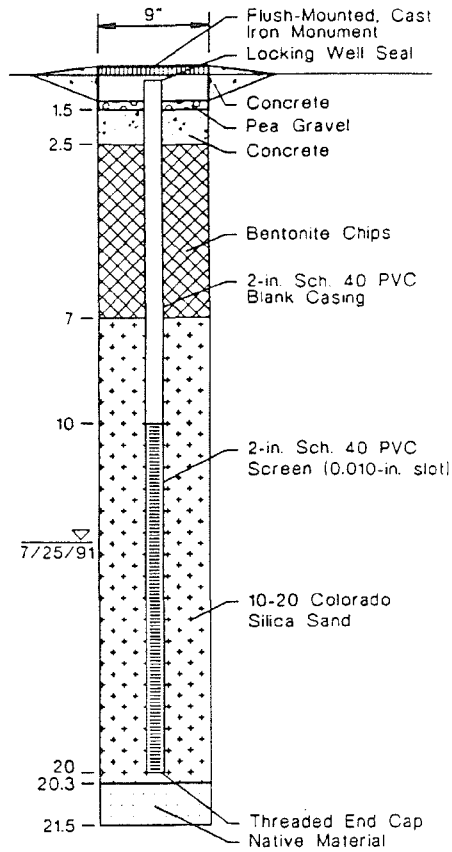
Surface Elevation = 14.5Feet, NGVD

Asphalt Pavement

Depth	Samples	Unified Soil Class	Description
0–5	e 34, a2	SP	Very dark grey to black fine to medium SAND, (medium dense)
5–7	e 12, a2	ML	Dark grey SILT with fine sand and small roots, (stiff)
7–10	e 12, a2	SM	Dark grey silty fine SAND, trace roots, (loose)
10–15	e 11, a2; e 23, a2; e 15, a2	SP	Dark grey fine to medium SAND, trace silt, occassional 2" lense of silty fine SAND, (loose tomedium dense, moist to wet at 13.5') paint thinner odor, sheen on soil
15–20	e 12, a2		
20–21.5	e 30, a2		

Boring Completed 7/8/91
Total Depth = 21.5 ft.

Construction Diagram



Well Completed 7/9/91
Elevation at Top of PVC Casing = 14.29 ft. NGVD

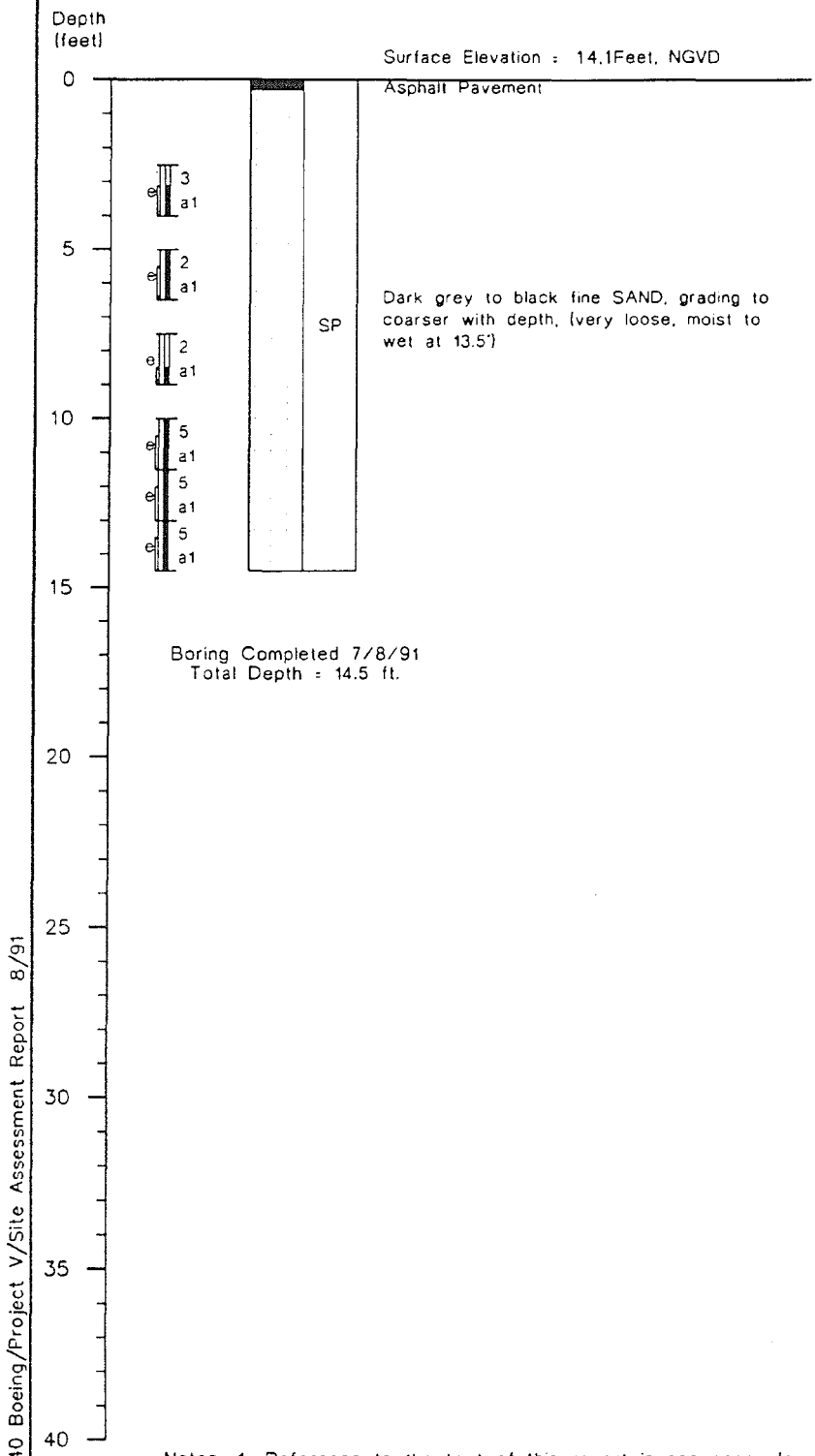
Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Monitoring Well MW-G5 | Figure C-40

Boring BN-G6
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-G6 | Figure C-41

Boring BN-G7
Soil Profile

Depth (feet)

Surface Elevation = 14.6 Feet, NGVD

0 — Asphalt Pavement

5 — SP: Dark brown with occassional red mottling fine to medium SAND with gravel, (very loose, moist)

10 — SP/SM: Brown to dark brown fine SAND and brown to dark brown silty fine SAND, (very loose, moist to wet)

15 — SW: Brown to dark brown fine to coarse SAND, (very loose, wet)

20

25

30

35

40

e 2 a1
e 3 a1
e 2 a1
e 4 a1
e 4 a1

Boring Completed 7/8/91
Total Depth = 14.0 ft.

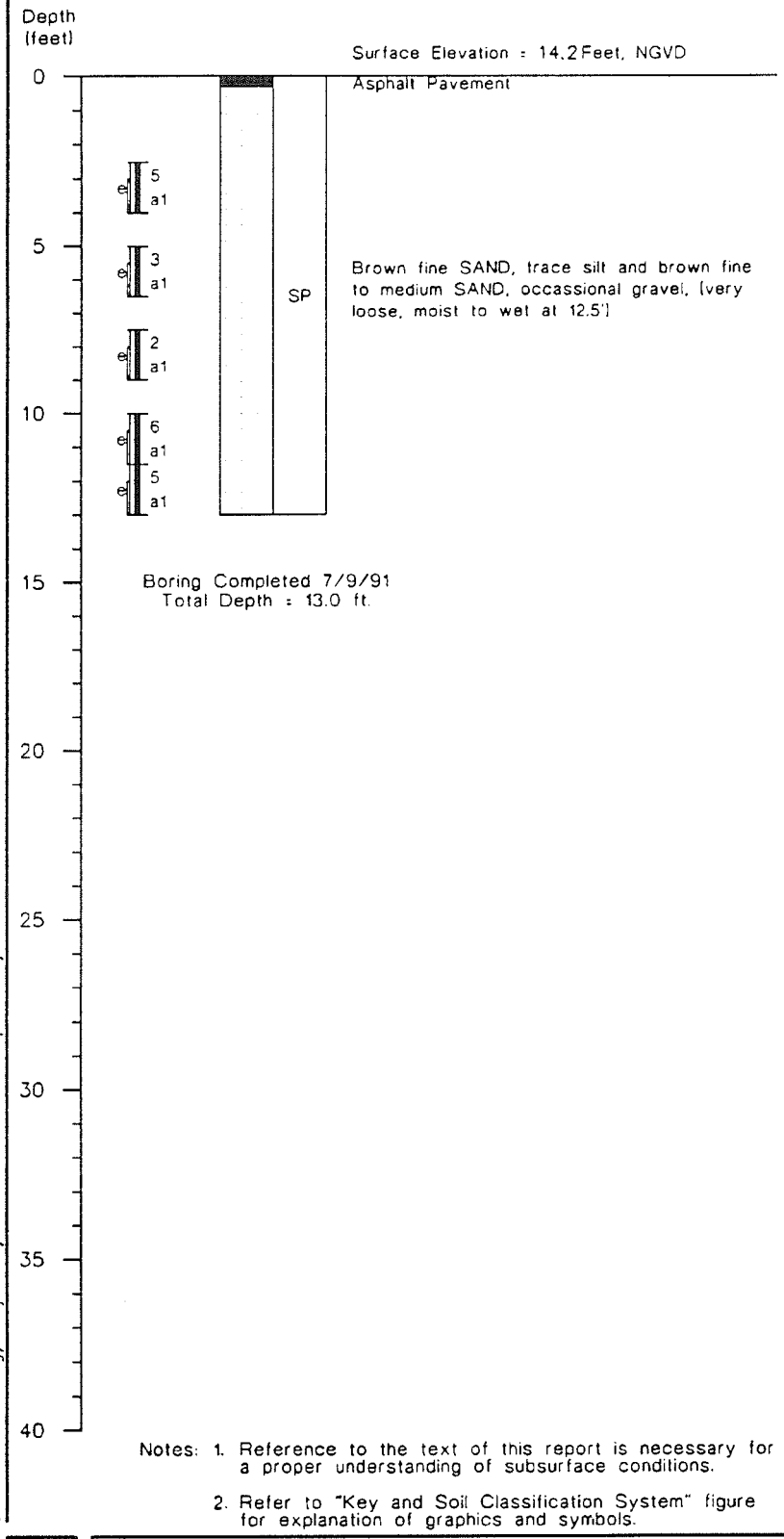
Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-G7 | Figure C-42

Boring BN-G8
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-G8 | Figure C-43

Boring BN-G9
Soil Profile

Depth (feet)

Surface Elevation = 14.4 Feet, NGVD

0 — Concrete Pavement

5 — SP — Brown fine to medium SAND, trace silt, (very loose, moist)

10 — ML — Grey brown with red mottling sandy SILT, (medium stiff, moist)

SP — Brown with red mottling fine to medium SAND, (very loose, moist)

15

Samples: e 2 a1; e 3 a1; e 4 a1; e 5 a1; e 6 a1

Boring Completed 7/9/91
Total Depth = 13.0 ft.

20

25

30

35

40

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-G9 | Figure C-44

Boring BN-G10
Soil Profile

Depth (feet)

Surface Elevation : 13.8 Feet, NGVD

0 — Gravel

5

10

15

20

25

30

35

40

e 3 a1

e 3 a1

e 5 a1

e 1 a1

SM — Dark brown silty fine to medium SAND with black silty fine SAND inclusions, (very loose, moist)

SP — Dark grey to black fine to medium SAND, occassional lenses of black fine SAND, (very loose, moist)

SM — Grey silty SAND, (very loose, wet)

Boring Completed 7/9/91
Total Depth : 11.5 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Soil Boring BN-G10 | Figure C-45

Well MW-H1

Soil Profile

Depth (feet)

Surface Elevation = 13.9 Feet, NGVD

0 — Asphalt Pavement

Dark brown fine SAND, trace black, brown and red fine SAND with occassional brown and red fine sandy SILT (loose, moist to wet), solvent-like odor and slight sheen

SP

10' to 38'
Black fine to medium SAND, (medium dense to dense, wet) solvent-like odor and sheen

Black fine to medium SAND, alternating with layers of black to dark grey silty fine SAND (dense, wet), no odor

SP/SM

40

9 a2
8 a2
12 a2
24 a2
24 a2
31 a2
39 a2
25 a2
50/6" a2
50/6" a2

(Continued on next page)

Construction Diagram

9"

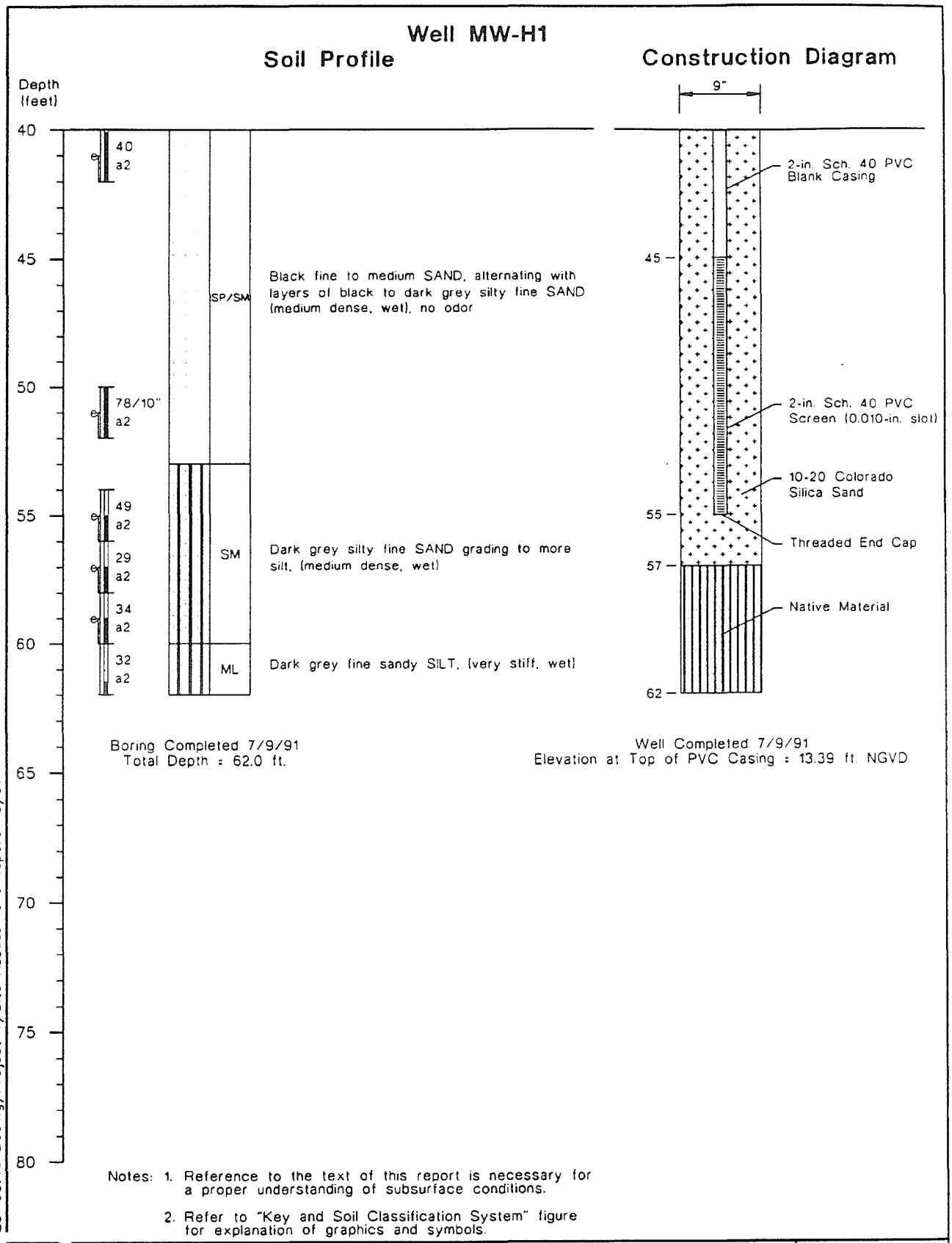
Flush-Mounted, Cast Iron Monument
Locking Well Seal
Concrete
Pea Gravel
Concrete
Bentonite Chips
2-in. Sch. 40 PVC Blank Casing
Pure Gold Grout
20-40 Colorado Silica Sand

1 — 3 — 4 — 7 — 7/25/91 — 39 — 40

25-63.40 Boeing/Project V/Site Assessment Report 8/91

Log of Monitoring Well MW-H1

Figure C-46 (1 of 2)



Log of Monitoring Well MW-H1

Figure C-46
(2 of 2)

Boring BN-H2
Soil Profile

Depth (feet)

Surface Elevation = 17.3 Feet, NGVD

0
5
10
15
20
25
30
35
40

e 20 a1
e 7 a1
e 5 a1
e 1 a1
e 5 a1
e 2 a1

SP — Olive brown to brown, occassional red mottling fine to medium SAND, lense of sandy SILT with angular gravel at 3' (very loose to medium dense, moist)

SM — Grey brown silty SAND, (very loose, moist to wet)

ML — Black SILT with organic debris (very soft, moist to wet)

SM — Brown with red mottling silty fine SAND, (very loose, moist to wet)

Boring Completed 7/10/91
Total Depth = 16.5 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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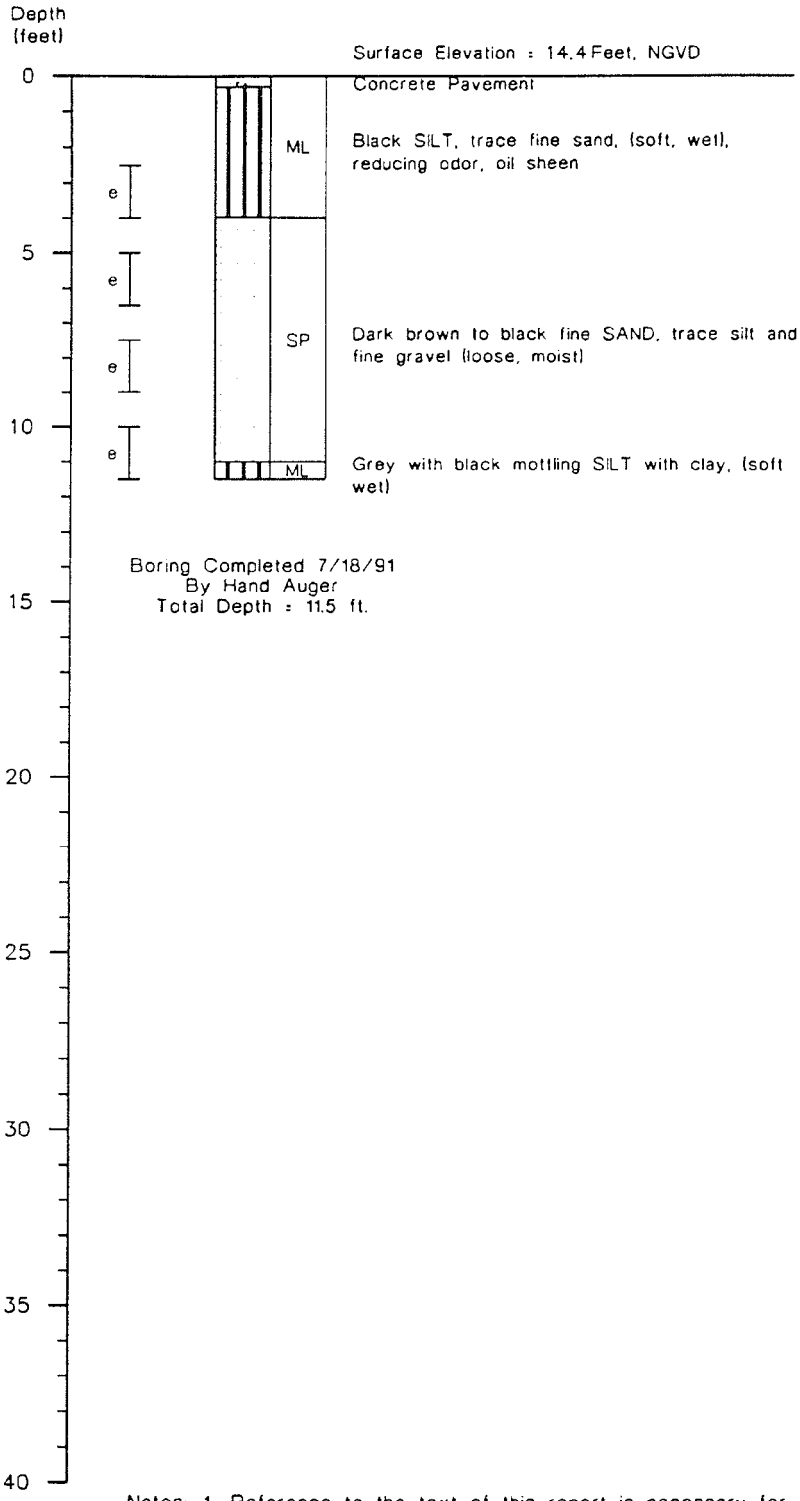
Log of Soil Boring BN-H2 | Figure C-47

Boring BN-H3
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-H3 | Figure C-48

Boring BN-H4

Soil Profile

Depth (feet)

Surface Elevation = 14.2 Feet, NGVD

0 — Concrete Pavement

SP — Dark brown fine to medium SAND, (very loose, moist)

ML — Dark grey and black SILT, trace sand, (soft, moist), reducing odor

SP — Dark grey to black fine to medium SAND, (very loose, moist), reducing odor

ML — Dark grey to black SILT with sand, (very soft, moist to wet), reducing odor

SP — Dark olive, and grey to black fine to medium SAND, grading to coarser with depth, (loose, moist ot wet), no odor

e 4 a1 (2.5)
e 3 a1 (5.5)
e 2 a1 (8.5)
e 4 a1 (11.5)
e 8 a1 (13.5)

5 10 15 20 25 30 35 40

Boring Completed 7/10/91
Total Depth = 14.0 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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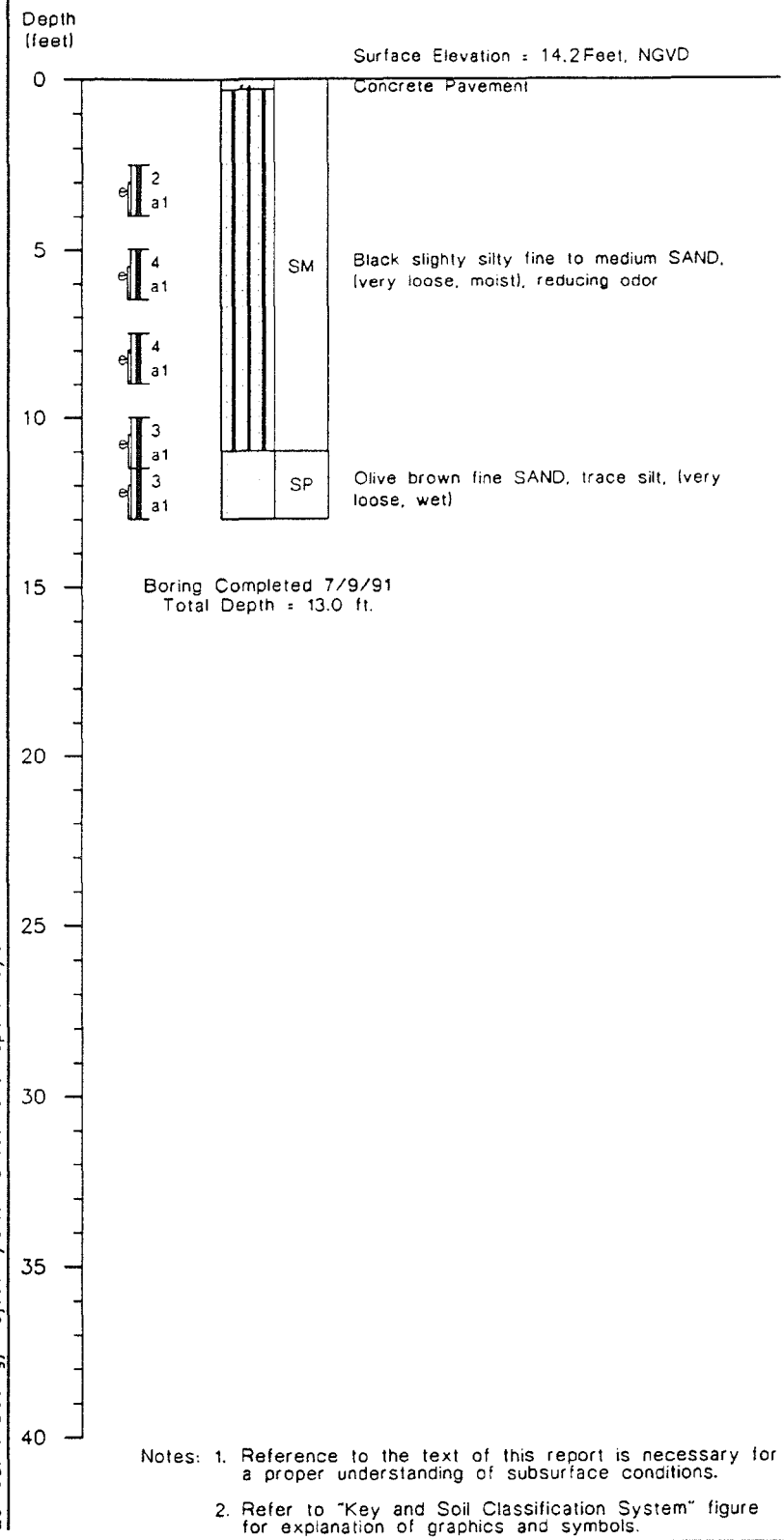
Log of Soil Boring BN-H4 | Figure C-49

Boring BN-H5
Soil Profile



Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-H5 | Figure C-50

Well MW-H6

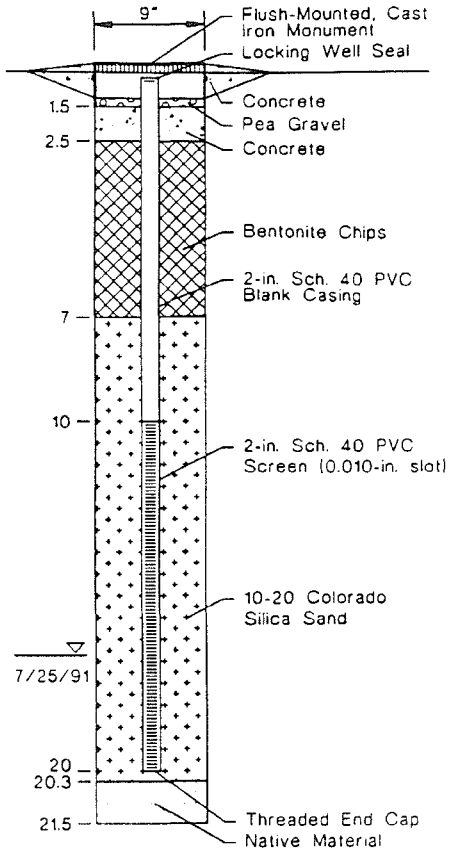
Soil Profile

Surface Elevation = 14.3 Feet, NGVD

Depth (feet)	Samples	Unified Soil Classification	Description
0			Concrete Pavement
	e 8, a1	SP	Brown fine to medium SAND, (loose, moist)
5	e 3, a1; e 3, a1	SM	Brown silty fine SAND and brown fine to medium SAND, (very loose, moist)
10	e 2, a1; e 1, a1	SP	Brown fine SAND (very loose, moist)
		SM	Grey brown with red mottling silty fine SAND, (very loose, moist to wet)
15	e 22, a2	SP	Very dark grey to black fine SAND, (medium dense, wet)
20	e 15, a2	SP/SM	Very dark grey to black fine SAND grading to silty fine SAND, (loose, wet)
25			
30			
35			
40			

Boring Completed 7/10/91
Total Depth = 21.5 ft.

Construction Diagram



Well Completed 7/10/91
Elevation at Top of PVC Casing = 13.94 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-H6 | Figure C-51

Boring BN-H7
Soil Profile

Depth (feet)

Surface Elevation = 14.4 Feet, NGVD

0 — Concrete Pavement

SP — Grey brown medium to coarse SAND, (very loose, moist)

1 a1 — SM — Brown silty fine to medium SAND, (very loose, moist)

5 — 2 a1 — SP — Brown with occassional red mottling fine to medium SAND, (very loose, moist)

5 a1 — SM — Yellow brown with red mottling slightly silty fine SAND, (very loose, moist)

10 — 8 a1, 16 a1 — SP — Dark brown fine to medium SAND, (loose to medium dense, moist to wet)

15 — Boring Completed 7/9/91
Total Depth = 13.0 ft.

20

25

30

35

40

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-H7 | Figure C-52

Boring BN-H8
Soil Profile

Depth (feet)

Surface Elevation = 14.0 Feet, NGVD

0 — Concrete Pavement

SP — Black fine SAND, (very loose, moist)

ML — Olive brown SILT with sand and organic fragments, (very soft, moist), reducing odor

SP — Olive brown fine SAND, trace silt, (very loose, moist)

ML — Olive brown SILT with sand, lense of Grey brown fine to medium SAND, (soft, moist to wet)

e 2 a1
e 3 a1
e 3 a1
e 4 a1
e 4 a1

5 10 15 20 25 30 35 40

Boring Completed 7/9/91
Total Depth = 13 ft.

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Soil Boring BN-H8 | Figure C-53

Well MW-H9

Soil Profile

Depth (feet)

Surface Elevation = 13.9 Feet, NGVD

0 — Gravel

5 — 20 a2 — SP — Black fine SAND, (loose, moist) FILL

10 — 14 a2

15 — 24 a2

20 — 18 a2

25 — 20 a2 — SM — Black silty fine SAND, trace organic debris, (loose, moist)

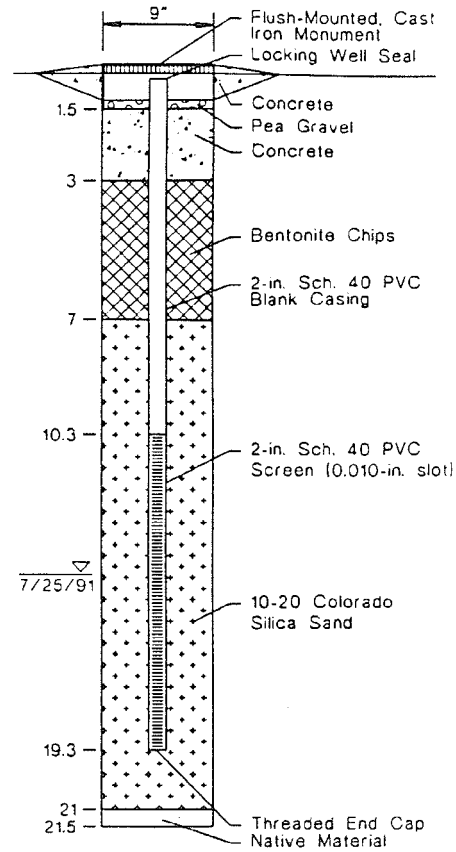
30 — 20 a2 — SP — Dark grey fine to medium SAND, trace gravel and organic debris, (loose)

35

40

Boring Completed 7/8/91
Total Depth = 21.5 ft.

Construction Diagram



Well Completed 7/8/91
Elevation at Top of PVC Casing = 13.50 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-H9 | Figure C-54

Well MW-H10

Soil Profile

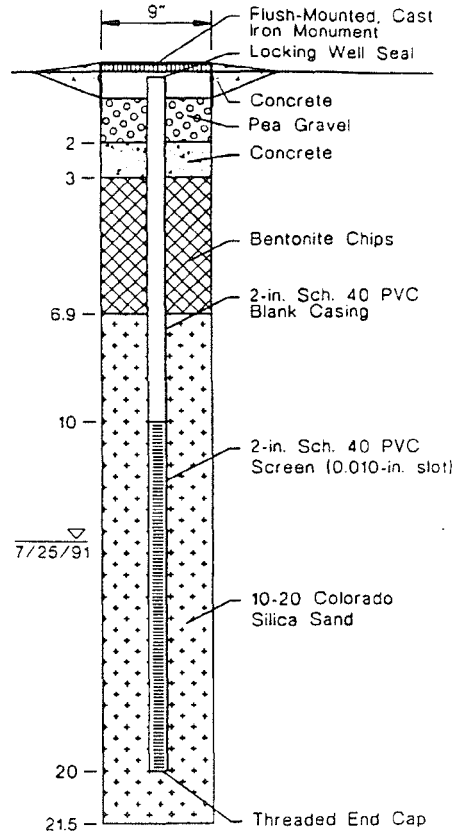
Depth (feet)

Surface Elevation = 14.0 Feet, NGVD

Depth (feet)	Samples	Unified Symbol	Description
0			Asphalt Pavement
	18, a2	SP	Brown fine to medium SAND, (loose, moist)
		SM	Dark brown silty fine SAND, trace organic debris, (loose, moist)
5	7, a2	SP	Dark grey fine SAND, (loose, moist), oil sheen present
		SM	Dark grey silty fine SAND, (loose, moist), oil sheen present
	15, a2	ML	Grey brown with red mottling and black banding SILT, (stiff, wet)
10	16, a2		
15	18, a2	SP	Dark grey fine to medium SAND with grey brown silt inclusions, (medium dense to dense at 19', wet), oil sheen present
20	82, a2		
25			
30			
35			
40			

Boring Completed 7/17/91
Total Depth = 21.5 ft.

Construction Diagram



Well Completed 7/17/91
Elevation at Top of PVC Casing = 13.73 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-H10 | Figure C-55

Well MW-H11

Soil Profile

Depth (feet)

Surface Elevation = 14.3 Feet, NGVD

0 — Asphalt Pavement

SP/SM — Dark grey fine to medium SAND and dark grey silty fine SAND, (loose, moist)

ML — Dark grey and brown SILT with fine sand, trace organic debris, (medium stiff, moist)

SP — Brown fine SAND, trace silt, (loose, moist)

ML — Brown SILT, trace fine sand, (soft, moist)

SP — Dark brown fine to medium SAND, (medium dense at 10', moist to wet at 13')

e 19 a2 (2.5)
e 10 a2 (5)
e 5 a2 (7.5)
e 18 a2 (10)
e 18 a2 (15)
e 30 a2 (20)

Boring Completed 7/17/91
Total Depth = 21.5 ft.

Construction Diagram

9"

Flush-Mounted, Cast Iron Monument
Locking Well Seal
Concrete
Pea Gravel
Concrete
Bentonite Chips
2-in. Sch. 40 PVC Blank Casing
2-in. Sch. 40 PVC Screen (0.010-in. slot)
10-20 Colorado Silica Sand
Threaded End Cap

1.8
2.5
7
10
7/25/91
20
21.5

Well Completed 7/17/91
Elevation at Top of PVC Casing = 14.11 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Monitoring Well MW-H11 | Figure C-56

Well MW-A2

Soil Profile

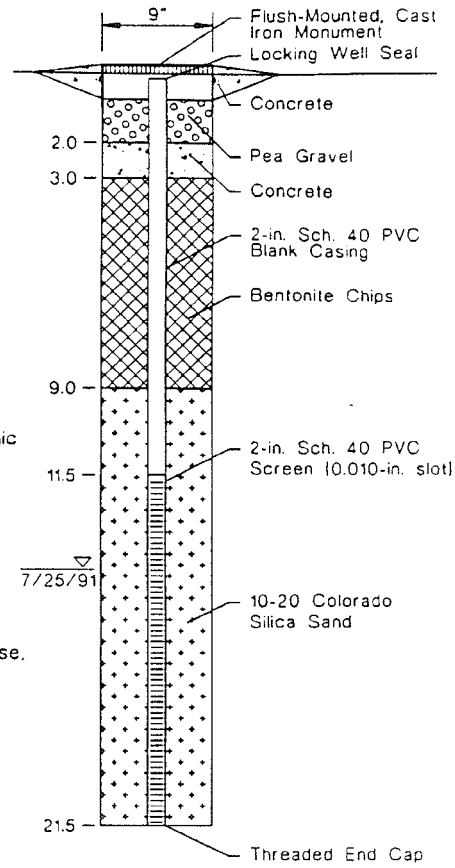
Depth (feet)

Surface Elevation = 14.6 Feet, NGVD

Depth (feet)	Sample	Unit	Description
0			Gravel
2–4	7 a2	ML	Black SILT with organic debris and sand (medium stiff, moist)
5–7	18 a2	SP	Dark grey fine to medium SAND, trace silt, 6" grey silt lense, (loose, moist)
8–9	10 a2	ML	Dark grey SILT with organic debris, (medium stiff, moist)
10–11	16 a2	SM	Dark grey silty SAND with occassional organic debris (loose, moist)
15–16	22 a2	SP	Dark grey fine SAND, trace silt (medium dense, wet)
20–21	29 a2		

Boring Completed 7/12/91
Total Depth = 21.5 ft.

Construction Diagram



Well Completed 7/12/91
Elevation at Top of PVC Casing = 14.44 ft. NGVD

Notes: 1. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.

2. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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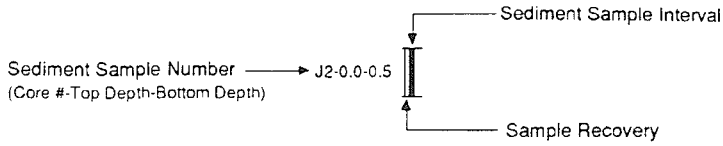
Log of Monitoring Well MW-A2 | Figure C-57

APPENDIX D

Offshore Sediment Core Logs and Grain Size Test Results

KEY TO SEDIMENT CORES



SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GRAPHIC SYMBOL	LETTER SYMBOL[1]	TYPICAL DESCRIPTIONS[2][3]
COARSE-GRAINED SOIL (More than 50% of material is larger than #200 sieve size)	GRAVEL AND GRAVELLY SOIL (More than 50% of coarse fraction retained on #4 sieve)	CLEAN GRAVEL (Little or no fines)		GW	Well-graded gravel; gravel/sand mixture(s); little or no fines
				GP	Poorly-graded gravel; gravel/sand mixture(s); little or no fines
		GRAVEL WITH FINES (Appreciable amount of fines)		GM	Silty gravel; gravel/sand/silt mixture(s)
				GC	Clayey gravel; gravel/sand/silt mixture(s)
	SAND AND SANDY SOIL (More than 50% of coarse fraction passed through #4 sieve)	CLEAN SAND (Little or no fines)		SW	Well-graded sand; gravelly sand; little or no fines
				SP	Poorly-graded sand; gravelly sand; little or no fines
		SAND WITH FINES (Appreciable amount of fines)		SM	Silty sand; sand/silt mixture(s)
				SC	Clayey sand; sand/clay mixture(s)
FINE-GRAINED SOIL (More than 50% of material is smaller than #200 sieve size)	SILT AND CLAY (Liquid Limit less than 50)			ML	Inorganic silt and very fine sand; rock flour; silty- or clayey-fine sand or clayey silt with slight plasticity
				CL	Inorganic clay of low to medium plasticity; gravelly clay; sandy clay; silty clay; lean clay
				OL	Organic silt; organic, silty clay of low plasticity
	SILT AND CLAY (Liquid Limit greater than 50)			MH	Inorganic silt; micaceous or diatomaceous fine sand or silty soil
				CH	Inorganic clay of high plasticity; fat clay
				OH	Organic clay of medium to high plasticity; organic silt
HIGHLY ORGANIC SOIL				PT	Peat; humus; swamp soil with high organic content

Notes:
1. Dual letter symbols (i.e., SM-SP) for a sand or gravel indicate a soil with an estimated 5-15% fines. Multiple letter symbols (i.e., ML/CL) indicates borderline or multiple soil classifications. Only the first letter symbol's respective pattern is shown on logs.
2. Soil descriptions shown on logs use the terminology and general approach for the *Visual-Manual Procedure, Description and Identification of Soils*, as outlined in ASTM D 2488.
3. Soil descriptions (which are based on estimated values) are as follows: Primary Soil Type(s) - i.e., "GRAVEL", "SAND", "SILT", "CLAY", etc.
   Secondary Soil Type(s) (>15%) - i.e., "gravelly", "sandy", "clayey", etc.
   Modifier(s) (>5% and ≤15%) - i.e., "with gravel", "with sand", "with clay", etc.
   Minor Component(s) (≤5%) - i.e., "trace gravel", "trace sand", "trace clay", etc.

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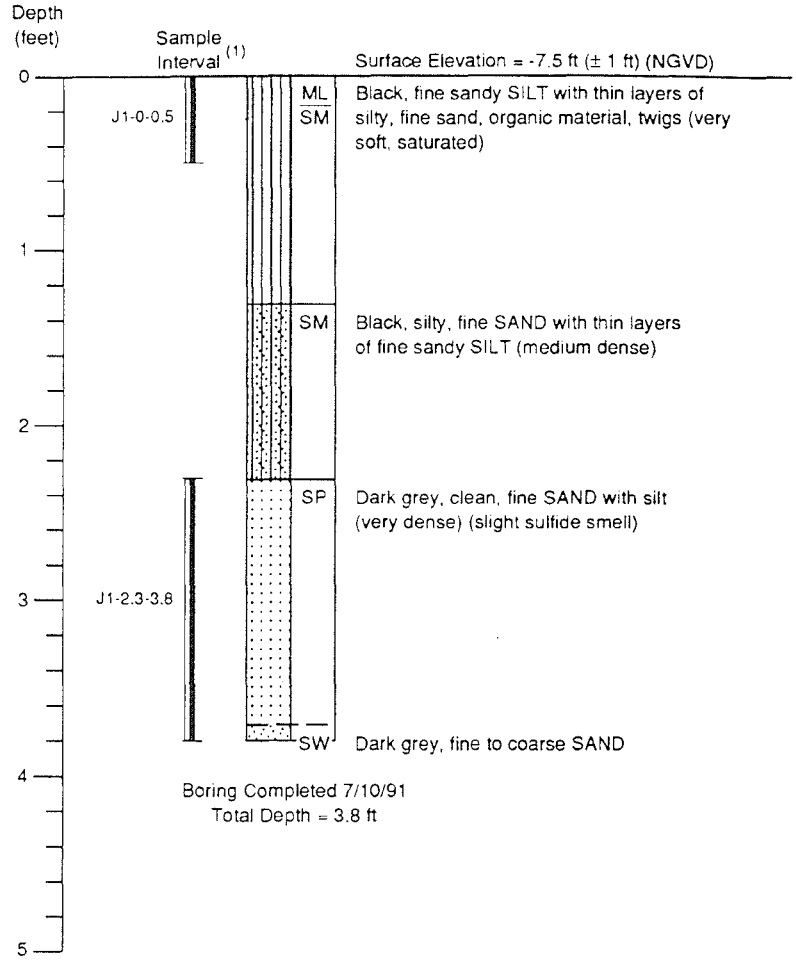
Key to Sediment Cores and Soil Classification System | Figure D-1

Sediment Core J1

Soil Profile



Notes:
1. Intervals shown correspond to composite sediment sample collected for chemical or grain size analyses.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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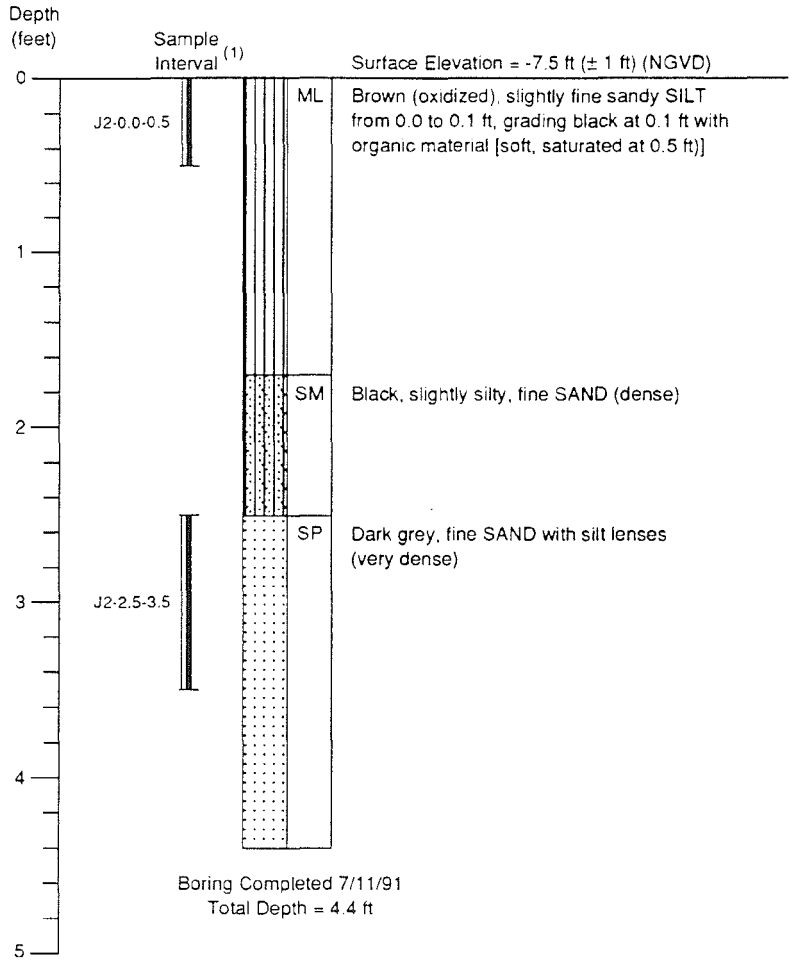
Log of Sediment Core J1 | Figure D-2

Sediment Core J2

Soil Profile



Notes:
1. Intervals shown correspond to composite sediment sample collected for chemical or grain size analyses.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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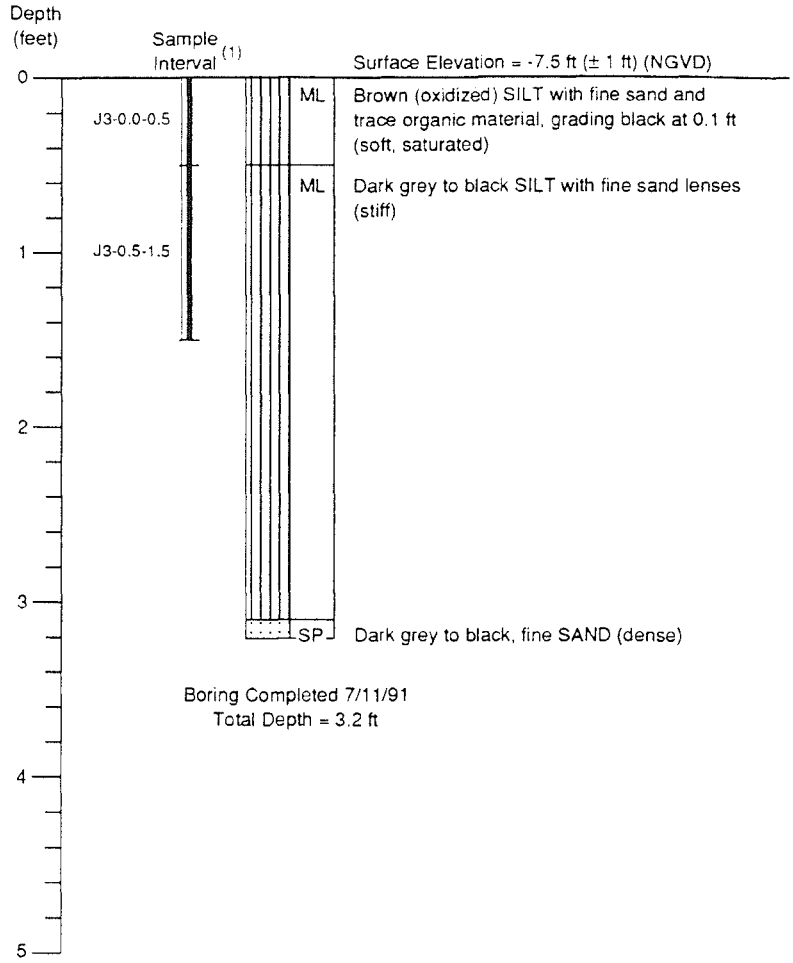
Log of Sediment Core J2	Figure D-3

Sediment Core J3

Soil Profile



Notes:
1. Intervals shown correspond to composite sediment sample collected for chemical or grain size analyses.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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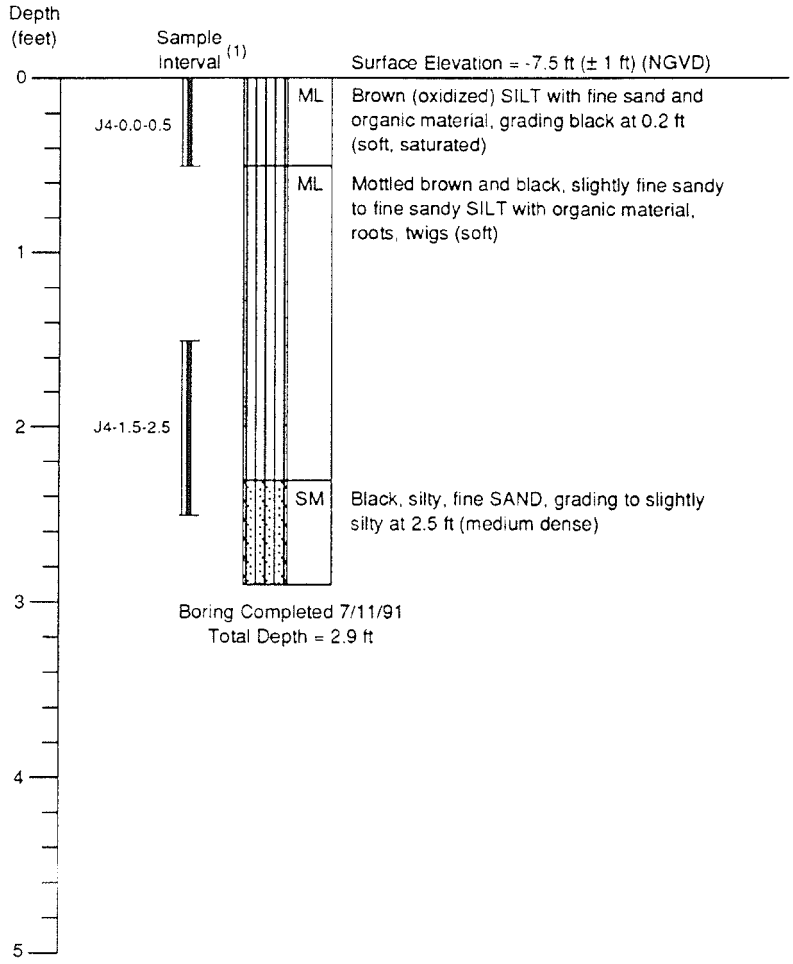
Log of Sediment Core J3	Figure D-4

Sediment Core J4

Soil Profile



Notes:
1. Intervals shown correspond to composite sediment sample collected for chemical or grain size analyses.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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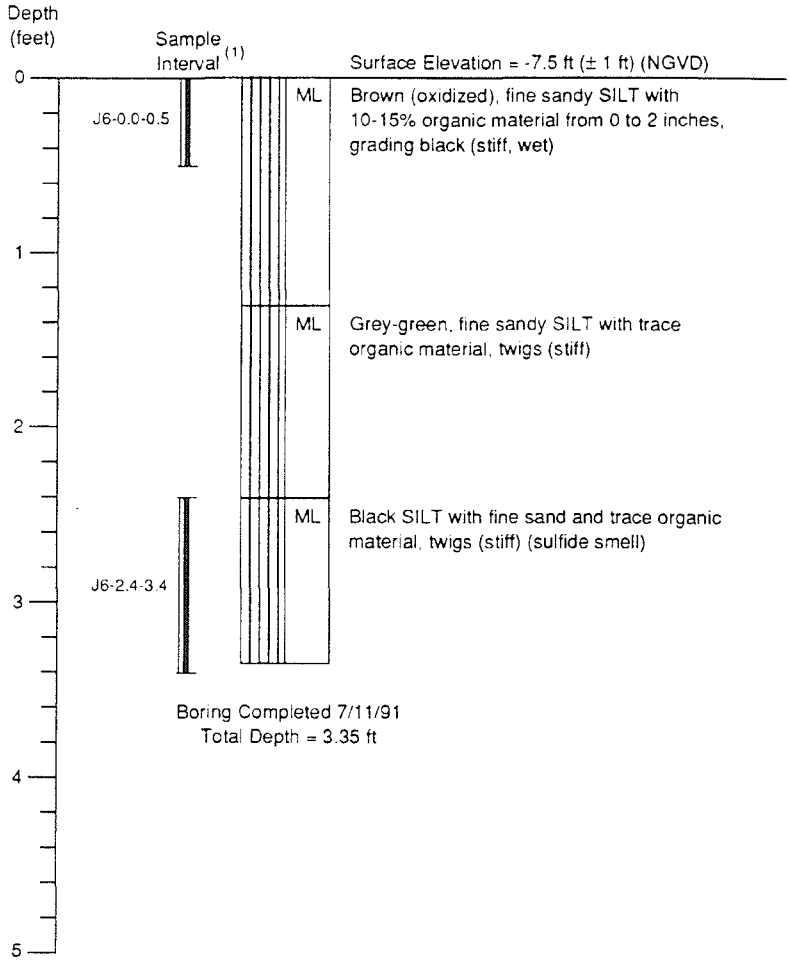
Log of Sediment Core J4	Figure D-5

Sediment Core J6

Soil Profile



Notes:
1. Intervals shown correspond to composite sediment sample collected for chemical or grain size analyses.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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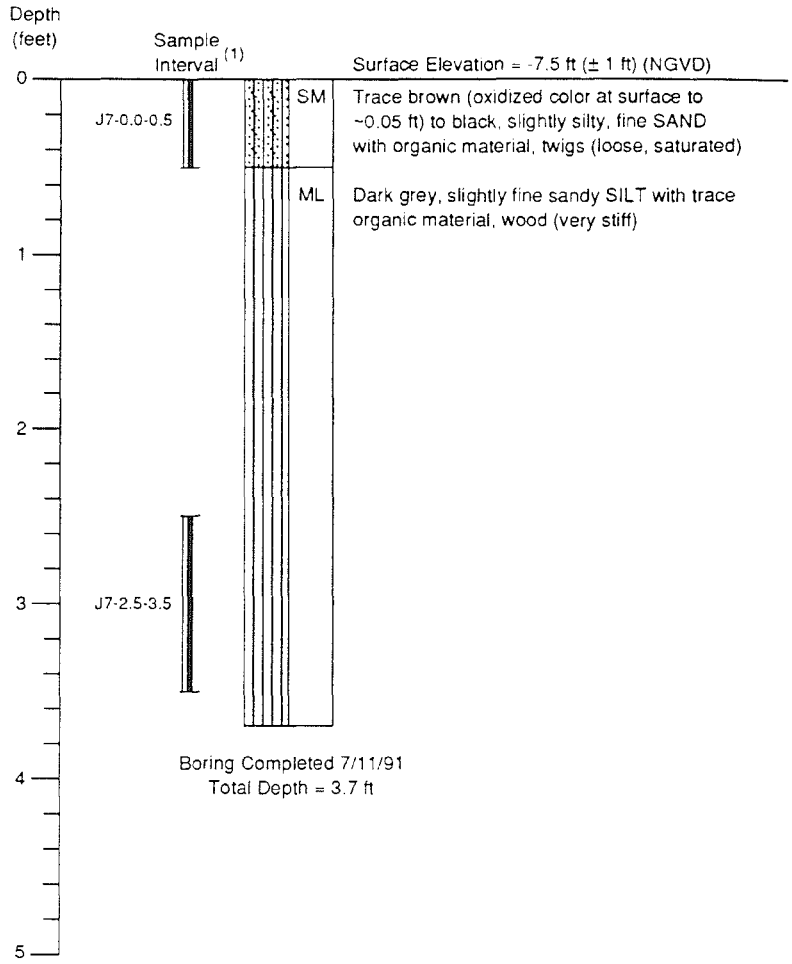
Log of Sediment Core J6 | Figure D-6

Sediment Core J7

Soil Profile



Notes:
1. Intervals shown correspond to composite sediment sample collected for chemical or grain size analyses.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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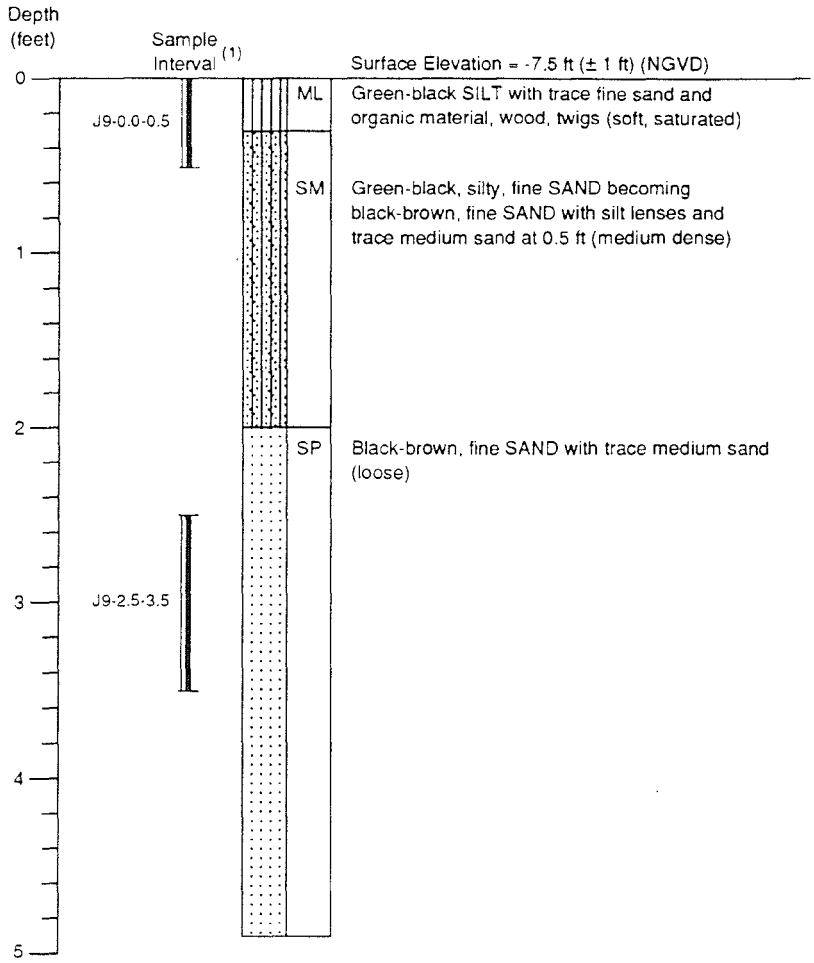
Log of Sediment Core J7	Figure D-7

Sediment Core J9

Soil Profile



Notes:
1. Intervals shown correspond to composite sediment sample collected for chemical or grain size analyses.
2. Reference to the text of this report is necessary for a proper understanding of subsurface conditions.
3. Refer to "Key and Soil Classification System" figure for explanation of graphics and symbols.

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Log of Sediment Core J9 | Figure D-8

SOIL TECHNOLOGY
SPECIALIZING IN PHYSICAL SOIL TESTING
7805 N.E. Day Road West
Bainbridge Island, WA 98110
(206) 842-6977 Fax 842-9014

LETTER OF TRANSMITTAL

TO: Landau Associates, Inc.
P.O. Box 694
Edmonds, WA 98020

DATE: July 29, 1991

JOB NO: J-160

ATTENTION: Mark Herrenkohl

REFERENCE: Chain of Custody dated 7/12/91

SUBJECT: Sediment Grain Size Distribution
Tukwila

We are sending the following items:

DATE	COPIES	DESCRIPTION
7/29/91	2	Sediment Grain Size Distribution Tables for Tukwila Project with one sample done in triplicate.

These are transmitted for your use.

REMARKS: Samples were tested in general accordance with Puget Sound Estuary Protocol (Conventional Sediment Variables Particle Size March 1986). Values reported are "apparent" particle size as organic material is included in the analysis.

Best regards,
SOIL TECHNOLOGY, INC.

Richard G. Sheets,
Vice President

TUKWILA SEDIMENT GRAIN SIZE DISTRIBUTION

Sample ID: J1 0 0-0.5 — 52 % SOLIDS

Sieve Size -->	No. 4	No. 10	No. 20	No. 40	No. 60	No. 140	No. 200	No. 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62.5 microns	62.5-31.2 microns	31.2-15.6 microns	15.6-7.8 microns	7.8-3.9 microns	3.9-1.9 microns	1.9-0.9 microns	<0.9 microns	
Percent Passing (%) -->	100	99	99	96	90	70	63	60	49	30	16	9	6	4	2	
Fractional Percent % -->	0	1	0	3	6	20	7	3	11	19	14	7	3	2	2	2

Sample ID: J1 2 3-3 8 — 80 % SOLIDS

Sieve Size -->	No. 4	No. 10	No. 20	No. 40	No. 60	No. 140	No. 200	No. 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62.5 microns	62.5-31.2 microns	31.2-15.6 microns	15.6-7.8 microns	7.8-3.9 microns	3.9-1.9 microns	1.9-0.9 microns	<0.9 microns	
Percent Passing (%) -->	100	100	96	88	80	40	26	20	9	5	3	2	0	0	0	
Fractional Percent % -->	0	0	4	8	8	40	14	6	11	4	2	1	2	0	0	0

Sample ID: J2 0 0-0.5 — 55 % SOLIDS

Sieve Size -->	No. 4	No. 10	No. 20	No. 40	No. 60	No. 140	No. 200	No. 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62.5 microns	62.5-31.2 microns	31.2-15.6 microns	15.6-7.8 microns	7.8-3.9 microns	3.9-1.9 microns	1.9-0.9 microns	<0.9 microns	
Percent Passing (%) -->	100	100	100	99	98	92	87	82	62	38	20	11	7	6	3	
Fractional Percent % -->	0	0	0	1	1	6	5	5	20	24	18	9	4	1	3	3

Sample ID: J2 2 5-3 5 — 80 % SOLIDS

Sieve Size -->	No. 4	No. 10	No. 20	No. 40	No. 60	No. 140	No. 200	No. 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62.5 microns	62.5-31.2 microns	31.2-15.6 microns	15.6-7.8 microns	7.8-3.9 microns	3.9-1.9 microns	1.9-0.9 microns	<0.9 microns	
Percent Passing (%) -->	100	100	100	97	85	37	26	21	13	9	7	6	4	4	2	
Fractional Percent % -->	0	0	0	3	12	48	11	5	8	4	2	1	2	0	2	2

Sample ID: J3 0 0-0.5 — 61 % SOLIDS

Sieve Size -->	No. 4	No. 10	No. 20	No. 40	No. 60	No. 140	No. 200	No. 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62.5 microns	62.5-31.2 microns	31.2-15.6 microns	15.6-7.8 microns	7.8-3.9 microns	3.9-1.9 microns	1.9-0.9 microns	<0.9 microns	
Percent Passing (%) -->	100	100	99	98	94	82	72	64	41	26	16	9	7	6	3	
Fractional Percent % -->	0	0	1	1	4	12	10	8	23	15	10	7	2	1	3	3

Sample ID: J3 0 5-1.5 — 59 % SOLIDS

Sieve Size -->	No. 4	No. 10	No. 20	No. 40	No. 60	No. 140	No. 200	No. 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62.5 microns	62.5-31.2 microns	31.2-15.6 microns	15.6-7.8 microns	7.8-3.9 microns	3.9-1.9 microns	1.9-0.9 microns	<0.9 microns	
Percent Passing (%) -->	100	100	100	99	96	91	87	84	70	47	30	20	15	11	2	
Fractional Percent % -->	0	0	0	1	3	5	4	3	14	23	17	10	5	4	9	2

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TUKWILA SEDIMENT GRAIN SIZE DISTRIBUTION

Sample ID J3 0 5-1 5 R1 59 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	99	96	91	87	84	69	46	30	20	15	11	2	
Fractional Percent % -->	0	0	0	1	3	5	4	3	15	23	16	10	5	4	9	2

Sample ID J3 0 5-1 5 R2 59 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	99	96	91	87	84	69	48	32	22	16	13	4	
Fractional Percent % -->	0	0	0	1	3	5	4	3	15	21	16	10	6	3	9	4

Sample ID J3 10 61 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	98	95	83	73	65	42	27	18	13	9	7	3	
Fractional Percent % -->	0	0	0	2	3	12	10	8	23	15	9	5	4	2	4	3

Sample ID J4 0 0-0 5 62 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	98	94	80	69	62	42	30	20	13	9	7	2	
Fractional Percent % -->	0	0	0	2	4	14	11	7	20	12	10	7	4	2	5	2

Sample ID J4 1 5-2 5 62 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	100	99	94	89	85	66	42	26	18	13	10	3	
Fractional Percent % -->	0	0	0	0	1	5	5	4	19	24	16	8	5	3	7	3

Sample ID J5 0 0-0 5 61 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	99	96	85	78	73	52	33	21	15	11	8	3	
Fractional Percent % -->	0	0	0	1	3	11	7	5	21	19	12	6	4	3	5	3

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TUKWILA SEDIMENT GRAIN SIZE DISTRIBUTION

Sample ID J6 0 0-0 5 — 62 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No. 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	99	94	87	73	66	61	43	28	18	13	9	7	3	
Fractional Percent % -->	0	0	1	5	7	14	7	5	18	15	10	5	4	2	4	3

Sample ID J6 2 4-3 4 — 65 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No. 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	100	99	96	92	87	62	40	25	16	10	7	2	
Fractional Percent % -->	0	0	0	0	1	3	4	5	25	22	15	9	6	3	5	2

Sample ID J7 0 0-0 5 — 73 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	99	86	53	33	30	28	22	15	10	6	4	3	0	
Fractional Percent % - >	0	0	1	13	33	20	3	2	6	7	5	4	2	1	3	0

Sample ID J7 2 5-3 5 — 67 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No. 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	99	98	90	84	80	59	38	24	15	9	6	1	
Fractional Percent % -->	0	0	0	1	3	6	6	4	21	21	14	9	6	3	5	1

Sample ID J9 0 0-0 9 — 57 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No 200	No 230								
Finer than Phi Size -->									4	5	6	7	8	9	10	Balance
Grain Size -->	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) -->	100	100	100	96	92	87	83	79	51	30	19	12	8	6	1	
Fractional Percent % -->	0	0	0	4	4	5	4	4	28	21	11	7	4	2	5	1

Sample ID J9 2 5-3 5 — 81 % SOLIDS

Sieve Size -->	No 4	No 10	No 20	No 40	No 60	No 140	No. 200	No 230								
Finer than Phi Size - >									4	5	6	7	8	9	10	Balance
Grain Size - >	> 4750 microns	4750-2000 microns	2000-850 microns	850-425 microns	425-250 microns	250-106 microns	106-75 microns	75-62 5 microns	62 5-31 2 microns	31 2-15 6 microns	15 6-7 8 microns	7 8-3 9 microns	3 9-1 9 microns	1 9-0 9 microns	<0 9 microns	
Percent Passing (%) - >	100	99	88	46	8	1	0	0	0	0	0	0	0	0	0	
Fractional Percent % -->	0	1	11	42	38	7	1	0	0	0	0	0	0	0	0	0

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Monsanto Company 104(e) Response

Monsanto 2A000260

APPENDIX E

Horton Dennis & Associates, Inc. Elevation Survey Report

Horton Dennis & Associates, Inc.

HDA

Consulting Engineers & Surveyors

July 30, 1991 8927.00

Landau Associates, Inc.
P.O. Box 1029
Edmonds, WA 98020-9129

ATTENTION: JERRY NINTEMAN

SUBJECT: RHONE - POULENC FACILITY
TUKWILA, WASHINGTON
REPORT OF ELEVATION SURVEY OF GEO-TECH STATIONS

Dear Mr. Ninteman:

Following are the elevations observed by this firm at the soil borings, groundwater monitoring wells and seeps located at the above facility. All elevations were obtained via closed loop differential levels. No closure was greater than 0.02 of a foot. The vertical datum to which the elevations are referenced is National Geodetic Vertical Datum of 1929 (NGVD29). Date of field observations was July 25, 1991.

SOIL BORINGS

No.	Elev.	Ground Surface Material
A1	13.74	Dirt
A3	14.76	Concrete
A5	15.11	Dirt
A6	14.41	Dirt
A7	14.44	Asphalt
A8	15.38	Dirt
B3	14.23	Asphalt
B7	14.11	Dirt
B8	14.17	Asphalt
B9	14.38	Asphalt
B10	15.27	Asphalt
B11	14.55	Asphalt
B12	14.72	Dirt
B13	14.41	Asphalt
B14	15.33	Gravel
B15	15.03	Concrete
C2	15.42	Dirt
C3	14.60	Dirt
D1	14.76	Asphalt

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No.	Elev.	Ground Surface Material
D2	14.69	Grass
D4	13.61	Grass
E2	14.12	Grass
F1	15.29	Gravel
F2	14.16	Gravel
G2	14.28	Asphalt
G4	14.28	Asphalt
G6	14.09	Asphalt
G7	14.55	Asphalt
G8	14.19	Asphalt
G9	14.38	Concrete
G10	13.80	Gravel
H2	17.25	Asphalt
H3	14.39	Concrete
H4	14.17	Concrete
H5	14.19	Concrete
H7	14.40	Concrete
H8	13.99	Concrete

MONITORING WELLS

No.	Pipe Elev.	Ground Elev.	Pipe Elev Location/Grd Surface Material
A2	14.44	14.58	E. Edge PVC/Dirt
A4	14.99	15.18	E. Edge PVC/Dirt
A9	14.25	14.53	S. Edge PVC/Dirt
B1A	15.15	15.60	W. Edge PVC/Dirt
B1B	14.75	15.09	S.E. Edge PVC/Dirt
B2	13.88	14.14	E. Edge PVC/Dirt
B4	13.81	14.33	W. Edge PVC/Asphalt
B5	13.85	14.07	N. Edge PVC/Concrete
B6	13.82	14.08	E. Edge PVC/Asphalt
C1	14.71	14.92	W. Edge PVC/Asphalt
E3	14.56	14.62	W. Edge PVC/Grass
G1	13.04	13.33	S.E. Edge PVC/Dirt
G3	13.64	13.81	N. Edge PVC/Asphalt
G5	14.29	14.46	W. Edge PVC/Asphalt
H1	13.39	13.90	S.E. Edge PVC/Asphalt
H6	13.94	14.34	E. Edge PVC/Concrete
H9	13.50	13.85	N. Edge PVC/Gravel
H10	13.73	14.03	N.E. Edge PVC/Asphalt

Landau Associates, Inc.
Jerry Ninteman
July 30, 1991
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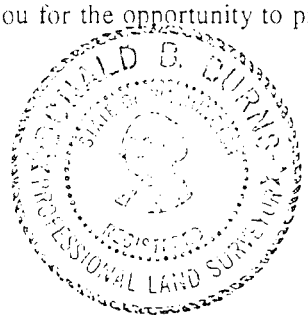
No.	Pipe Elev.	Ground Elev.	Pipe Elev Location/Grd Surface Material
H11	14.11	14.34	E. Edge PVC/Asphalt
DM4	13.86	14.45	N. Edge PVC/Asphalt
DM6	14.70	14.00	S.E. Edge PVC/Dirt
DM8	16.91	17.12	N. Edge PVC/Asphalt

SEEPS IN INTERTIDAL AREA

No.	Ground Elev.
1	- 8.0
2	- 7.0
3	- 5.8

In accordance with the scope of work, HDA also set one Temporary Bench Mark (TBM) on the existing Barge Pier being a PK nail with HDA ID tag located on the west edge of the pier, 20.0 feet south of the northwest corner. Elevation 9.33 feet.

Thank you for the opportunity to provide our professional surveying services.



Sincerely,

HORTON DENNIS & ASSOCIATES, INC.

Donald B. Burns, PLS
Certificate No. 10957
Survey Manager

DBB/pms

APPENDIX F

Summary of Laboratory Data

TABLE 1
SOIL ANALYTICAL RESULTS
PROJECT V

Sample No.:	BN-A1-2.5	BN-A1-5.0	BN-A1-7.5	BN-A1-12.5	MW-A2-2.5	MW-A2-5.0	MW-A2-7.5	MW-A2-10.0
Lab ID:	8624 AH	8624 AI	8624 AJ	8624 AL	8649 A	8649 B	8649 C	8649 D
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	23 U	12 U	2.8 U	2.5 U	2.8 U	2.4 U	2.7 U	2.6 U
Bromomethane	23 U	12 U	2.8 U	2.5 U	2.8 U	2.4 U	2.7 U	2.6 U
Vinyl Chloride	23 U	12 U	2.8 U	2.5 U	4.2 U	3.7 U	4.0 U	3.8 U
Chloroethane	23 U	12 U	2.8 U	2.5 U	4.2 U	3.7 U	4.0 U	3.8 U
Methylene Chloride	24	16 U	5.9 U	2.8 U	1.4 UJ	1.1 UJ	1.0 UJ	2.2 UJ
Acetone	220	150	150	23 U	89	80	52	110
Carbon Disulfide	28	16	20	1.0 J	2.8 U	2.4 U	2.7 U	2.6 U
1,1-Dichloroethene	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
1,1-Dichloroethane	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Trans-1,2-Dichloroethene	11 U	6.2 U	1.4 U	1.3 U	NA	NA	NA	NA
Cis-1,2-Dichloroethene	11 U	6.2 U	1.4 U	1.3 U	NA	NA	NA	NA
1,2-Dichloroethene (Total)	NA	NA	NA	NA	1.4 U	1.2 U	1.3 U	1.3 U
Chloroform	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
1,2-Dichloroethane	11 U	6.2 U	1.4 U	1.3 U	2.8 U	2.4 U	2.7 U	2.6 U
2-Butanone	60	22 J	41	7.8	20	15	10	28
1,1,1-Trichloroethane	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Carbon Tetrachloride	11 U	6.2 U	1.4 U	1.3 U	2.8 U	2.4 U	2.7 U	2.6 U
Vinyl Acetate	11 U	6.2 U	1.4 U	1.3 U	2.8 U	2.4 U	2.7 U	2.6 U
Bromodichloromethane	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Trichlorofluoromethane	23 U	12 U	2.8 U	2.5 U	2.8 U	2.4 U	2.7 U	2.6 U
1,2-Dichloropropane	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Trans-1,3-Dichloropropene	11 U	6.2 U	1.4 U	1.3 U	2.8 U	1.2 U	1.3 U	1.3 U
Trichloroethene	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Dibromochloromethane	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
1,1,2-Trichloroethane	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Benzene	11 U	6.6	1.9	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
cis-1,3-Dichloropropene	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
2-Chloroethylvinylether	11 U	6.2 U	1.4 U	1.3 U	2.8 U	2.4 U	2.7 U	2.6 U
Bromoform	11 U	6.2 U	6.9 U	6.3 U	4.2 U	3.7 U	4.0 U	3.8 U
4-Methyl-2-Pentanone	33 J	31 U	4.0 U	3.6 U	2.8 U	0.9 M	2.7 U	2.6 U
2-Hexanone	57 U	31 U	6.9 U	6.3 U	2.8 U	2.3 M	2.7 U	2.6 U
Tetrachloroethene	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
1,1,2,2-Tetrachloroethane	11 U	6.2 U	1.4 U	1.3 U	2.8 U	2.4 U	2.7 U	2.6 U
Toluene	15	28	47	1.3 U	5.8	3.3	2.2	7.8
Chlorobenzene	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Ethylbenzene	110	73	1.3 J	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Styrene	11 U	6.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U
Total Xylenes	1700	940	22	2.5 U	2.8 U	2.4 U	2.7 U	2.6 U
Freon-TF	23 U	12 U	2.8 U	2.5 U	2.8 U	2.4 U	2.7 U	2.6 U
METALS (mg/kg-dry)								
Arsenic	6.0 U	5.0 U	6.0	6.0 U	6.0 U	5.0 U	6.0 U	6.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2	0.2	0.2
Chromium	9.7	8.9	10	7.3	25	12	20	15
Copper	20	18	23	15	35	12	29	25
Nickel	13	14	16	8.0	22	11	18	11
Lead	7.0	8.0	8.0	4.0	15	5.0	11	5.0
Zinc	37	39	43	23	64	31	53	26

U = Indicates compound was analyzed for but not detected at the given detection limit.
J = Indicates an estimated value when result is less than specified detection limit.
M = Indicates an estimated value of analyte found and confirmed by analyst but with low spectral match parameters.
K = This flag is used when quantitated value falls above the limit of the calibration curve and a dilution should be run.
Freon-TF = 1,1,2-Trichloro-1,2,2-trifluoroethane
NA = Not Analyzed.
(1) = Cannot be separated from Diphenylamine.
* = Reported with Benzo(k)Fluoranthene.
file: voasoil.wk1;ash 09/03/91

TABLE 1 (Continued)

Sample No.:	BN-A1-2.5	BN-A1-5.0	BN-A1-7.5	BN-A1-12.5	MW-A2-2.5	MW-A2-5.0	MW-A2-7.5	MW-A2-10.0
Lab ID:	8624 AH	8624 AI	8624 AJ	8624 AL	8649 A	8649 B	8649 C	8649 D
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	150 U	140 U	170 U	140 U	160 U	140 U	170 U	170 U
bis(2-Chloroethyl)Ether	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
2-Chlorophenol	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
1,3-Dichlorobenzene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
1,4-Dichlorobenzene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Benzyl Alcohol	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
1,2-Dichlorobenzene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
2-Methylphenol	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
bis(2-chloroisopropyl)Ether	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
4-Methylphenol	690	71 U	84 U	72 U	82 U	69 U	83 U	86 U
N-Nitroso-Di-n-Propylamine	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Hexachloroethane	150 U	140 U	170 U	140 U	160 U	140 U	170 U	170 U
Nitrobenzene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Isophorone	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
2-Nitrophenol	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
2,4-Dimethylphenol	150 U	140 U	170 U	140 U	160 U	140 U	170 U	170 U
Benzoic Acid	740 U	710 U	840 U	720 U	820 U	690 U	830 U	850 U
bis(2-Chloroethoxy)Methane	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
2,4-Dichlorophenol	220 U	210 U	250 U	220 U	240 U	210 U	250 U	260 U
1,2,4-Trichlorobenzene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Naphthalene	2000	71 U	84 U	72 U	82 U	69 U	83 U	86 U
4-Chloroaniline	220 U	210 U	250 U	220 U	240 U	210 U	250 U	260 U
Hexachlorobutadiene	150 U	140 U	170 U	140 U	160 U	140 U	170 U	170 U
4-Chloro-3-Methylphenol	150 U	140 U	170 U	140 U	160 U	140 U	170 U	170 U
2-Methylnaphthalene	2700	71 U	75 J	72 U	82 U	69 U	83 U	86 U
Hexachlorocyclopentadiene	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
2,4,6-Trichlorophenol	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
2,4,5-Trichlorophenol	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
2-Chloronaphthalene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
2-Nitroaniline	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
Dimethyl Phthalate	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Acenaphthylene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
3-Nitroaniline	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
Acenaphthene	91	71 U	84 U	72 U	82 U	69 U	83 U	86 U
2,4-Dinitrophenol	740 U	710 U	840 U	720 U	820 U	690 U	830 U	850 U
4-Nitrophenol	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
Dibenzofuran	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
2,4-Dinitrotoluene	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
2,6-Dinitrotoluene	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
Diethylphthalate	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
4-Chlorophenyl-phenylether	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Fluorene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
4-Nitroaniline	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
4,6-Dinitro-2-Methylphenol	740 U	710 U	840 U	720 U	820 U	690 U	830 U	850 U
N-Nitrosodiphenylamine(1)	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
4-Bromophenyl-phenylether	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Hexachlorobenzene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Pentachlorophenol	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
Phenanthrene	61 J	71 U	87	72 U	82 U	69 U	86	86 U
Anthracene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Di-n-Butylphthalate	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Fluoranthene	74 U	71 U	84 U	72 U	82 U	69 U	48 J	86 U
Pyrene	74 U	71 U	84 U	72 U	82 U	69 U	50 J	86 U
Butylbenzylphthalate	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
3,3'-Dichlorobenzidine	370 U	350 U	420 U	360 U	410 U	350 U	410 U	430 U
Benzo(a)Anthracene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
bis(2-Ethylhexyl)Phthalate	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Chrysene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Di-n-Octyl Phthalate	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Benzo(b)Fluoranthene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Benzo(k)Fluoranthene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Benzo(a)Pyrene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Indeno(1,2,3-cd)Pyrene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Dibenz(a,h)Anthracene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U
Benzo(ghi)Perylene	74 U	71 U	84 U	72 U	82 U	69 U	83 U	86 U

TABLE 1 (Continued)

Sample No.: / Lab ID: / Analyte	BN-A1-2.5 8624 AH	BN-A1-5.0 8624 AI	BN-A1-7.5 8624 AJ	BN-A1-12.5 8624 AL	MW-A2-2.5 8649 A	MW-A2-5.0 8649 B	MW-A2-7.5 8649 C	MW-A2-10.0 8649 D
ISOPROPYL ALCOHOL (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA
PEST/PCBs (ug/kg)								
Alpha-BHC	3.0 U	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	3.0 U	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	4.5 U	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	3.0 U	NA	NA	NA	NA	NA	NA	NA
Heptachlor	3.0 U	NA	NA	NA	NA	NA	NA	NA
Aldrin	3.0 U	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	3.0 U	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	3.0 U	NA	NA	NA	NA	NA	NA	NA
Dieldrin	6.0 U	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	20 U	NA	NA	NA	NA	NA	NA	NA
Endrin	6.0 U	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	6.0 U	NA	NA	NA	NA	NA	NA	NA
4,4-DDD	72	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	12 U	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	6.0 U	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	12 U	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	10 U	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	4.5 U	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	4.5 U	NA	NA	NA	NA	NA	NA	NA
Toxaphene	450 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016	50 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	50 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	50 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	50 U	NA	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	MW-A2-15.0	BN-A3-2.5	BN-A3-5.0	BN-A3-7.5	BN-A3-12.5	A4-2.5	A4-5.0	A4-7.5
Lab ID:	8649 E	8624 AM	8624 AN	8624 AO	8624 AQ	8603 A	8603 B	8603 C
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.6 U	2.7 U	2.3 U	2.4 U	2.3 U	7.0 U	6.2 U	5.9 U
Bromomethane	2.6 U	2.7 U	2.3 U	2.4 U	2.3 U	4.2 U	3.7 U	3.5 U
Vinyl Chloride	3.9 U	2.7 U	2.3 U	2.4 U	2.3 U	4.2 U	3.7 U	3.5 U
Chloroethane	3.9 U	2.7 U	2.3 U	2.4 U	2.3 U	4.2 U	3.7 U	3.5 U
Methylene Chloride	1.2 UJ	4.0 U	3.2 U	5.8	4.4 U	3.4 U	2.2 UJ	1.8 UJ
Acetone	43	80	46 U	110	32 U	13 U	18 U	6.7 U
Carbon Disulfide	2.6 U	3.3	0.6 M	1.2 U	1.2 U	2.8 U	2.5 U	2.4 U
1,1-Dichloroethene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	2.8 U	2.5 U	2.4 U
1,1-Dichloroethane	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Trans-1,2-Dichloroethene	NA	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Cis-1,2-Dichloroethene	NA	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
1,2-Dichloroethene (Total)	1.3 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
1,2-Dichloroethane	2.6 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
2-Butanone	6.0 J	27	16	37	15	10 U	9.2 U	8.9 U
1,1,1-Trichloroethane	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.1 M	1.2 U	1.2 U
Carbon Tetrachloride	2.6 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Vinyl Acetate	2.6 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Bromodichloromethane	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Trichlorofluoromethane	2.6 U	2.7 U	2.3 U	2.4 U	2.3 U	1.4 U	1.2 U	1.2 U
1,2-Dichloropropane	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Trans-1,3-Dichloropropene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Trichloroethene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Dibromochloromethane	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
1,1,2-Trichloroethane	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Benzene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
cis-1,3-Dichloropropene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
2-Chloroethylvinylether	2.6 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Bromoform	3.9 U	6.8 U	5.7 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
4-Methyl-2-Pentanone	2.6 U	3.9 U	3.3 U	6 U	5.8 U	2.8 U	2.5 U	2.4 U
2-Hexanone	2.6 U	6.8 U	5.7 U	6 U	5.8 U	5.6 U	4.9 U	4.7 U
Tetrachloroethene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
1,1,2,2-Tetrachloroethane	2.6 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Toluene	1.9	18	11	10	8.9	1.1 M	1.2 U	1.2 U
Chlorobenzene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Ethylbenzene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Styrene	1.3 U	1.4 U	1.1 U	1.2 U	1.2 U	1.4 U	1.2 U	1.2 U
Total Xylenes	2.6 U	2.7 U	2.3 U	2.4 U	2.3 U	2.8 U	2.5 U	2.4 U
Freon-TF	2.6 U	2.7 U	2.3 U	2.4 U	2.3 U	7.0 U	6.2 U	5.9 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	5.0 U	5.0 U	4.0 U	4.0 U	8.0	6.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	13	9.3	8.1	7.8	5.8	22	14	11
Copper	12	16	13	17	8.6	33	21	10
Nickel	8.0	12	12	11	7.0	19	13	9.0
Lead	3.0	6.0	5.0	5.0	3.0	15	8.0	4.0
Zinc	24	38	32	25	20	57	38	25

TABLE 1 (Continued)

Sample No.:	MW-A2-15.0	BN-A3-2.5	BN-A3-5.0	BN-A3-7.5	BN-A3-12.5	A4-2.5	A4-5.0	A4-7.5
Lab ID:	8649 E	8624 AM	8624 AN	8624 AO	8624 AQ	8603A	8603B	8603C
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	150 U	140 U	130 U	130 U	140 U	170 U	150 U	150 U
bis(2-Chloroethyl)Ether	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
2-Chlorophenol	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
1,3-Dichlorobenzene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
1,4-Dichlorobenzene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Benzyl Alcohol	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
1,2-Dichlorobenzene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
2-Methylphenol	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
bis(2-chloroisopropyl)Ether	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
4-Methylphenol	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
N-Nitroso-Di-n-Propylamine	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Hexachloroethane	150 U	140 U	130 U	130 U	140 U	170 U	150 U	150 U
Nitrobenzene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Isophorone	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
2-Nitrophenol	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
2,4-Dimethylphenol	150 U	140 U	130 U	130 U	140 U	170 U	150 U	150 U
Benzoic Acid	740 U	690 U	670 U	670 U	700 U	830 U	730 U	750 U
bis(2-Chloroethoxy)Methane	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
2,4-Dichlorophenol	220 U	210 U	200 U	200 U	210 U	250 U	220 U	220 U
1,2,4-Trichlorobenzene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Naphthalene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
4-Chloroaniline	220 U	210 U	200 U	200 U	210 U	250 U	220 U	220 U
Hexachlorobutadiene	150 U	140 U	130 U	130 U	140 U	170 U	150 U	150 U
4-Chloro-3-Methylphenol	150 U	140 U	130 U	130 U	140 U	170 U	150 U	150 U
2-Methylnaphthalene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Hexachlorocyclopentadiene	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
2,4,6-Trichlorophenol	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
2,4,5-Trichlorophenol	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
2-Chloronaphthalene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
2-Nitroaniline	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
Dimethyl Phthalate	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Acenaphthylene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
3-Nitroaniline	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
Acenaphthene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
2,4-Dinitrophenol	740 U	690 U	670 U	670 U	700 U	830 U	730 U	750 U
4-Nitrophenol	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
Dibenzofuran	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
2,4-Dinitrotoluene	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
2,6-Dinitrotoluene	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
Diethylphthalate	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
4-Chlorophenyl-phenylether	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Fluorene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
4-Nitroaniline	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
4,6-Dinitro-2-Methylphenol	740 U	690 U	670 U	670 U	700 U	830 U	730 U	750 U
N-Nitrosodiphenylamine(1)	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
4-Bromophenyl-phenylether	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Hexachlorobenzene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Pentachlorophenol	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
Phenanthrene	74 U	69 U	67 U	67 U	70 U	73 M	73 U	75 U
Anthracene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Di-n-Butylphthalate	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Fluoranthene	74 U	69 U	67 U	67 U	70 U	99	73 U	75 U
Pyrene	74 U	69 U	67 U	67 U	70 U	100	73 U	75 U
Butylbenzylphthalate	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
3,3'-Dichlorobenzidine	370 U	340 U	330 U	340 U	350 U	410 U	360 U	370 U
Benzo(a)Anthracene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
bis(2-Ethylhexyl)Phthalate	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Chrysene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Di-n-Octyl Phthalate	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Benzo(b)Fluoranthene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Benzo(k)Fluoranthene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Benzo(a)Pyrene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Indeno(1,2,3-cd)Pyrene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Dibenz(a,h)Anthracene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U
Benzo(ghi)Perylene	74 U	69 U	67 U	67 U	70 U	83 U	73 U	75 U

TABLE 1 (Continued)

Sample No.:	A4A-10.0	A4A-15.0	A4A-20.0	BN-A5-2.5	BN-A5-5.0	BN-A5-7.5	BN-A6-2.5	BN-A6-5.0	BN-A6-7.5
Lab ID:	8603 D	8603 E	8603 F	8624 AR	8624 AS	8624 AT	8637 V	8637 W	8637 X
Analyte									
VOLATILE ORGANICS (ug/kg)									
Chloromethane	6.2 U	6.0 U	6.3 U	2.1 U	2.0 U	2.7 U	2.2 U	2.2 U	2.2 U
Bromomethane	3.7 U	3.6 U	3.8 U	2.1 U	2.0 U	2.7 U	2.2 U	2.2 U	2.2 U
Vinyl Chloride	3.7 U	3.6 U	3.8 U	2.1 U	2.0 U	2.7 U	3.3 U	3.2 U	3.4 U
Chloroethane	3.7 U	3.6 U	3.8 U	2.1 U	2.0 U	2.7 U	3.3 U	3.2 U	3.4 U
Methylene Chloride	1.9 UJ	2.6 U	3.5 U	2.4 U	2.8 U	3.2 U	2.0 U	1.8 U	1.8 U
Acetone	30 U	23 U	13 U	5.8 U	12 U	76 U	7.8	5.4 U	5.6 U
Carbon Disulfide	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	0.9 J	2.2 U	2.2 U	2.2 U
1,1-Dichloroethene	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Trans-1,2-Dichloroethene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	NA	NA	NA
Cis-1,2-Dichloroethene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	NA	NA	NA
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	1.1 U	1.1 U	1.1 U
Chloroform	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
1,2-Dichloroethane	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	2.2 U	2.2 U	2.2 U
2-Butanone	12	4.1 J	9.4 U	5.2 U	5.0 U	23	8.3 U	8.1 U	8.4 U
1,1,1-Trichloroethane	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Carbon Tetrachloride	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	2.2 U	2.2 U	2.2 U
Vinyl Acetate	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	2.2 U	2.2 U	2.2 U
Bromodichloromethane	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	1.2 U	1.2 U	1.3 U	2.1 U	2.0 U	2.7 U	2.2 U	2.2 U	2.2 U
1,2-Dichloropropane	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Trans-1,3-Dichloropropene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	2.2 U	2.2 U	2.2 U
Trichloroethene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Dibromochloromethane	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
1,1,2-Trichloroethane	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Benzene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
cis-1,3-Dichloropropene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
2-Chloroethylvinylether	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	2.2 U	2.2 U	2.2 U
Bromoform	1.2 U	1.2 U	1.3 U	5.2 U	5.0 U	6.8 U	3.3 U	3.2 U	3.4 U
4-Methyl-2-Pentanone	2.5 U	2.4 U	2.5 U	3.0 U	2.9 U	4.0 U	2.2 U	2.2 U	2.2 U
2-Hexanone	5.0 U	4.8 U	5.0 U	5.2 U	5.0 U	6.8 U	2.2 U	2.2 U	2.2 U
Tetrachloroethene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	2.2 U	2.2 U	2.2 U
Toluene	0.7 M	1.4	1.3 U	1.0 U	1.2	1.4 U	1.1 U	1.1 U	1.1 U
Chlorobenzene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Ethylbenzene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Styrene	1.2 U	1.2 U	1.3 U	1.0 U	1.0 U	1.4 U	1.1 U	1.1 U	1.1 U
Total Xylenes	2.5 U	2.4 U	2.5 U	2.1 U	1.6 M	2.7 U	2.2 U	2.2 U	2.2 U
Freon-TF	6.2 U	6.0 U	6.3 U	2.1 U	2.0 U	2.7 U	2.2 U	2.2 U	2.2 U
METALS (mg/kg-dry)									
Arsenic	5.0 U	5.0 U	4.0 U	5.0 U	4.0 U	6.0 U	5.0 U	6.0	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U
Chromium	19	12	11	10	7.8	11	12	11	12
Copper	26	9.2	8.7	14	19	23	14	12	13
Nickel	16	7.0	8.0	12	10	14	10	9.0	11
Lead	11	4.0	4.0	7.0	40	8.0	6.0	6.0	8.0
Zinc	51	21	23	37	30	41	36	31	32

TABLE 1 (Continued)

Sample No.:	A4-10.0	A4-15.0	A4-20.0	BN-A5-2.5	BN-A5-5.0	BN-A5-7.5	BN-A6-2.5	BN-A6-5.0	BN-A6-7.5
Lab ID:	8603D	8603E	8603F	8624 AR	8624 AS	8624 AT	8637 V	8637 W	8637 Y
Analyte									
SEMIVOLATILE ORGANICS (ug/kg)									
Phenol	160 U	150 U	150 U	120 U	120 U	150 U	130 U	130 U	140 U
bis(2-Chloroethyl)Ether	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
2-Chlorophenol	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
1,3-Dichlorobenzene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
1,4-Dichlorobenzene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Benzyl Alcohol	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
1,2-Dichlorobenzene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
2-Methylphenol	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
bis(2-chloroisopropyl)Ether	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
4-Methylphenol	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
N-Nitroso-Di-n-Propylamine	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Hexachloroethane	160 U	150 U	150 U	120 U	120 U	150 U	130 U	130 U	140 U
Nitrobenzene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Isophorone	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
2-Nitrophenol	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
2,4-Dimethylphenol	160 U	150 U	150 U	120 U	120 U	150 U	130 U	130 U	140 U
Benzoic Acid	810 U	740 U	740 U	620 U	610 U	740 U	650 U	640 U	690 U
bis(2-Chloroethoxy)Methane	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
2,4-Dichlorophenol	240 U	220 U	220 U	190 U	180 U	220 U	190 U	190 U	210 U
1,2,4-Trichlorobenzene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Naphthalene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
4-Chloroaniline	240 U	220 U	220 U	190 U	180 U	220 U	190 U	190 U	210 U
Hexachlorobutadiene	160 U	150 U	150 U	120 U	120 U	150 U	130 U	130 U	140 U
4-Chloro-3-Methylphenol	160 U	150 U	150 U	120 U	120 U	150 U	130 U	130 U	140 U
2-Methylnaphthalene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Hexachlorocyclopentadiene	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
2,4,6-Trichlorophenol	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
2,4,5-Trichlorophenol	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
2-Chloronaphthalene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
2-Nitroaniline	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
Dimethyl Phthalate	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Acenaphthylene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
3-Nitroaniline	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
Acenaphthene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
2,4-Dinitrophenol	810 U	740 U	740 U	620 U	610 U	740 U	650 U	640 U	690 U
4-Nitrophenol	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
Dibenzofuran	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
2,4-Dinitrotoluene	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
2,6-Dinitrotoluene	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
Diethylphthalate	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
4-Chlorophenyl-phenylether	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Fluorene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
4-Nitroaniline	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
4,6-Dinitro-2-Methylphenol	810 U	740 U	740 U	620 U	610 U	740 U	650 U	640 U	690 U
N-Nitrosodiphenylamine(1)	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
4-Bromophenyl-phenylether	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Hexachlorobenzene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Pentachlorophenol	410 U	370 U	370 U	170 J	610	370 U	320 U	320 U	350 U
Phenanthrene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Anthracene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Di-n-Butylphthalate	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Fluoranthene	81 U	74 U	74 U	62 U	49 J	74 U	65 U	64 U	70 U
Pyrene	81 U	74 U	74 U	62 U	54 J	74 U	65 U	64 U	70 U
Butylbenzylphthalate	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
3,3'-Dichlorobenzidine	410 U	370 U	370 U	310 U	310 U	370 U	320 U	320 U	350 U
Benzo(a)Anthracene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
bis(2-Ethylhexyl)Phthalate	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Chrysene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Di-n-Octyl Phthalate	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Benzo(b)Fluoranthene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Benzo(k)Fluoranthene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Benzo(a)Pyrene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Indeno(1,2,3-cd)Pyrene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Dibenz(a,h)Anthracene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U
Benzo(ghi)Perylene	81 U	74 U	74 U	62 U	61 U	74 U	65 U	64 U	70 U

TABLE 1 (Continued)

Sample No.:	BN-A6-12.5	BN-A7-2.5	BN-A7-5.0	BN-A7-7.5	BN-A7-12.5	BN-A8-2.5	BN-A8-5.0	BN-A8-7.5
Lab ID:	8637 Y	8637 R	8637 S	8637 T	8637 U	8624 AB	8624 AC	8624 AD
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	2.1 U	2.1 U	2.6 U
Bromomethane	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	2.1 U	2.1 U	2.6 U
Vinyl Chloride	3.7 U	3.9 U	3.8 U	3.7 U	3.7 U	2.1 U	2.1 U	2.6 U
Chloroethane	3.7 U	3.9 U	3.8 U	3.7 U	3.7 U	2.1 U	2.1 U	2.6 U
Methylene Chloride	2.2 U	2.5 U	1.6 U	1.3 U	1.8 U	2.3 U	2.3 U	3.1 U
Acetone	6.1 U	6.4 U	6.4 U	46	37	5.4 U	10 U	9.4 U
Carbon Disulfide	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	0.7 J
1,1-Dichloroethene	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
1,1-Dichloroethane	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	1.0 U	1.0 U	1.3 U
Cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	1.0 U	1.0 U	1.3 U
1,2-Dichloroethene (Total)	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	NA	NA	NA
Chloroform	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
1,2-Dichloroethane	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	1.3 U
2-Butanone	9.1 U	9.7 U	9.5 U	9.1 U	9.2 U	5.2 U	5.1 U	6.4 U
1,1,1-Trichloroethane	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Carbon Tetrachloride	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	1.3 U
Vinyl Acetate	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	1.3 U
Bromodichloromethane	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Trichlorofluoromethane	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	2.1 U	2.1 U	2.6 U
1,2-Dichloropropane	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Trans-1,3-Dichloropropene	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	1.3 U
Trichloroethene	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Dibromochloromethane	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
1,1,2-Trichloroethane	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Benzene	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
cis-1,3-Dichloropropene	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
2-Chloroethylvinylether	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	1.3 U
Bromoform	3.7 U	3.9 U	3.8 U	3.7 U	3.7 U	1.0 U	1.0 U	1.3 U
4-Methyl-2-Pentanone	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	5.2 U	5.1 U	6.4 U
2-Hexanone	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	5.2 U	5.1 U	6.4 U
Tetrachloroethene	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
1,1,2,2-Tetrachloroethane	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	1.0 U	1.0 U	1.3 U
Toluene	1.2 U	1.3 U	1.3 U	1.2 U	1.9	2.2	7.1	5.8
Chlorobenzene	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Ethylbenzene	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Styrene	1.2 U	1.3 U	1.3 U	1.2 U	1.2 U	1.0 U	1.0 U	1.3 U
Total Xylenes	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	2.1 U	2.1 U	2.6 U
Freon-TF	2.4 U	2.6 U	2.5 U	2.4 U	2.5 U	2.1 U	2.1 U	2.6 U
METALS (mg/kg-dry)								
Arsenic	6.0 U	5.0 U	8.0	6.0 U	6.0 U	4.0 U	4.0 U	6.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	9.4	10	14	12	9.8	6.8	8.8	12
Copper	9.3	10	19	14	9.9	11	13	25
Nickel	8.0	9.0	12	8.0	8.0	9.0	11	14
Lead	3.0	5.0	10	4.0	3.0 U	4.0	6.0	23
Zinc	21	28	41	24	21	28	32	54

NOTE: A6-7.5 is Lab ID 8637-Y for metals and semivolatiles.
A6-12.5 is Lab ID 8637-X for metals and semivolatiles.
A6-7.5 is Lab ID 8637-X for volatile organics.
A6-12.5 is Lab ID 8637-Y for volatile organics.

TABLE 1 (Continued)

Sample No.:	BN-A6-12.5	BN-A7-2.5	BN-A7-5.0	BN-A7-7.5	BN-A7-12.5	BN-A8-2.5	BN-A8-5.0	BN-A8-7.5
Lab ID:	8637 X	8637 R	8637 S	8637 T	8637 U	8624 AB	8624 AC	8624 AD
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	140 U	120 U	150 U	150 U	140 U	120 U	130 U	150 U
bis(2-Chloroethyl)Ether	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
2-Chlorophenol	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
1,3-Dichlorobenzene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
1,4-Dichlorobenzene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Benzyl Alcohol	360 U	310 U	380 U	370 U	340 U	310 U	320 U	380 U
1,2-Dichlorobenzene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
2-Methylphenol	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
bis(2-chloroisopropyl)Ether	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
4-Methylphenol	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
N-Nitroso-Di-n-Propylamine	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Hexachloroethane	140 U	120 U	150 U	150 U	140 U	120 U	130 U	150 U
Nitrobenzene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Isophorone	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
2-Nitrophenol	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
2,4-Dimethylphenol	140 U	120 U	150 U	150 U	140 U	120 U	130 U	150 U
Benzoic Acid	720 U	620 U	770 U	740 U	690 U	610 U	630 U	760 U
bis(2-Chloroethoxy)Methane	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
2,4-Dichlorophenol	220 U	190 U	230 U	220 U	210 U	180 U	190 U	230 U
1,2,4-Trichlorobenzene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Naphthalene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
4-Chloroaniline	220 U	190 U	230 U	220 U	210 U	180 U	190 U	230 U
Hexachlorobutadiene	140 U	120 U	150 U	150 U	140 U	120 U	130 U	150 U
4-Chloro-3-Methylphenol	140 U	120 U	150 U	150 U	140 U	120 U	130 U	150 U
2-Methylnaphthalene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Hexachlorocyclopentadiene	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
2,4,6-Trichlorophenol	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
2,4,5-Trichlorophenol	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
2-Chloronaphthalene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
2-Nitroaniline	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
Dimethyl Phthalate	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Acenaphthylene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
3-Nitroaniline	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
Acenaphthene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
2,4-Dinitrophenol	720 U	620 U	770 U	740 U	690 U	610 U	630 U	760 U
4-Nitrophenol	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
Dibenzofuran	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
2,4-Dinitrotoluene	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
2,6-Dinitrotoluene	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
Diethylphthalate	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
4-Chlorophenyl-phenylether	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Fluorene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
4-Nitroaniline	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
4,6-Dinitro-2-Methylphenol	720 U	620 U	770 U	740 U	690 U	610 U	630 U	760 U
N-Nitrosodiphenylamine(1)	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
4-Bromophenyl-phenylether	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Hexachlorobenzene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Pentachlorophenol	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
Phenanthrene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Anthracene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Di-n-Butylphthalate	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Fluoranthene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Pyrene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Butylbenzylphthalate	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
3,3'-Dichlorobenzidine	360 U	310 U	380 U	370 U	340 U	300 U	320 U	380 U
Benzo(a)Anthracene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
bis(2-Ethylhexyl)Phthalate	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Chrysene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Di-n-Octyl Phthalate	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Benzo(b)Fluoranthene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Benzo(k)Fluoranthene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Benzo(a)Pyrene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Indeno(1,2,3-cd)Pyrene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Dibenz(a,h)Anthracene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U
Benzo(ghi)Perylene	72 U	62 U	77 U	74 U	69 U	61 U	63 U	77 U

TABLE 1 (Continued)

Sample No.:	BN-A8-15.0	MW-A9-2.5	MW-A9-5.0	MW-A9-7.5	MW-A9-10.0	MW-A9-15.0	BN-B1A-2.5	BN-B1A-5.0
Lab ID:	8624 AG	8649 F	8649 G	8649 H	8649 I	8649 J	8637 A	8637 B
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.5 U	2.0 U	2.2 U	6.7 UJ	6.6 U	6.4 U	3.1 U	2.4 U
Bromomethane	2.5 U	2.0 U	2.2 U	4.0 UJ	4.0 U	3.8 U	3.1 U	2.4 U
Vinyl Chloride	2.5 U	3.0 U	3.3 U	4.0 UJ	4.0 U	3.8 U	4.6 U	3.6 U
Chloroethane	2.5 U	3.0 U	3.3 U	4.0 UJ	4.0 U	3.8 U	4.6 U	3.6 U
Methylene Chloride	2.7 U	0.8 UJ	0.8 UJ	1.0 J	1.0 UJ	2.6 U	4.3 U	2.2 U
Acetone	11 U	5.6 U	5.4 U	1.9 UJ	3.2 UJ	1.7 UJ	550	40
Carbon Disulfide	1.2 U	2.0 U	2.2 U	2.7 UJ	2.7 U	2.6 U	2.6 J	1.2 U
1,1-Dichloroethene	1.2 U	1.0 U	1.1 U	2.7 UJ	2.7 U	2.6 U	1.5 U	1.2 U
1,1-Dichloroethane	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Trans-1,2-Dichloroethene	1.2 U	NA	NA	1.3 UJ	1.3 U	1.3 U	NA	NA
Cis-1,2-Dichloroethene	1.2 U	NA	NA	1.3 UJ	1.3 U	1.3 U	NA	NA
1,2-Dichloroethene (Total)	NA	1.0 U	1.1 U	NA	NA	NA	1.5 U	1.2 U
Chloroform	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
1,2-Dichloroethane	1.2 U	2.0 U	2.2 U	1.3 UJ	1.3 U	1.3 U	3.1 U	2.4 U
2-Butanone	6.1 U	7.4 U	8.1 U	10.1 UJ	9.9 U	9.6 U	110	17
1,1,1-Trichloroethane	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Carbon Tetrachloride	1.2 U	2.0 U	2.2 U	1.3 UJ	1.3 U	1.3 U	3.1 U	2.4 U
Vinyl Acetate	1.2 U	2.0 U	2.2 U	1.3 UJ	1.3 U	1.3 U	3.1 U	2.4 U
Bromodichloromethane	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Trichlorofluoromethane	2.5 U	2.0 U	2.2 U	1.3 UJ	1.3 U	1.3 U	3.1 U	2.4 U
1,2-Dichloropropane	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Trans-1,3-Dichloropropene	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	3.1 U	2.4 U
Trichloroethene	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Dibromochloromethane	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
1,1,2-Trichloroethane	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Benzene	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
cis-1,3-Dichloropropene	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
2-Chloroethylvinylether	1.2 U	2.0 U	2.2 U	1.3 UJ	1.3 U	1.3 U	3.1 U	2.4 U
Bromoform	1.2 U	3.0 U	3.3 U	1.3 UJ	1.3 U	1.3 U	4.6 U	3.6 U
4-Methyl-2-Pentanone	6.1 U	2.0 U	2.2 U	2.7 UJ	2.7 U	2.6 U	3.1 U	2.4 U
2-Hexanone	6.1 U	2.0 U	2.2 U	5.4 UJ	5.3 U	5.1 U	3.1 U	2.4 U
Tetrachloroethene	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
1,1,2,2-Tetrachloroethane	1.2 U	2.0 U	2.2 U	1.3 UJ	1.3 U	1.3 U	3.1 U	2.4 U
Toluene	4.1	0.9 J	1.5	7.1 J	1.3 J	1.0 J	32 J	4.1 J
Chlorobenzene	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Ethylbenzene	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Styrene	1.2 U	1.0 U	1.1 U	1.3 UJ	1.3 U	1.3 U	1.5 U	1.2 U
Total Xylenes	2.5 U	2.0 U	2.2 U	2.7 UJ	2.7 U	2.6 U	3.7	2.4 U
Freon-TF	2.5 U	2.0 U	2.2 U	6.7 UJ	6.6 U	6.4 U	3.1 U	2.4 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	4.0 U	4.0 U	6.0 U	5.0 U	5.0 U	11	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.4	0.2 U
Chromium	9.2	10	14	18	14	13	22	12
Copper	18	11	10	26	17	12	34	11
Nickel	9.0	9.0	11	14	9.0	8.0	20	11
Lead	4.0	3.0	3.0	7.0	5.0	3.0 U	17	5.0
Zinc	28	27	26	31	24	23	60	31

TABLE 1 (Continued)

Sample No.:	BN-A8-15.0	MW-A9-2.5	MW-A9-5.0	MW-A9-7.5	MW-A9-10. U	W-A9-15.0	BN-B1A-2.5	BN-B1A-5.0
Lab ID:	8624 AG	8649 F	8649 G	8649 H	8649 I	8649 J	8637 A	8637 B
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	150 U	120 U	130 U	160 U	150 U	140 U	200 U	140 U
bis(2-Chloroethyl)Ether	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
2-Chlorophenol	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
1,3-Dichlorobenzene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
1,4-Dichlorobenzene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Benzyl Alcohol	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
1,2-Dichlorobenzene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
2-Methylphenol	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
bis(2-chloroisopropyl)Ether	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
4-Methylphenol	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
N-Nitroso-Di-n-Propylamine	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Hexachloroethane	150 U	120 U	130 U	160 U	150 U	140 U	200 U	140 U
Nitrobenzene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Isophorone	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
2-Nitrophenol	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
2,4-Dimethylphenol	150 U	120 U	130 U	160 U	150 U	140 U	200 U	140 U
Benzoic Acid	760 U	610 U	630 U	810 U	750 U	710 U	1000 U	700 U
bis(2-Chloroethoxy)Methane	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
2,4-Dichlorophenol	230 U	180 U	190 U	240 U	230 U	210 U	300 U	210 U
1,2,4-Trichlorobenzene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Naphthalene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
4-Chloroaniline	230 U	180 U	190 U	240 U	230 U	210 U	300 U	210 U
Hexachlorobutadiene	150 U	120 U	130 U	160 U	150 U	140 U	200 U	140 U
4-Chloro-3-Methylphenol	150 U	120 U	130 U	160 U	150 U	140 U	200 U	140 U
2-Methylnaphthalene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Hexachlorocyclopentadiene	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
2,4,6-Trichlorophenol	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
2,4,5-Trichlorophenol	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
2-Chloronaphthalene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
2-Nitroaniline	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
Dimethyl Phthalate	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Acenaphthylene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
3-Nitroaniline	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
Acenaphthene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
2,4-Dinitrophenol	760 U	610 U	630 U	810 U	750 U	710 U	1000 U	700 U
4-Nitrophenol	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
Dibenzofuran	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
2,4-Dinitrotoluene	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
2,6-Dinitrotoluene	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
Diethylphthalate	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
4-Chlorophenyl-phenylether	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Fluorene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
4-Nitroaniline	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
4,6-Dinitro-2-Methylphenol	760 U	610 U	630 U	810 U	750 U	710 U	1000 U	700 U
N-Nitrosodiphenylamine(1)	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
4-Bromophenyl-phenylether	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Hexachlorobenzene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Pentachlorophenol	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
Phenanthrene	76 U	61 U	63 U	81 U	75 U	71 U	110 M	70 U
Anthracene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Di-n-Butylphthalate	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Fluoranthene	76 U	61 U	63 U	81 U	75 U	71 U	54 J	70 U
Pyrene	76 U	61 U	63 U	81 U	75 U	71 U	78 J	70 U
Butylbenzylphthalate	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
3,3'-Dichlorobenzidine	380 U	310 U	310 U	400 U	380 U	350 U	510 U	350 U
Benzo(a)Anthracene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
bis(2-Ethylhexyl)Phthalate	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Chrysene	76 U	61 U	63 U	81 U	75 U	71 U	52 M	70 U
Di-n-Octyl Phthalate	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Benzo(b)Fluoranthene	76 U	61 U	63 U	81 U	75 U	71 U	*	70 U
Benzo(k)Fluoranthene	76 U	61 U	63 U	81 U	75 U	71 U	100 M	70 U
Benzo(a)Pyrene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Indeno(1,2,3-cd)Pyrene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Dibenz(a,h)Anthracene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U
Benzo(ghi)Perylene	76 U	61 U	63 U	81 U	75 U	71 U	100 U	70 U

TABLE 1 (Continued)

Sample No.:	BN-B1A-7.5	BN-B1A-10.0	BN-B1A-15.0	B1B-30.0	B1B-50.0	B1B-73.0	B1B-95.0	BN-B2-2.5
Lab ID:	8637 C	8637 D	8637 E	8656 A	8656 B	8667 A	8674 O	8637 F
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.1 U	2.5 U	3.1 U	2.3 U	2.7 U	2.8 U	2.4 U	2.1 U
Bromomethane	2.1 U	2.5 U	3.1 U	2.3 U	2.7 U	2.8 U	2.4 U	2.1 U
Vinyl Chloride	3.1 U	3.8 U	4.6 U	2.3 U	2.7 U	4.2 U	2.4 U	3.2 U
Chloroethane	3.1 U	3.8 U	4.6 U	2.3 U	2.7 U	4.2 U	2.4 U	3.2 U
Methylene Chloride	1.3 U	1.8 U	3.0 U	1.7 UJ	1.7 UJ	1.4 U	2.2 UJ	1.6 U
Acetone	56	26	110	30 U	22 U	11	6.9 U	96
Carbon Disulfide	1.0 U	1.3 U	1.5 U	1.1 J	1.1 J	2.8 U	1.7	1.1 U
1,1-Dichloroethene	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
1,1-Dichloroethane	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Trans-1,2-Dichloroethene	NA	NA	NA	1.2 U	1.3 U	NA	1.2 U	NA
Cis-1,2-Dichloroethene	NA	NA	NA	1.2 U	1.3 U	NA	1.2 U	NA
1,2-Dichloroethene (Total)	1.0 U	1.3 U	1.5 U	NA	NA	1.4 U	NA	1.1 U
Chloroform	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
1,2-Dichloroethane	2.1 U	2.5 U	3.1 U	1.2 U	1.3 U	2.8 U	1.2 U	2.1 U
2-Butanone	14	9.4 U	32	12	8.7	10.5 U	4.0 J	9.3
1,1,1-Trichloroethane	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Carbon Tetrachloride	2.1 U	2.5 U	3.1 U	1.2 U	1.3 U	2.8 U	1.2 U	2.1 U
Vinyl Acetate	2.1 U	2.5 U	3.1 U	1.2 U	1.3 U	2.8 U	1.2 U	2.1 U
Bromodichloromethane	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Trichlorofluoromethane	2.1 U	2.5 U	3.1 U	2.3 U	2.7 U	2.8 U	2.4 U	2.1 U
1,2-Dichloropropane	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Trans-1,3-Dichloropropene	2.1 U	2.5 U	3.1 U	1.2 U	1.3 U	2.8 U	1.2 U	2.1 U
Trichloroethene	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Dibromochloromethane	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
1,1,2-Trichloroethane	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Benzene	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
cis-1,3-Dichloropropene	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
2-Chloroethylvinylether	2.1 U	2.5 U	3.1 U	1.2 U	1.3 U	2.8 U	1.2 U	2.1 U
Bromoform	3.1 U	3.8 U	4.6 U	1.2 U	1.3 U	4.2 U	1.2 U	3.2 U
4-Methyl-2-Pentanone	2.1 U	2.5 U	3.1 U	5.8 U	6.7 U	2.8 U	5.9 U	2.1 U
2-Hexanone	2.1 U	2.5 U	3.1 U	5.8 U	6.7 U	2.8 U	5.9 U	2.1 U
Tetrachloroethene	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
1,1,2,2-Tetrachloroethane	2.1 U	2.5 U	3.1 U	1.2 U	1.3 U	2.8 U	1.2 U	2.1 U
Toluene	2.2 J	0.8 MJ	4.3 J	4.7	0.7 M	1.4 U	4.1	15
Chlorobenzene	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Ethylbenzene	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Styrene	1.0 U	1.3 U	1.5 U	1.2 U	1.3 U	1.4 U	1.2 U	1.1 U
Total Xylenes	2.1 U	2.5 U	3.1 U	2.3 U	2.7 U	2.8 U	2.4 U	3.2
Freon-TF	2.1 U	1.5 M	3.1 U	2.3 U	2.7 U	2.8 U	2.4 U	2.1 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	5.0	5.0 U	5.0 U	6.0 U	6.0 U	4.0 U	4.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	9.1	11	11	7.9	13	21	12	29
Copper	10	11	12	10	32	48	9.6	135
Nickel	8.0	10	10	6.0	11	17	12	42
Lead	3.0	5.0	4.0	3.0 U	5.0	7.0	2.0 U	7.0
Zinc	24	29	28	18	25	42	19	69

TABLE 1 (Continued)

Sample No.:	BN-B1A-7.5	BN-B1A-10.0	BN-B1A-15.0	B1B-30.0	B1B-50.0	B1B-73.0	B1B-95.0	BN-B2-2.5
Lab ID:	8637 C	8637 D	8637 E	8656 A	8656 B	8667 A	8674 O	8637 F
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	130 U	140 U	140 U	130 U	160 U	170 U	150 U	130 U
bis(2-Chloroethyl)Ether	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
2-Chlorophenol	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
1,3-Dichlorobenzene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
1,4-Dichlorobenzene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Benzyl Alcohol	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
1,2-Dichlorobenzene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
2-Methylphenol	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
bis(2-chloroisopropyl)Ether	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
4-Methylphenol	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
N-Nitroso-Di-n-Propylamine	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Hexachloroethane	130 U	140 U	140 U	130 U	160 U	170 U	150 U	130 U
Nitrobenzene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Isophorone	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
2-Nitrophenol	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
2,4-Dimethylphenol	130 U	140 U	140 U	130 U	160 U	170 U	150 U	130 U
Benzoic Acid	650 U	720 U	720 U	660 U	780 U	850 U	770 U	670 U
bis(2-Chloroethoxy)Methane	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
2,4-Dichlorophenol	200 U	220 U	220 U	200 U	240 U	260 U	230 U	200 U
1,2,4-Trichlorobenzene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Naphthalene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
4-Chloroaniline	200 U	220 U	220 U	200 U	240 U	260 U	230 U	200 U
Hexachlorobutadiene	130 U	140 U	140 U	130 U	160 U	170 U	150 U	130 U
4-Chloro-3-Methylphenol	130 U	140 U	140 U	130 U	160 U	170 U	150 U	130 U
2-Methylnaphthalene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Hexachlorocyclopentadiene	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
2,4,6-Trichlorophenol	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
2,4,5-Trichlorophenol	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
2-Chloronaphthalene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
2-Nitroaniline	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
Dimethyl Phthalate	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Acenaphthylene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
3-Nitroaniline	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
Acenaphthene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
2,4-Dinitrophenol	650 U	720 U	720 U	660 U	780 U	850 U	770 U	670 U
4-Nitrophenol	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
Dibenzofuran	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
2,4-Dinitrotoluene	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
2,6-Dinitrotoluene	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
Diethylphthalate	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
4-Chlorophenyl-phenylether	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Fluorene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
4-Nitroaniline	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
4,6-Dinitro-2-Methylphenol	650 U	720 U	720 U	660 U	780 U	850 U	770 U	670 U
N-Nitrosodiphenylamine(1)	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
4-Bromophenyl-phenylether	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Hexachlorobenzene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Pentachlorophenol	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
Phenanthrene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Anthracene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Di-n-Butylphthalate	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Fluoranthene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Pyrene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Butylbenzylphthalate	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
3,3'-Dichlorobenzidine	330 U	360 U	360 U	330 U	390 U	430 U	390 U	340 U
Benzo(a)Anthracene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
bis(2-Ethylhexyl)Phthalate	66 U	72 U	72 U	66 U	78 U	85 U	77 U	53 M
Chrysene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Di-n-Octyl Phthalate	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Benzo(b)Fluoranthene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Benzo(k)Fluoranthene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Benzo(a)Pyrene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Indeno(1,2,3-cd)Pyrene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Dibenz(a,h)Anthracene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U
Benzo(ghi)Perylene	66 U	72 U	72 U	66 U	78 U	85 U	77 U	67 U

TABLE 1 (Continued)

Analyte	Sample No.: BN-B1A-7.5 Lab ID: 8637 C	BN-B1A-10.0 8637 D	BN-B1A-15.0 8637 E	B1B-30.0 8656 A	B1B-50.0 8656 B	B1B-73.0 8667 A	B1B-95.0 8674 O	BN-B2-2.5 8637 F
ISOPROPYL ALCOHOL (mg/kg)	NA	NA	NA	NA	NA	NA	NA	3 U
PEST/PCBs (ug/kg)								
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDD	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	BN-B2-5.0	BN-B2-7.5	BN-B2-10.0	BN-B2-15.0	BN-B3-2.5	BN-B3-5.0	BN-B3-7.5	BN-B3-10.0
Lab ID:	8637 G	8637 H	8637 I	8637 J	8684 I	8684 J	8684 K	8684 L
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	14 U	3.4 U	2.4 U	2.9 U	7.1 U	2.5 U	6.0 U	6.6 U
Bromomethane	14 U	3.4 U	2.4 U	2.9 U	4.2 U	2.5 U	3.6 U	4.0 U
Vinyl Chloride	21 U	5.0 U	3.7 U	4.4 U	4.2 U	2.5 U	3.6 U	4.0 U
Chloroethane	21 U	5.0 U	3.7 U	4.4 U	4.2 U	2.5 U	3.6 U	4.0 U
Methylene Chloride	11 U	2.7 U	3.1 U	5.2 U	2.1 UJ	3.0 U	2.6 U	2.1 UJ
Acetone	2200 U	240	180	430 K	8.3 U	9.9 U	17 U	16 U
Carbon Disulfide	6.9 U	1.7 U	2.4 U	2.9 U	2.8 U	1.4	2.4 U	2.7 U
1,1-Dichloroethene	6.9 U	1.7 U	1.2 U	1.5 U	2.8 U	1.2 U	2.4 U	2.7 U
1,1-Dichloroethane	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
Trans-1,2-Dichloroethene	NA	NA	NA	NA	1.4 U	1.2 U	1.2 U	1.3 U
Cis-1,2-Dichloroethene	NA	NA	NA	NA	1.4 U	1.2 U	1.2 U	1.3 U
1,2-Dichloroethene (Total)	6.9 U	1.7 U	1.2 U	1.5 U	NA	NA	NA	NA
Chloroform	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
1,2-Dichloroethane	14 U	3.4 U	2.4 U	2.9 U	1.4 U	1.2 U	1.2 U	1.3 U
2-Butanone	54	35	16	130	11 U	6.5	6.3 J	10 U
1,1,1-Trichloroethane	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	4.2
Carbon Tetrachloride	14 U	3.4 U	2.4 U	2.9 U	1.4 U	1.2 U	1.2 U	1.3 U
Vinyl Acetate	14 U	3.4 U	2.4 U	2.9 U	1.4 U	1.2 U	1.2 U	1.3 U
Bromodichloromethane	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
Trichlorofluoromethane	14 U	3.4 U	2.4 U	2.9 U	1.4 U	2.5 U	1.2 U	1.3 U
1,2-Dichloropropane	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
Trans-1,3-Dichloropropene	14 U	3.4 U	2.4 U	2.9 U	1.4 U	1.2 U	1.2 U	1.3 U
Trichloroethene	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
Dibromochloromethane	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
1,1,2-Trichloroethane	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
Benzene	6.9 U	4.2	1.2 U	1.4 J	1.4 U	1.2 U	1.2 U	3.0
cis-1,3-Dichloropropene	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
2-Chloroethylvinylether	14 U	3.4 U	2.4 U	2.9 U	1.4 U	1.2 U	1.2 U	1.3 U
Bromoform	21 U	5.0 U	3.7 U	4.4 U	1.4 U	1.2 U	1.2 U	1.3 U
4-Methyl-2-Pentanone	14 U	3.4 U	2.4 U	2.9 U	2.8 U	6.2 U	2.4 U	2.7 U
2-Hexanone	14 U	3.4 U	2.4 U	2.9 U	5.7 U	6.2 U	4.8 U	5.3 U
Tetrachloroethene	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
1,1,2,2-Tetrachloroethane	14 U	3.4 U	2.4 U	2.9 U	1.4 U	1.2 U	1.2 U	1.3 U
Toluene	8000 J	150	17	48	1.4 MJ	8.7 J	19 J	4.1 J
Chlorobenzene	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
Ethylbenzene	23	1.7 U	1.2 U	0.7 M	1.4 U	1.2 U	1.2 U	1.3 U
Styrene	6.9 U	1.7 U	1.2 U	1.5 U	1.4 U	1.2 U	1.2 U	1.3 U
Total Xylenes	30	3.2 J	2.4 U	5.4	2.8 U	2.5 U	2.4 U	2.7 U
Freon-TF	14 U	3.4 U	2.4 U	2.9 U	7.1 U	2.5 U	6.0 U	6.6 U
METALS (mg/kg-dry)								
Arsenic	6.0	9.0	7.0	7.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cadmium	0.2 U	0.3 U	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	11	21	17	15	13	13	13	18
Copper	18	37	24	24	25	20	21	21
Nickel	10	19	15	13	15	11	15	17
Lead	5.0	23	10	8.0	14	5.0	4.0	9.0
Zinc	30	63	42	34	35	28	47	54

TABLE 1 (Continued)

Sample No.:	BN-B2-5.0	BN-B2-7.5	BN-B2-10.0	BN-B2-15.0	BN-B3-2.5	BN-B3-5.0	BN-B3-7.5	BN-B3-10.0
Lab ID:	8637 G	8637 H	8637 I	8637 J	8684 I	8684 J	8684 K	8684 L
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	5700	180 U	210 M	170 U	160 U	140 U	140 U	160 U
bis(2-Chloroethyl)Ether	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
2-Chlorophenol	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
1,3-Dichlorobenzene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
1,4-Dichlorobenzene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Benzyl Alcohol	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
1,2-Dichlorobenzene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
2-Methylphenol	790	88 U	84 U	85 U	81 U	69 U	72 U	80 U
bis(2-chloroisopropyl)Ether	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
4-Methylphenol	24000	4200	2000	190	81 U	69 U	72 U	80 U
N-Nitroso-Di-n-Propylamine	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Hexachloroethane	150 U	180 U	170 U	170 U	160 U	140 U	140 U	160 U
Nitrobenzene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Isophorone	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
2-Nitrophenol	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
2,4-Dimethylphenol	150 U	180 U	170 U	170 U	160 U	140 U	140 U	160 U
Benzoic Acid	2300	880 U	840 U	850 U	810 U	690 U	720 U	800 U
bis(2-Chloroethoxy)Methane	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
2,4-Dichlorophenol	220 U	260 U	250 U	250 U	240 U	210 U	220 U	240 U
1,2,4-Trichlorobenzene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Naphthalene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
4-Chloroaniline	220 U	260 U	250 U	250 U	240 U	210 U	220 U	240 U
Hexachlorobutadiene	150 U	180 U	170 U	170 U	160 U	140 U	140 U	160 U
4-Chloro-3-Methylphenol	150 U	180 U	170 U	170 U	160 U	140 U	140 U	160 U
2-Methylnaphthalene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Hexachlorocyclopentadiene	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
2,4,6-Trichlorophenol	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
2,4,5-Trichlorophenol	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
2-Chloronaphthalene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
2-Nitroaniline	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
Dimethyl Phthalate	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Acenaphthylene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
3-Nitroaniline	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
Acenaphthene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	90
2,4-Dinitrophenol	740 U	880 U	840 U	850 U	810 U	690 U	720 U	800 U
4-Nitrophenol	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
Dibenzofuran	74 U	88 U	84 U	85 U	81 U	69 U	72 U	100
2,4-Dinitrotoluene	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
2,6-Dinitrotoluene	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
Diethylphthalate	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
4-Chlorophenyl-phenylether	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Fluorene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	230
4-Nitroaniline	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
4,6-Dinitro-2-Methylphenol	740 U	880 U	840 U	850 U	810 U	690 U	720 U	800 U
N-Nitrosodiphenylamine(1)	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
4-Bromophenyl-phenylether	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Hexachlorobenzene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Pentachlorophenol	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
Phenanthrene	74 U	40 M	84 U	85 U	81 U	69 U	72 U	1900
Anthracene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	320
Di-n-Butylphthalate	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Fluoranthene	74 U	55 J	84 U	85 U	81 U	69 U	72 U	2000
Pyrene	74 U	55 M	84 U	85 U	81 U	69 U	72 U	1500
Butylbenzylphthalate	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
3,3'-Dichlorobenzidine	370 U	440 U	420 U	420 U	400 U	350 U	360 U	400 U
Benzo(a)Anthracene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	640
bis(2-Ethylhexyl)Phthalate	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Chrysene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	710
Di-n-Octyl Phthalate	74 U	88 U	84 U	85 U	81 U	69 U	72 U	80 U
Benzo(b)Fluoranthene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	*
Benzo(k)Fluoranthene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	600
Benzo(a)Pyrene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	580
Indeno(1,2,3-cd)Pyrene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	490
Dibenz(a,h)Anthracene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	78 M
Benzo(ghi)Perylene	74 U	88 U	84 U	85 U	81 U	69 U	72 U	410

TABLE 1 (Continued)

Sample No.: / Lab ID: / Analyte	BN-B2-5.0 8637 G	BN-B2-7.5 8637 H	BN-B2-10.0 8637 I	BN-B2-15.0 8637 J	BN-B3-2.5 8684 I	BN-B3-5.0 8684 J	BN-B3-7.5 8684 K	BN-B3-10.0 8684 L
ISOPROPYL ALCOHOL (mg/kg)	NA	15 U	NA	NA	3 U	NA	NA	NA
PEST/PCBs (ug/kg)								
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDD	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.: / Lab ID: / Analyte	B4-2.5 8624 A	B4-5.0 8624 B	B4-7.5 8624 C	B4-12.5 8624 D	B4-15.0 8624 E	B4-30.0 8624 G	B4-52.5 8624 I	BN-B5-2.5 8637 L	BN-B5-5.0 8637 M
VOLATILE ORGANICS (ug/kg)									
Chloromethane	780 UJ	6.1 U	6.4 U	6.3 U	6.8 U	5.5 U	2.5 U	2.9 U	2.7 U
Bromomethane	470 UJ	3.7 U	3.8 U	3.8 U	4.1 U	3.3 U	2.5 U	2.9 U	2.7 U
Vinyl Chloride	470 UJ	3.7 U	3.8 U	3.8 U	4.1 U	3.3 U	3.8 U	4.4 U	4.1 U
Chloroethane	470 UJ	3.7 U	3.8 U	3.8 U	4.1 U	3.3 U	3.8 U	4.4 U	4.1 U
Methylene Chloride	280 J	6.7 U	3.1 U	2.2 UJ	2.4 UJ	2.3 U	2.7 U	3.2 U	3.8 U
Acetone	13000 J	54	69	6.2	10	12	34	57	1400
Carbon Disulfide	310 UJ	2.5 U	2.6 U	2.5 U	2.7 U	2.2 U	2.5 U	2.9 U	2.7 U
1,1-Dichloroethene	310 UJ	2.5 U	2.6 U	2.5 U	2.7 U	2.2 U	1.3 U	1.5 U	1.4 U
1,1-Dichloroethane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Trans-1,2-Dichloroethene	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	NA	NA	NA
Cis-1,2-Dichloroethene	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	NA	NA	NA
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	1.3 U	1.5 U	1.4 U
Chloroform	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
1,2-Dichloroethane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	2.5 U	2.9 U	2.7 U
2-Butanone	1200 UJ	9.4	16	8.8 U	9.5 U	7.8 U	9.5 U	31	280
1,1,1-Trichloroethane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Carbon Tetrachloride	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	2.5 U	2.9 U	2.7 U
Vinyl Acetate	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	2.5 U	2.9 U	2.7 U
Bromodichloromethane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Trichlorofluoromethane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	2.5 U	2.9 U	2.7 U
1,2-Dichloropropane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Trans-1,3-Dichloropropene	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	2.5 U	2.9 U	2.7 U
Trichloroethene	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Dibromochloromethane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
1,1,2-Trichloroethane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Benzene	160 UJ	1.7	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
cis-1,3-Dichloropropene	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
2-Chloroethylvinylether	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	2.5 U	2.9 U	2.7 U
Bromoform	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	3.8 U	4.4 U	4.1 U
4-Methyl-2-Pentanone	310 UJ	2.5 U	2.6 U	2.5 U	2.7 U	2.2 U	2.5 U	2.9 U	2.7 U
2-Hexanone	620 UJ	4.9 U	5.1 U	5.0 U	5.5 U	4.4 U	2.5 U	2.9 U	2.7 U
Tetrachloroethene	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
1,1,2,2-Tetrachloroethane	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	2.5 U	2.9 U	2.7 U
Toluene	2000 J	1500	6.6	9.2	8.1	2.3	1.6	18	17
Chlorobenzene	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Ethylbenzene	160 J	4.7	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Styrene	160 UJ	1.2 U	1.3 U	1.3 U	1.4 U	1.1 U	1.3 U	1.5 U	1.4 U
Total Xylenes	310 J	4.8	2.6 U	2.5 U	2.7 U	2.2 U	2.5 U	2.9 U	3.0 M
Freon-TF	780 UJ	6.1 U	6.4 U	6.3 U	6.8 U	5.5 U	2.5 U	2.9 U	2.7 U
METALS (mg/kg-dry)									
Arsenic	4.0 U	5.0 U	6.0 U	7.0 U	7.0 U	6.0 U	5.0 U	6.0 U	6.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	6.5	8.0	12	8.1	15	6.5	7.2	9.4	15
Copper	9.3	13	22	11	20	11	16	12	22
Nickel	9.0	11	14	8.0	13	11	8.0	9.0	13
Lead	4.0	6.0	10	3.0 U	6.0	3.0	3.0	5.0	11
Zinc	27	32	37	20	30	26	23	27	31

TABLE 1 (Continued)

Sample No.:	B4-2.5	B4-5.0	B4-7.5	B4-12.5	B4-15.0	B4-30.0	B4-52.5	BN-B5-2.5	BN-B5-5.0
Lab ID:	8624 A	8624 B	8624 C	8624 D	8624 E	8624 G	8624 I	8637 L	8637 M
Analyte									
SEMIVOLATILE ORGANICS (ug/kg)									
Phenol	1200	320	160 U	160 U	140 U	140 U	150 U	130 U	160 U
bis(2-Chloroethyl)Ether	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
2-Chlorophenol	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
1,3-Dichlorobenzene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
1,4-Dichlorobenzene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Benzyl Alcohol	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
1,2-Dichlorobenzene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
2-Methylphenol	260	350	78 U	80 U	72 U	71 U	77 U	66 U	82 U
bis(2-chloroisopropyl)Ether	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
4-Methylphenol	470	690	78 U	80 U	72 U	71 U	77 U	66 U	82 U
N-Nitroso-Di-n-Propylamine	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Hexachloroethane	130 U	150 U	160 U	160 U	140 U	140 U	150 U	130 U	160 U
Nitrobenzene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Isophorone	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
2-Nitrophenol	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
2,4-Dimethylphenol	130 U	150 U	160 U	160 U	140 U	140 U	150 U	130 U	160 U
Benzoic Acid	670 U	750 U	780 U	800 U	720 U	710 U	770 U	650 U	820 U
bis(2-Chloroethoxy)Methane	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
2,4-Dichlorophenol	200 U	220 U	240 U	240 U	210 U	210 U	230 U	200 U	250 U
1,2,4-Trichlorobenzene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Naphthalene	68 U	510	78 U	80 U	72 U	71 U	77 U	180	82 U
4-Chloroaniline	200 U	220 U	240 U	240 U	210 U	210 U	230 U	200 U	250 U
Hexachlorobutadiene	130 U	150 U	160 U	160 U	140 U	140 U	150 U	130 U	160 U
4-Chloro-3-Methylphenol	130 U	150 U	160 U	160 U	140 U	140 U	150 U	130 U	160 U
2-Methylnaphthalene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	570	82 U
Hexachlorocyclopentadiene	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
2,4,6-Trichlorophenol	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
2,4,5-Trichlorophenol	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
2-Chloronaphthalene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
2-Nitroaniline	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
Dimethyl Phthalate	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Acenaphthylene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
3-Nitroaniline	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
Acenaphthene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
2,4-Dinitrophenol	670 U	750 U	780 U	800 U	720 U	710 U	770 U	650 U	820 U
4-Nitrophenol	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
Dibenzofuran	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
2,4-Dinitrotoluene	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
2,6-Dinitrotoluene	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
Diethylphthalate	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
4-Chlorophenyl-phenylether	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Fluorene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	27 J	82 U
4-Nitroaniline	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
4,6-Dinitro-2-Methylphenol	670 U	750 U	780 U	800 U	720 U	710 U	770 U	650 U	820 U
N-Nitrosodiphenylamine(1)	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
4-Bromophenyl-phenylether	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Hexachlorobenzene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Pentachlorophenol	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
Phenanthrene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	54 J	82 U
Anthracene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Di-n-Butylphthalate	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Fluoranthene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Pyrene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Butylbenzylphthalate	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
3,3'-Dichlorobenzidine	340 U	370 U	390 U	400 U	360 U	360 U	390 U	330 U	410 U
Benzo(a)Anthracene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
bis(2-Ethylhexyl)Phthalate	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Chrysene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Di-n-Octyl Phthalate	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Benzo(b)Fluoranthene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Benzo(k)Fluoranthene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Benzo(a)Pyrene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Indeno(1,2,3-cd)Pyrene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Dibenz(a,h)Anthracene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U
Benzo(ghi)Perylene	68 U	75 U	78 U	80 U	72 U	71 U	77 U	66 U	82 U

TABLE 1 (Continued)

Analyte	Sample No.: Lab ID:	B4-2.5 8624 A	B4-5.0 8624 B	B4-7.5 8624 C	B4-12.5 8624 D	B4-15.0 8624 E	B4-30.0 8624 G	B4-52.5 8624 I	BN-B5-2.5 8637 L	BN-B5-5.0 8637 M
ISOPROPYL ALCOHOL (mg/kg)		NA	NA	NA	NA	NA	NA	NA	3 U	NA
PEST/PCBs (ug/kg)										
Alpha-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC		NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)		NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor		NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin		NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide		NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I		NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin		NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE		NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin		NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II		NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDD		NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate		NA	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT		NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor		NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone		NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane		NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane		NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene		NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016		NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248		NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	BN-B5-7.5	BN-B5-10.0	BN-B5-15.0	MW-B6-2.5	MW-B6-5.0	MW-B6-7.5	MW-B6-10.0	MW-B6-15.0
Lab ID:	8637 N	8637 O	8637 P	8649 K	8649 L	8649 M	8649 N	8649 O
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.7 U	2.7 U	2.4 U	5.8 U	6.6 U	6.5 U	6.5 U	6.6 U
Bromomethane	2.7 U	2.7 U	2.4 U	3.5 U	4.0 U	3.9 U	3.9 U	4.0 U
Vinyl Chloride	4.1 U	4.1 U	3.5 U	3.5 U	4.0 U	3.9 U	3.9 U	4.0 U
Chloroethane	4.1 U	4.1 U	3.5 U	3.5 U	4.0 U	3.9 U	3.9 U	4.0 U
Methylene Chloride	1.9 U	2.1 U	2.0 U	1.1 UJ	1.1 UJ	1.8 UJ	1.1 UJ	1.5 UJ
Acetone	45	34	41	5.8 U	6.6 U	70	9.1 U	63
Carbon Disulfide	2.7 U	2.7 U	2.4 U	2.3 U	2.6 U	2.6 U	2.6 U	2.7 U
1,1-Dichloroethene	1.4 U	1.4 U	1.2 U	2.3 U	2.6 U	2.6 U	2.6 U	2.7 U
1,1-Dichloroethane	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Trans-1,2-Dichloroethene	NA	NA	NA	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Cis-1,2-Dichloroethene	NA	NA	NA	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
1,2-Dichloroethene (Total)	1.4 U	1.4 U	1.2 U	NA	NA	NA	NA	NA
Chloroform	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
1,2-Dichloroethane	2.7 U	2.7 U	2.4 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
2-Butanone	10 U	10 U	13	8.6 U	9.9 U	18	9.8 U	18
1,1,1-Trichloroethane	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Carbon Tetrachloride	2.7 U	2.7 U	2.4 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Vinyl Acetate	2.7 U	2.7 U	2.4 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromodichloromethane	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichlorofluoromethane	2.7 U	2.7 U	2.4 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
1,2-Dichloropropane	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Trans-1,3-Dichloropropene	2.7 U	2.7 U	2.4 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichloroethene	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Dibromochloromethane	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
1,1,2-Trichloroethane	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Benzene	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
cis-1,3-Dichloropropene	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
2-Chloroethylvinylether	2.7 U	2.7 U	2.4 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	4.1 U	4.1 U	3.5 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
4-Methyl-2-Pentanone	2.7 U	2.7 U	2.4 U	2.3 U	2.6 U	2.6 U	2.6 U	2.7 U
2-Hexanone	2.7 U	2.7 U	2.4 U	4.6 U	5.3 U	5.2 U	5.2 U	5.3 U
Tetrachloroethene	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
1,1,2,2-Tetrachloroethane	2.7 U	2.7 U	2.4 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	1.3 J	1.8	2.2	1.2 U	25 J	5.6 J	0.9 J	3.9 J
Chlorobenzene	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Ethylbenzene	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Styrene	1.4 U	1.4 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U
Total Xylenes	2.7 U	2.7 U	2.4 U	2.3 U	2.6 U	2.6 U	2.6 U	2.7 U
Freon-TF	2.7 U	2.7 U	2.4 U	5.8 U	6.6 U	6.5 U	6.5 U	6.6 U
METALS (mg/kg-dry)								
Arsenic	7.0 U	5.0 U	6.0 U	4.0 U	6.0 U	7.0 U	5.0 U	5.0 U
Cadmium	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U
Chromium	17	16	11	13	14	18	19	11
Copper	27	21	17	15	2750	39	28	21
Nickel	10	5.0	3.0	11	12	14	14	15
Lead	11	6.0	4.0	5.0	6.0	16	6.0	3.0
Zinc	20	12	13	34	38	51	31	22

TABLE 1 (Continued)

Sample No.:	BN-B5-7.5	BN-B5-10.0	BN-B5-15.0	MW-B6-2.5	MW-B6-5.0	MW-B6-7.5	MW-B6-10.0	MW-B6-15.0
Lab ID:	8637 N	8637 O	8637 P	8649 K	8649 L	8649 M	8649 N	8649 O
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	170 U	140 U	140 U	140 U	150 U	180 U	140 U	140 U
bis(2-Chloroethyl)Ether	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
2-Chlorophenol	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
1,3-Dichlorobenzene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
1,4-Dichlorobenzene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Benzyl Alcohol	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
1,2-Dichlorobenzene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
2-Methylphenol	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
bis(2-chloroisopropyl)Ether	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
4-Methylphenol	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
N-Nitroso-Di-n-Propylamine	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Hexachloroethane	170 U	140 U	140 U	140 U	150 U	180 U	140 U	140 U
Nitrobenzene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Isophorone	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
2-Nitrophenol	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
2,4-Dimethylphenol	170 U	140 U	140 U	140 U	150 U	180 U	140 U	140 U
Benzoic Acid	850 U	680 U	700 U	680 U	740 U	880 U	700 U	700 U
bis(2-Chloroethoxy)Methane	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
2,4-Dichlorophenol	250 U	200 U	210 U	200 U	220 U	260 U	210 U	210 U
1,2,4-Trichlorobenzene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Naphthalene	85 U	68 U	70 U	68 U	79	88 U	70 U	70 U
4-Chloroaniline	260 U	200 U	210 U	200 U	220 U	260 U	210 U	210 U
Hexachlorobutadiene	170 U	140 U	140 U	140 U	150 U	180 U	140 U	140 U
4-Chloro-3-Methylphenol	170 U	140 U	140 U	140 U	150 U	180 U	140 U	140 U
2-Methylnaphthalene	85 U	68 U	70 U	68 U	35 J	88 U	70 U	70 U
Hexachlorocyclopentadiene	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
2,4,6-Trichlorophenol	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
2,4,5-Trichlorophenol	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
2-Chloronaphthalene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
2-Nitroaniline	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
Dimethyl Phthalate	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Acenaphthylene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
3-Nitroaniline	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
Acenaphthene	85 U	68 U	70 U	68 U	40 M	88 U	70 U	70 U
2,4-Dinitrophenol	850 U	680 U	700 U	680 U	740 U	880 U	700 U	700 U
4-Nitrophenol	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
Dibenzofuran	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
2,4-Dinitrotoluene	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
2,6-Dinitrotoluene	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
Diethylphthalate	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
4-Chlorophenyl-phenylether	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Fluorene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
4-Nitroaniline	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
4,6-Dinitro-2-Methylphenol	850 U	680 U	700 U	680 U	740 U	880 U	700 U	700 U
N-Nitrosodiphenylamine(1)	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
4-Bromophenyl-phenylether	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Hexachlorobenzene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Pentachlorophenol	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
Phenanthrene	85 U	68 U	70 U	68 U	140	88 U	70 U	70 U
Anthracene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Di-n-Butylphthalate	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Fluoranthene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Pyrene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Butylbenzylphthalate	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
3,3'-Dichlorobenzidine	430 U	340 U	350 U	340 U	370 U	440 U	350 U	350 U
Benzo(a)Anthracene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
bis(2-Ethylhexyl)Phthalate	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Chrysene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Di-n-Octyl Phthalate	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Benzo(b)Fluoranthene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Benzo(k)Fluoranthene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Benzo(a)Pyrene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Indeno(1,2,3-cd)Pyrene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Dibenz(a,h)Anthracene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U
Benzo(ghi)Perylene	85 U	68 U	70 U	68 U	74 U	88 U	70 U	70 U

TABLE 1 (Continued)

Analyte	Sample No.: BN-B5-7.5 Lab ID: 8637 N	BN-B5-10.0 8637 O	BN-B5-15.0 8637 P	MW-B6-2.5 8649 K	MW-B6-5.0 8649 L	MW-B6-7.5 8649 M	MW-B6-10.0 8649 N	MW-B6-15.0 8649 O
ISOPROPYL ALCOHOL (mg/kg)	15 U	NA	NA	3 U	NA	3 U	NA	NA
PEST/PCBs (ug/kg)								
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDD	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	BN-B7-2.5	BN-B7-5.0	BN-B7-7.5	BN-B7-10.0	BN-B8-2.5	BN-B8-5.0	BN-B8-7.5	BN-B8-10.0
Lab ID:	8637 AJ	8637 AK	8637 AL	8637 AM	8637 AF	8637 AG	8637 AH	8637 AIR
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	6.0 U	6.4 U	6.8 U	6.5 U	17 U	38 U	2.3 U	2.4 U
Bromomethane	3.6 U	3.9 U	4.1 U	3.9 U	10 U	23 U	2.3 U	2.4 U
Vinyl Chloride	3.6 U	3.9 U	4.1 U	3.9 U	10 U	23 U	3.4 U	3.6 U
Chloroethane	3.6 U	3.9 U	4.1 U	3.9 U	10 U	23 U	3.4 U	3.6 U
Methylene Chloride	2.9 U	2.6 UJ	2.5 UJ	2.4 UJ	3.6 UJ	7.5 J	1.0 UJ	1.1 UJ
Acetone	6.0 U	4.8 J	10	9.3	24	17 J	23 U	10
Carbon Disulfide	2.4 U	2.6 U	2.7 U	2.6 U	6.9 U	15 U	2.3 U	2.4 U
1,1-Dichloroethene	2.4 U	2.6 U	2.7 U	2.6 U	6.9 U	15 U	1.1 U	1.2 U
1,1-Dichloroethane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
Trans-1,2-Dichloroethene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	NA	NA
Cis-1,2-Dichloroethene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	NA	NA
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	1.1 U	1.2 U
Chloroform	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
1,2-Dichloroethane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	2.3 U	2.4 U
2-Butanone	8.9 U	9.7 U	10.2 U	9.8 U	3.5 U	7.6 U	3.4 M	8.9 U
1,1,1-Trichloroethane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
Carbon Tetrachloride	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	2.3 U	2.4 U
Vinyl Acetate	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	2.3 U	2.4 U
Bromodichloromethane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
Trichlorofluoromethane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	2.3 U	2.4 U
1,2-Dichloropropane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
Trans-1,3-Dichloropropene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	2.3 U	2.4 U
Trichloroethene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
Dibromochloromethane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
1,1,2-Trichloroethane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
Benzene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	7.8	1.2 U
cis-1,3-Dichloropropene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
2-Chloroethylvinylether	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	2.3 U	2.4 U
Bromoform	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	3.4 U	3.6 U
4-Methyl-2-Pentanone	2.4 U	2.6 U	2.7 U	2.6 U	6.9 U	15 U	2.3 U	2.4 U
2-Hexanone	4.8 U	5.2 U	5.5 U	5.2 U	14 U	30 U	2.3 U	2.4 U
Tetrachloroethene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
1,1,2,2-Tetrachloroethane	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	2.3 U	2.4 U
Toluene	2.9 J	1.3 U	4.1	0.9 J	600 J	1500 J	13000 J	65
Chlorobenzene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
Ethylbenzene	1.2 U	1.3 U	1.4 U	1.3 U	75	180	190	6.7
Styrene	1.2 U	1.3 U	1.4 U	1.3 U	3.5 U	7.6 U	1.1 U	1.2 U
Total Xylenes	2.4 U	2.6 U	2.7 U	2.6 U	85	360	230	20
Freon-TF	6.0 U	6.4 U	6.8 U	6.5 U	17 U	38 U	2.3 U	2.4 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	7.0 U	6.0 U	5.0 U	6.0 U	5.0 U	6.0 U	5.0 U
Cadmium	0.2 U	0.3 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U
Chromium	13	15	15	15	13	21	15	14
Copper	14	18	18	22	18	16	22	24
Nickel	11	13	12	12	12	16	14	12
Lead	4.0	5.0	8.0	7.0	6.0	5.0	9.0	6.0
Zinc	32	42	36	31	33	28	38	28

TABLE 1 (Continued)

Sample No.:	BN-B7-2.5	BN-B7-5.0	BN-B7-7.5	BN-B7-10.0	BN-B8-2.5	BN-B8-5.0	BN-B8-7.5	BN-B8-10.0
Lab ID:	8637 AJ	8637 AK	8637 AL	8637 AM	8637 AF	8637 AG	8637 AH	8637 AIR
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	130 U	140 U	150 U	150 U	150 U	660 U	760 U	130 U
bis(2-Chloroethyl)Ether	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
2-Chlorophenol	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
1,3-Dichlorobenzene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
1,4-Dichlorobenzene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Benzyl Alcohol	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
1,2-Dichlorobenzene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
2-Methylphenol	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
bis(2-chloroisopropyl)Ether	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
4-Methylphenol	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
N-Nitroso-Di-n-Propylamine	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Hexachloroethane	130 U	140 U	150 U	150 U	150 U	660 U	760 U	130 U
Nitrobenzene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Isophorone	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
2-Nitrophenol	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
2,4-Dimethylphenol	130 U	68 U	77 U	76 U	76 U	660 U	760 U	66 U
Benzoic Acid	670 U	680 U	770 U	760 U	760 U	3300 U	3800 U	660 U
bis(2-Chloroethoxy)Methane	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
2,4-Dichlorophenol	200 U	200 U	230 U	230 U	230 U	990 U	1100 U	200 U
1,2,4-Trichlorobenzene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Naphthalene	67 U	190	210	120	76 U	330 U	380 U	66 U
4-Chloroaniline	200 U	200 U	230 U	230 U	230 U	990 U	1100 U	200 U
Hexachlorobutadiene	130 U	140 U	150 U	150 U	150 U	660 U	760 U	130 U
4-Chloro-3-Methylphenol	130 U	140 U	150 U	150 U	150 U	660 U	760 U	130 U
2-Methylnaphthalene	67 U	96	110	49 M	76 U	330 U	380 U	66 U
Hexachlorocyclopentadiene	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
2,4,6-Trichlorophenol	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
2,4,5-Trichlorophenol	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
2-Chloronaphthalene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
2-Nitroaniline	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
Dimethyl Phthalate	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Acenaphthylene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
3-Nitroaniline	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
Acenaphthene	67 U	180	240	110	76 U	330 U	380 U	66 U
2,4-Dinitrophenol	670 U	680 U	770 U	760 U	760 U	3300 U	3800 U	660 U
4-Nitrophenol	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
Dibenzofuran	67 U	96	120	51 J	76 U	330 U	380 U	66 U
2,4-Dinitrotoluene	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
2,6-Dinitrotoluene	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
Diethylphthalate	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
4-Chlorophenyl-phenylether	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Fluorene	67 U	130	160	68 J	76 U	330 U	380 U	66 U
4-Nitroaniline	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
4,6-Dinitro-2-Methylphenol	670 U	680 U	770 U	760 U	760 U	3300 U	3800 U	660 U
N-Nitrosodiphenylamine(1)	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
4-Bromophenyl-phenylether	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Hexachlorobenzene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Pentachlorophenol	330 U	160 J	390 U	380 U	380 U	1700 U	1900 U	330 U
Phenanthrene	67 U	560	640	310	42 M	330 U	380 U	66 U
Anthracene	67 U	97	140	67 M	76 U	330 U	380 U	66 U
Di-n-Butylphthalate	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Fluoranthene	67 U	270	280	160	76 U	330 U	380 U	66 U
Pyrene	67 U	200	280	150	76 U	330 U	380 U	66 U
Butylbenzylphthalate	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
3,3'-Dichlorobenzidine	330 U	340 U	390 U	380 U	380 U	1700 U	1900 U	330 U
Benzo(a)Anthracene	67 U	65 J	74 J	47 M	76 U	330 U	380 U	66 U
bis(2-Ethylhexyl)Phthalate	67 U	68 U	77 U	76 U	480	1200	1000	770
Chrysene	67 U	78	89	56 J	76 U	330 U	380 U	66 U
Di-n-Octyl Phthalate	67 U	68 U	77 U	76 U	96	190 M	190 M	100
Benzo(b)Fluoranthene	67 U	*	*	*	76 U	330 U	380 U	66 U
Benzo(k)Fluoranthene	67 U	62 M	66 M	43 M	76 U	330 U	380 U	66 U
Benzo(a)Pyrene	67 U	37 M	36 M	76 U	76 U	330 U	380 U	66 U
Indeno(1,2,3-cd)Pyrene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Dibenz(a,h)Anthracene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U
Benzo(ghi)Perylene	67 U	68 U	77 U	76 U	76 U	330 U	380 U	66 U

TABLE 1 (Continued)

Analyte	Sample No.: BN-B7-2.5 Lab ID: 8637 AJ	BN-B7-5.0 8637 AK	BN-B7-7.5 8637 AL	BN-B7-10.0 8637 AM	BN-B8-2.5 8637 AF	BN-B8-5.0 8637 AG	BN-B8-7.5 8637 AH	BN-B8-10.0 8637 AIR
ISOPROPYL ALCOHOL (mg/kg)	3 U	NA	NA	NA	NA	NA	NA	NA
PEST/PCBs (ug/kg)								
Alpha-BHC	3.0 U	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	3.0 U	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	4.5 U	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	3.0 U	NA	NA	NA	NA	NA	NA	NA
Heptachlor	3.0 U	NA	NA	NA	NA	NA	NA	NA
Aldrin	3.0 U	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	3.0 U	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	3.0 U	NA	NA	NA	NA	NA	NA	NA
Dieldrin	6.0 U	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	6.0 U	NA	NA	NA	NA	NA	NA	NA
Endrin	6.0 U	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	6.0 U	NA	NA	NA	NA	NA	NA	NA
4,4-DDD	6.0 U	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	12 U	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	6.0 U	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	12 U	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	9.0 U	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	4.5 U	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	4.5 U	NA	NA	NA	NA	NA	NA	NA
Toxaphene	450 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016	60 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	60 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	60 U	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	60 U	NA	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	BN-B9-2.5	BN-B9-5.0	BN-B9-7.5	BN-B9-10.0	BN-B10-2.5	BN-B10-5.0	BN-B10-7.5
Lab ID:	8684 E	8684 F	8684 G	8684 H	8637 AC	8637 AD	8637 AE
Analyte							
VOLATILE ORGANICS (ug/kg)							
Chloromethane	2.5 U	23 U	2.6 U	25 U	2.5 U	12 U	810 U
Bromomethane	2.5 U	23 U	2.6 U	25 U	2.5 U	12 U	490 U
Vinyl Chloride	2.5 U	23 U	2.6 U	25 U	3.8 U	18 U	490 U
Chloroethane	2.5 U	23 U	2.6 U	25 U	3.8 U	18 U	490 U
Methylene Chloride	2.9 U	17 UJ	2.9 U	20 J	4.0 U	5.8 UJ	180 UJ
Acetone	24 U	390	100	310	220	120	460 J
Carbon Disulfide	6.6	9.0 J	2.9	15	2.1 J	12 U	320 U
1,1-Dichloroethene	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	320 U
1,1-Dichloroethane	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
Trans-1,2-Dichloroethene	1.2 U	12 U	1.3 U	13 U	NA	NA	160 U
Cis-1,2-Dichloroethene	1.2 U	12 U	1.3 U	13 U	NA	NA	160 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	1.3 U	6.1 U	NA
Chloroform	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
1,2-Dichloroethane	1.2 U	12 U	1.3 U	13 U	2.5 U	12 U	160 U
2-Butanone	7.9	51 J	18	65	82	46 U	1200 U
1,1,1-Trichloroethane	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
Carbon Tetrachloride	1.2 U	12 U	1.3 U	13 U	2.5 U	12 U	160 U
Vinyl Acetate	1.2 U	12 U	1.3 U	13 U	2.5 U	12 U	160 U
Bromodichloromethane	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
Trichlorofluoromethane	2.5 U	23 U	2.6 U	25 U	2.5 U	12 U	160 U
1,2-Dichloropropane	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
Trans-1,3-Dichloropropene	1.2 U	12 U	1.3 U	13 U	2.5 U	12 U	160 U
Trichloroethene	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
Dibromochloromethane	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
1,1,2-Trichloroethane	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
Benzene	1.2 U	12 U	9.4	13 U	1.3 U	6.1 U	160 U
cis-1,3-Dichloropropene	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
2-Chloroethylvinylether	1.2 U	12 U	1.3 U	13 U	2.5 U	12 U	160 U
Bromoform	1.2 U	12 U	1.3 U	13 U	3.8 U	18 U	160 U
4-Methyl-2-Pentanone	6.1 U	58 U	6.5 U	63 U	2.5 U	12 U	320 U
2-Hexanone	6.1 U	58 U	6.5 U	63 U	2.5 U	12 U	650 U
Tetrachloroethene	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
1,1,2,2-Tetrachloroethane	1.2 U	12 U	1.3 U	13 U	2.5 U	12 U	160 U
Toluene	18 J	4000 J	220 J	2600 J	18	16	4200 J
Chlorobenzene	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
Ethylbenzene	8.7	12 U	1.3 U	13 U	5.4	64	160 U
Styrene	1.2 U	12 U	1.3 U	13 U	1.3 U	6.1 U	160 U
Total Xylenes	6.3	12 J	2.1 M	25 U	100	800	320 U
Freon-TF	2.5 U	23 U	2.6 U	25 U	2.5 U	12 U	810 U
METALS (mg/kg-dry)							
Arsenic	6.0 U	4.0 U	6.0 U	7.0 U	7.0	7.0	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U
Chromium	11	12	14	18	15	12	14
Copper	13	12	17	23	15	12	17
Nickel	11	10	13	17	12	11	12
Lead	4.0	3.0	5.0	9.0	6.0	5.0	6.0
Zinc	31	30	39	47	36	32	32

TABLE 1 (Continued)

Sample No.:	BN-B9-2.5	BN-B9-5.0	BN-B9-7.5	BN-B9-10.0	BN-B10-2.5	BN-B10-5.0	BN-B10-7.5
Lab ID:	8684 E	8684 F	8684 G	8684 H	8637 AC	8637 AD	8637 AE
Analyte							
SEMIVOLATILE ORGANICS (ug/kg)							
Phenol	150 U	5800	8300	2800	150 U	150 U	1300
bis(2-Chloroethyl)Ether	77 U	76 U	75 U	86 U	73 U	76 U	66 U
2-Chlorophenol	77 U	76 U	75 U	86 U	73 U	76 U	66 U
1,3-Dichlorobenzene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
1,4-Dichlorobenzene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Benzyl Alcohol	380 U	380 U	370 U	430 U	370 U	380 U	330 U
1,2-Dichlorobenzene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
2-Methylphenol	77 U	950	1700	410	73 U	76 U	340
bis(2-chloroisopropyl)Ether	77 U	76 U	75 U	86 U	73 U	76 U	66 U
4-Methylphenol	77 U	26000	47000	14000	73 U	320	30000
N-Nitroso-Di-n-Propylamine	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Hexachloroethane	150 U	150 U	150 U	170 U	150 U	150 U	130 U
Nitrobenzene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Isophorone	77 U	76 U	75 U	86 U	73 U	76 U	66 U
2-Nitrophenol	380 U	380 U	370 U	430 U	370 U	380 U	330 U
2,4-Dimethylphenol	150 U	130 J	390	170 U	150 U	150 U	110 M
Benzoic Acid	770 U	760 U	750 U	860 U	730 U	760 U	660 U
bis(2-Chloroethoxy)Methane	77 U	76 U	75 U	86 U	73 U	76 U	66 U
2,4-Dichlorophenol	230 U	230 U	220 U	260 U	220 U	230 U	200 U
1,2,4-Trichlorobenzene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Naphthalene	77 U	76 U	75 U	74 J	73 U	76 U	66 U
4-Chloroaniline	230 U	230 U	220 U	260 U	220 U	230 U	200 U
Hexachlorobutadiene	150 U	150 U	150 U	170 U	150 U	150 U	130 U
4-Chloro-3-Methylphenol	150 U	150 U	150 U	170 U	150 U	150 U	130 U
2-Methylnaphthalene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Hexachlorocyclopentadiene	380 U	380 U	370 U	430 U	370 U	380 U	330 U
2,4,6-Trichlorophenol	380 U	380 U	370 U	430 U	370 U	380 U	330 U
2,4,5-Trichlorophenol	380 U	380 U	370 U	430 U	370 U	380 U	330 U
2-Chloronaphthalene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
2-Nitroaniline	380 U	380 U	370 U	430 U	370 U	380 U	330 U
Dimethyl Phthalate	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Acenaphthylene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
3-Nitroaniline	380 U	380 U	370 U	430 U	370 U	380 U	330 U
Acenaphthene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
2,4-Dinitrophenol	770 U	760 U	750 U	860 U	730 U	760 U	660 U
4-Nitrophenol	380 U	380 U	370 U	430 U	370 U	380 U	330 U
Dibenzofuran	77 U	76 U	75 U	86 U	73 U	76 U	66 U
2,4-Dinitrotoluene	380 U	380 U	370 U	430 U	370 U	380 U	330 U
2,6-Dinitrotoluene	380 U	380 U	370 U	430 U	370 U	380 U	330 U
Diethylphthalate	77 U	76 U	75 U	86 U	73 U	76 U	66 U
4-Chlorophenyl-phenylether	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Fluorene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
4-Nitroaniline	380 U	380 U	370 U	430 U	370 U	380 U	330 U
4,6-Dinitro-2-Methylphenol	770 U	760 U	750 U	860 U	730 U	760 U	660 U
N-Nitrosodiphenylamine(1)	77 U	76 U	75 U	86 U	73 U	76 U	66 U
4-Bromophenyl-phenylether	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Hexachlorobenzene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Pentachlorophenol	380 U	380 U	370 U	430 U	370 U	380 U	330 U
Phenanthrene	77 U	76 U	78	86 U	73 U	76 U	66 U
Anthracene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Di-n-Butylphthalate	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Fluoranthene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Pyrene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Butylbenzylphthalate	77 U	76 U	75 U	86 U	73 U	76 U	66 U
3,3'-Dichlorobenzidine	380 U	380 U	370 U	430 U	370 U	380 U	330 U
Benzo(a)Anthracene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
bis(2-Ethylhexyl)Phthalate	77 U	76 U	75 U	86 U	73 U	44 M	66 U
Chrysene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Di-n-Octyl Phthalate	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Benzo(b)Fluoranthene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Benzo(k)Fluoranthene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Benzo(a)Pyrene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Indeno(1,2,3-cd)Pyrene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Dibenz(a,h)Anthracene	77 U	76 U	75 U	86 U	73 U	76 U	66 U
Benzo(ghi)Perylene	77 U	76 U	75 U	86 U	73 U	76 U	66 U

TABLE 1 (Continued)

Analyte	Sample No.: BN-B9-2.5 Lab ID: 8684 E	BN-B9-5.0 8684 F	BN-B9-7.5 8684 G	BN-B9-10.0 8684 H	BN-B10-2.5 8637 AC	BN-B10-5.0 8637 AD	BN-B10-7.5 8637 AE
ISOPROPYL ALCOHOL (mg/kg)	3 U	NA	6 U	NA	NA	NA	NA
PEST/PCBs (ug/kg)							
Alpha-BHC	NA	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA	NA	NA	NA
4,4-DDE	NA	NA	NA	NA	NA	NA	NA
Endrin	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA	NA	NA	NA
4,4-DDD	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA	NA	NA	NA
4,4-DDT	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	BN-B11-2.5	(Dup of B11-2.5) BN-B11-25	BN-B11-5.0	BN-B11-7.5	BN-B12-2.5	BN-B12-5.0	BN-B12-7.5	BN-B12-12.5
Lab ID:	8637 Z	8637 AO	8637 AA	8637 ABR	8667 B	8667 C	8667 D	8667 E
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.2 U	2.2 U	20 U	1700 U	2.3 U	3.1 U	2.6 U	2.3 U
Bromomethane	2.2 U	2.2 U	20 U	1000 U	2.3 U	3.1 U	2.6 U	2.3 U
Vinyl Chloride	3.2 U	3.3 U	31 U	1000 U	3.4 U	4.7 U	3.9 U	3.4 U
Chloroethane	3.2 U	3.3 U	31 U	1000 U	3.4 U	4.7 U	3.9 U	3.4 U
Methylene Chloride	2.2 U	2.9 U	17	210 UJ	1.1 U	0.7 M	1.3 U	0.5 M
Acetone	5.4 U	5.6 U	140	1200 M	28	48	18	26
Carbon Disulfide	2.2 U	2.2 U	20 U	680 U	2.3 U	3.1 U	2.6 U	2.3 U
1,1-Dichloroethene	1.1 U	1.1 U	10 U	680 U	1.1 U	1.6 U	1.3 U	1.2 U
1,1-Dichloroethane	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Trans-1,2-Dichloroethene	NA	NA	NA	340 U	NA	NA	NA	NA
Cis-1,2-Dichloroethene	NA	NA	NA	340 U	NA	NA	NA	NA
1,2-Dichloroethene (Total)	1.1 U	1.1 U	10 U	NA	1.1 U	1.6 U	1.3 U	1.2 U
Chloroform	2.1	0.8 M	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
1,2-Dichloroethane	2.2 U	2.2 U	20 U	340 U	2.3 U	3.1 U	2.6 U	2.3 U
2-Butanone	8.1 U	8.3 U	77 U	2600 U	6.6 J	5.7 J	9.7 U	8.6 U
1,1,1-Trichloroethane	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Carbon Tetrachloride	2.2 U	2.2 U	20 U	340 U	2.3 U	3.1 U	2.6 U	2.3 U
Vinyl Acetate	2.2 U	2.2 U	20 U	340 U	2.3 U	3.1 U	2.6 U	2.3 U
Bromodichloromethane	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Trichlorofluoromethane	2.2 U	2.2 U	20 U	340 U	2.3 U	3.1 U	2.6 U	2.3 U
1,2-Dichloropropane	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Trans-1,3-Dichloropropene	2.2 U	2.2 U	20 U	340 U	2.3 U	3.1 U	2.6 U	2.3 U
Trichloroethene	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Dibromochloromethane	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
1,1,2-Trichloroethane	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Benzene	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
cis-1,3-Dichloropropene	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
2-Chloroethylvinylether	2.2 U	2.2 U	20 U	340 U	2.3 U	3.1 U	2.6 U	2.3 U
Bromoform	3.2 U	3.3 U	31 U	340 U	3.4 U	4.7 U	3.9 U	3.4 U
4-Methyl-2-Pentanone	2.2 U	2.2 U	20 U	680 U	2.3 U	3.1 U	2.6 U	2.3 U
2-Hexanone	2.2 U	2.2 U	20 U	1400 U	1.8 J	3.1 U	2.6 U	2.3 U
Tetrachloroethene	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
1,1,2,2-Tetrachloroethane	2.2 U	2.2 U	20 U	340 U	2.3 U	3.1 U	2.6 U	2.3 U
Toluene	1400	290	2100	73000 J	1.1 U	1.6 U	0.7 M	1.0 J
Chlorobenzene	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Ethylbenzene	1.0 J	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Styrene	1.1 U	1.1 U	10 U	340 U	1.1 U	1.6 U	1.3 U	1.2 U
Total Xylenes	3.6	1.8 M	20 U	680 U	2.3 U	3.1 U	2.6 U	2.3 U
Freon-TF	2.2 U	2.2 U	20 U	1700 U	2.3 U	3.1 U	2.6 U	2.3 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	5.0 U	6.0	6.0 U	6.0 U	6.0 U	5.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.3 U	0.4	0.3 U	0.2 U	0.2
Chromium	13	13	13	15	13	21	15	13
Copper	17	18	17	21	21	21	14	9.6
Nickel	11	11	11	13	11	15	7.0	3.0
Lead	5.0	5.0	4.0	8.0	18	9.0	6.0	3.0
Zinc	31	32	31	40	39	48	22	13

NOTE: B11-2.5 is Lab ID 8637-AO for metals.
B11-25 is Lab ID 8637-Z for metals.

TABLE 1 (Continued)

Sample No.:	BN-B11-2.5	(Dup of B11-2.5) BN-B11-25	BN-B11-5.0	BN-B11-7.5	BN-B12-2.5	BN-B12-5.0	BN-B12-7.5	BN-B12-12.5
Lab ID:	8637 Z	8637 AO	8637 AA	8637 ABR	8667 B	8667 C	8667 D	8667 E
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	150 U	140 U	130 U	140 U	150 U	160 U	160 U	130 U
bis(2-Chloroethyl)Ether	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
2-Chlorophenol	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
1,3-Dichlorobenzene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
1,4-Dichlorobenzene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Benzyl Alcohol	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
1,2-Dichlorobenzene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
2-Methylphenol	1300	1500	300	120	74 U	82 U	78 U	67 U
bis(2-chloroisopropyl)Ether	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
4-Methylphenol	100	100 M	67 U	380	74 U	82 U	78 U	67 U
N-Nitroso-Di-n-Propylamine	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Hexachloroethane	150 U	140 U	130 U	140 U	150 U	160 U	160 U	130 U
Nitrobenzene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Isophorone	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
2-Nitrophenol	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
2,4-Dimethylphenol	73 U	140 U	130 U	140 U	150 U	160 U	160 U	130 U
Benzoic Acid	730 U	680 U	670 U	720 U	740 U	820 U	780 U	670 U
bis(2-Chloroethoxy)Methane	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
2,4-Dichlorophenol	220 U	200 U	200 U	220 U	220 U	250 U	240 U	200 U
1,2,4-Trichlorobenzene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Naphthalene	73 U	68 U	67 U	40 M	74 U	82 U	78 U	67 U
4-Chloroaniline	220 U	200 U	200 U	220 U	220 U	250 U	240 U	200 U
Hexachlorobutadiene	150 U	140 U	130 U	140 U	150 U	160 U	160 U	130 U
4-Chloro-3-Methylphenol	150 U	140 U	130 U	140 U	150 U	160 U	160 U	130 U
2-Methylnaphthalene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Hexachlorocyclopentadiene	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
2,4,6-Trichlorophenol	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
2,4,5-Trichlorophenol	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
2-Chloronaphthalene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
2-Nitroaniline	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
Dimethyl Phthalate	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Acenaphthylene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
3-Nitroaniline	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
Acenaphthene	73 U	68 U	67 U	72 U	130	82 U	78 U	67 U
2,4-Dinitrophenol	730 U	680 U	670 U	720 U	740 U	820 U	780 U	670 U
4-Nitrophenol	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
Dibenzofuran	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
2,4-Dinitrotoluene	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
2,6-Dinitrotoluene	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
Diethylphthalate	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
4-Chlorophenyl-phenylether	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Fluorene	73 U	68 U	67 U	72 U	72	82 U	78 U	67 U
4-Nitroaniline	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
4,6-Dinitro-2-Methylphenol	730 U	680 U	670 U	720 U	740 U	820 U	780 U	670 U
N-Nitrosodiphenylamine(1)	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
4-Bromophenyl-phenylether	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Hexachlorobenzene	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Pentachlorophenol	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
Phenanthrene	73 U	68 U	67 U	40 M	1300	82 U	78 U	67 U
Anthracene	73 U	68 U	67 U	72 U	100	82 U	78 U	67 U
Di-n-Butylphthalate	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Fluoranthene	73 U	68 U	67 U	72 U	1100	82 U	78 U	67 U
Pyrene	73 U	68 U	67 U	72 U	1200	82 U	78 U	67 U
Butylbenzylphthalate	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
3,3'-Dichlorobenzidine	370 U	340 U	340 U	360 U	370 U	410 U	390 U	340 U
Benzo(a)Anthracene	73 U	68 U	67 U	72 U	340	82 U	78 U	67 U
bis(2-Ethylhexyl)Phthalate	45 J	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Chrysene	73 U	68 U	67 U	72 U	490	82 U	78 U	67 U
Di-n-Octyl Phthalate	73 U	68 U	67 U	72 U	74 U	82 U	78 U	67 U
Benzo(b)Fluoranthene	73 U	68 U	67 U	72 U	*	82 U	78 U	67 U
Benzo(k)Fluoranthene	73 U	68 U	67 U	72 U	570	82 U	78 U	67 U
Benzo(a)Pyrene	73 U	68 U	67 U	72 U	430	82 U	78 U	67 U
Indeno(1,2,3-cd)Pyrene	73 U	68 U	67 U	72 U	360	82 U	78 U	67 U
Dibenz(a,h)Anthracene	73 U	68 U	67 U	72 U	78	82 U	78 U	67 U
Benzo(ghi)Perylene	73 U	68 U	67 U	72 U	370	82 U	78 U	67 U

TABLE 1 (Continued)

Sample No.:	BN-B13-2.5		BN-B13-5.0		BN-B13-7.5		BN-B13-10.0		BN-B14-2.5		BN-B14-5.0		BN-B14-7.5		BN-B14-10.0	
Lab ID:	8656 N		8656 O		8656 P		8656 Q		8656 R		8656 S		8656 T		8656 U	
Analyte																
VOLATILE ORGANICS (ug/kg)																
Chloromethane	150000	U	770	U	7800	U	7700	U	2.0	U	2.7	U	2.4	U	2.5	U
Bromomethane	92000	U	460	U	4700	U	4600	U	2.0	U	2.7	U	2.4	U	2.5	U
Vinyl Chloride	92000	U	460	U	4700	U	4600	U	2.0	U	2.7	U	2.4	U	2.5	U
Chloroethane	92000	U	460	U	4700	U	4600	U	2.0	U	2.7	U	2.4	U	2.5	U
Methylene Chloride	53000	J	160	J	1400	J	1500	J	1.1	UJ	1.2	UJ	1.1	UJ	1.1	UJ
Acetone	67000	J	1600		4800	M	7700	U	5.4	U	70		18	U	16	U
Carbon Disulfide	62000	U	310	U	3100	U	3100	U	1.0	U	2.8		1.2	U	1.2	J
1,1-Dichloroethene	62000	U	310	U	3100	U	3100	U	1.0	U	1.4	U	1.2	U	1.2	U
1,1-Dichloroethane	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Trans-1,2-Dichloroethene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Cis-1,2-Dichloroethene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
1,2-Dichloroethene (Total)	NA		NA		NA		NA		NA		NA		NA		NA	
Chloroform	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
1,2-Dichloroethane	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
2-Butanone	230000	U	1200	U	12000	U	12000	U	2.5	J	26		6.2		6.2	
1,1,1-Trichloroethane	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Carbon Tetrachloride	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Vinyl Acetate	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Bromodichloromethane	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Trichlorofluoromethane	31000	U	150	U	1600	U	1500	U	2.0	U	2.7	U	2.4	U	2.5	U
1,2-Dichloropropane	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Trans-1,3-Dichloropropene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Trichloroethene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Dibromochloromethane	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
1,1,2-Trichloroethane	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Benzene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
cis-1,3-Dichloropropene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
2-Chloroethylvinylether	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Bromoform	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
4-Methyl-2-Pentanone	62000	U	310	U	3100	U	3100	U	5.0	U	6.7	U	6.1	U	6.2	U
2-Hexanone	120000	U	620	U	6200	U	6200	U	5.0	U	6.7	U	6.1	U	6.2	U
Tetrachloroethene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
1,1,2,2-Tetrachloroethane	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Toluene	5400000		250000		45000		330000		8.5		14		1.2	U	1.2	
Chlorobenzene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Ethylbenzene	31000	U	590		1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Styrene	31000	U	150	U	1600	U	1500	U	1.0	U	1.4	U	1.2	U	1.2	U
Total Xylenes	62000	U	680	M	3100	U	890	M	1.2	M	2.7	U	2.4	U	2.5	U
Freon-TF	150000	U	770	U	7800	U	7700	U	2.0	U	2.7	U	2.4	U	2.5	U
METALS (mg/kg-dry)																
Arsenic	5.0	U	5.0	U	4.0	U	5.0	U	5.0	U	6.0	U	5.0	U	5.0	U
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Chromium	16		14		11		19		11		15		15		15	
Copper	86		68		51		65		13		24		21		34	
Nickel	17		14		12		18		9.0		10		9.0		10	
Lead	6.0		6.0		4.0		7.0		4.0		9.0		6.0		7.0	
Zinc	38		36		32		45		28		34		28		38	

TABLE 1 (Continued)

Sample No.:	BN-B13-2.5	BN-B13-5.0	BN-B13-7.5	BN-B13-10.0	BN-B14-2.5	BN-B14-5.0	BN-B14-7.5	BN-B14-10.0
Lab ID:	8656 N	8656 O	8656 P	8656 Q	8656 R	8656 S	8656 T	8656 U
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	1500	3800	7300	1900	140 U	150 U	150 U	300 M
bis(2-Chloroethyl)Ether	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
2-Chlorophenol	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
1,3-Dichlorobenzene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
1,4-Dichlorobenzene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Benzyl Alcohol	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
1,2-Dichlorobenzene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
2-Methylphenol	2500	2000	1800	940	68 U	76 U	76 U	72 U
bis(2-chloroisopropyl)Ether	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
4-Methylphenol	13000	27000	32000	11000	68 U	76 U	76 U	72 U
N-Nitroso-Di-n-Propylamine	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Hexachloroethane	1500 U	140 U	150 U	150 U	140 U	150 U	150 U	140 U
Nitrobenzene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Isophorone	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
2-Nitrophenol	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
2,4-Dimethylphenol	1500 U	110 J	120 J	61 M	140 U	150 U	150 U	140 U
Benzoic Acid	7300 U	720 U	300 J	750 U	680 U	760 U	760 U	720 U
bis(2-Chloroethoxy)Methane	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
2,4-Dichlorophenol	2200 U	220 U	220 U	230 U	200 U	230 U	230 U	220 U
1,2,4-Trichlorobenzene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Naphthalene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
4-Chloroaniline	2200 U	220 U	220 U	230 U	200 U	230 U	230 U	220 U
Hexachlorobutadiene	1500 U	140 U	150 U	150 U	140 U	150 U	150 U	140 U
4-Chloro-3-Methylphenol	1500 U	140 U	150 U	150 U	140 U	150 U	150 U	140 U
2-Methylnaphthalene	730 U	29 M	75 U	75 U	68 U	76 U	76 U	72 U
Hexachlorocyclopentadiene	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
2,4,6-Trichlorophenol	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
2,4,5-Trichlorophenol	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
2-Chloronaphthalene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
2-Nitroaniline	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
Dimethyl Phthalate	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Acenaphthylene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
3-Nitroaniline	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
Acenaphthene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
2,4-Dinitrophenol	7300 U	720 U	750 U	750 U	680 U	760 U	760 U	720 U
4-Nitrophenol	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
Dibenzofuran	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
2,4-Dinitrotoluene	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
2,6-Dinitrotoluene	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
Diethylphthalate	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
4-Chlorophenyl-phenylether	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Fluorene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
4-Nitroaniline	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
4,6-Dinitro-2-Methylphenol	7300 U	720 U	750 U	750 U	680 U	760 U	760 U	720 U
N-Nitrosodiphenylamine(1)	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
4-Bromophenyl-phenylether	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Hexachlorobenzene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Pentachlorophenol	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
Phenanthrene	730 U	62 M	33 M	53 M	68 U	42 M	76 U	72 U
Anthracene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Di-n-Butylphthalate	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Fluoranthene	730 U	72 U	75 U	48 J	68 U	76 U	76 U	72 U
Pyrene	730 U	72 U	75 U	47 J	68 U	76 U	76 U	72 U
Butylbenzylphthalate	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
3,3'-Dichlorobenzidine	3700 U	360 U	370 U	380 U	340 U	380 U	380 U	360 U
Benzo(a)Anthracene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
bis(2-Ethylhexyl)Phthalate	370 M	72 U	45 M	55 M	68 U	76 U	76 U	72 U
Chrysene	730 U	42 M	75 U	75 U	68 U	34 M	76 U	72 U
Di-n-Octyl Phthalate	730 U	65 M	75 U	75 U	68 U	76 U	76 U	72 U
Benzo(b)Fluoranthene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Benzo(k)Fluoranthene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Benzo(a)Pyrene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Indeno(1,2,3-cd)Pyrene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Dibenz(a,h)Anthracene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U
Benzo(ghi)Perylene	730 U	72 U	75 U	75 U	68 U	76 U	76 U	72 U

TABLE 1 (Continued)

Sample No.:	BN-B15-2.5	BN-B15-5.0	BN-B15-7.5	BN-B15-10.0	MW-C1-2.5	MW-C1-5.0	MW-C1-7.5	MW-C1-10.0
Lab ID:	8667 F	8667 G	8667 H	8667 I	8656 C	8656 D	8656 E	8656 F
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.7 U	2.9 U	2.6 U	2.6 U	2.4 U	3.1 U	2.7 U	2.5 U
Bromomethane	2.7 U	2.9 U	2.6 U	2.6 U	2.4 U	3.1 U	2.7 U	2.5 U
Vinyl Chloride	4.1 U	4.3 U	3.9 U	3.9 U	2.4 U	3.1 U	2.7 U	2.5 U
Chloroethane	4.1 U	4.3 U	3.9 U	3.9 U	2.4 U	3.1 U	2.7 U	2.5 U
Methylene Chloride	1.4 U	0.7 M	0.6 M	0.8 J	1.6 UJ	2.4 UJ	1.6 UJ	1.5 UJ
Acetone	15	19	14	550	5.4 UJ	52 U	22 U	19 U
Carbon Disulfide	2.7 U	2.9 U	2.6 U	2.6 U	1.2 U	1.8	1.4 U	1.3 U
1,1-Dichloroethene	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
1,1-Dichloroethane	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Trans-1,2-Dichloroethene	NA	NA	NA	NA	1.2 U	1.5 U	1.4 U	1.3 U
Cis-1,2-Dichloroethene	NA	NA	NA	NA	1.2 U	1.5 U	1.4 U	1.3 U
1,2-Dichloroethene (Total)	1.4 U	1.5 U	1.3 U	1.3 U	NA	NA	NA	NA
Chloroform	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
1,2-Dichloroethane	2.7 U	2.9 U	2.6 U	2.6 U	1.2 U	1.5 U	1.4 U	1.3 U
2-Butanone	10.2 U	10.9 U	9.8 U	310	4.8 J	15	4.9 J	5.8 J
1,1,1-Trichloroethane	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Carbon Tetrachloride	2.7 U	2.9 U	2.6 U	2.6 U	1.2 U	1.5 U	1.4 U	1.3 U
Vinyl Acetate	2.7 U	2.9 U	2.6 U	2.6 U	1.2 U	1.5 U	1.4 U	1.3 U
Bromodichloromethane	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Trichlorofluoromethane	2.7 U	2.9 U	2.6 U	2.6 U	2.4 U	3.1 U	2.7 U	2.5 U
1,2-Dichloropropane	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Trans-1,3-Dichloropropene	2.7 U	2.9 U	2.6 U	2.6 U	1.2 U	1.5 U	1.4 U	1.3 U
Trichloroethene	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Dibromochloromethane	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
1,1,2-Trichloroethane	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Benzene	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
cis-1,3-Dichloropropene	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
2-Chloroethylvinylether	2.7 U	2.9 U	2.6 U	2.6 U	1.2 U	1.5 U	1.4 U	1.3 U
Bromoform	4.1 U	4.3 U	3.9 U	3.9 U	1.2 U	1.5 U	1.4 U	1.3 U
4-Methyl-2-Pentanone	2.7 U	2.9 U	2.6 U	12	6.0 U	7.7 U	6.7 U	6.4 U
2-Hexanone	2.7 U	2.9 U	2.6 U	2.6 U	6.0 U	7.7 U	6.7 U	6.4 U
Tetrachloroethene	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
1,1,2,2-Tetrachloroethane	2.7 U	2.9 U	2.6 U	2.6 U	1.2 U	1.5 U	1.4 U	1.3 U
Toluene	1.4 U	1.5 U	1.3 U	7.7	9.2	7.7	1.4 U	2.2
Chlorobenzene	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Ethylbenzene	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Styrene	1.4 U	1.5 U	1.3 U	1.3 U	1.2 U	1.5 U	1.4 U	1.3 U
Total Xylenes	2.7 U	2.9 U	2.6 U	2.6 U	1.7 M	3.1 U	2.7 U	2.5 U
Freon-TF	2.7 U	2.9 U	2.6 U	2.6 U	2.4 U	3.1 U	2.7 U	2.5 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	6.0 U	5.0 U	6.0 U	5.0 U	7.0 U	6.0 U	6.0 U
Cadmium	0.4	0.2 U	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U	0.3
Chromium	17	12	18	15	12	20	17	15
Copper	42	32	25	20	11	28	15	14
Nickel	15	8.0	9.0	5.0	10	17	9.0	6.0
Lead	27	7.0	7.0	6.0	4.0	14	8.0	6.0
Zinc	53	21	27	16	29	54	42	19

TABLE 1 (Continued)

Sample No.:	BN-B15-2.5	BN-B15-5.0	BN-B15-7.5	BN-B15-10.0	MW-C1-2.5	MW-C1-5.0	MW-C1-7.5	MW-C1-10. U
Lab ID:	8667 F	8667 G	8667 H	8667 I	8656 C	8656 D	8656 E	8656 F
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	150 U	150 U	140 U	150 U	150 U	170 U	160 U	150 U
bis(2-Chloroethyl)Ether	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
2-Chlorophenol	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
1,3-Dichlorobenzene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
1,4-Dichlorobenzene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Benzyl Alcohol	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
1,2-Dichlorobenzene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
2-Methylphenol	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
bis(2-chloroisopropyl)Ether	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
4-Methylphenol	75 U	77 U	70 U	550	77 U	85 U	78 U	73 U
N-Nitroso-Di-n-Propylamine	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Hexachloroethane	150 U	150 U	140 U	150 U	150 U	170 U	160 U	150 U
Nitrobenzene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Isophorone	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
2-Nitrophenol	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
2,4-Dimethylphenol	150 U	150 U	140 U	150 U	150 U	170 U	160 U	150 U
Benzoic Acid	750 U	770 U	700 U	760 U	770 U	850 U	780 U	730 U
bis(2-Chloroethoxy)Methane	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
2,4-Dichlorophenol	220 U	230 U	210 U	230 U	230 U	260 U	230 U	220 U
1,2,4-Trichlorobenzene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Naphthalene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
4-Chloroaniline	220 U	230 U	210 U	230 U	230 U	260 U	230 U	220 U
Hexachlorobutadiene	150 U	150 U	140 U	150 U	150 U	170 U	160 U	150 U
4-Chloro-3-Methylphenol	150 U	150 U	140 U	150 U	150 U	170 U	160 U	150 U
2-Methylnaphthalene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Hexachlorocyclopentadiene	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
2,4,6-Trichlorophenol	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
2,4,5-Trichlorophenol	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
2-Chloronaphthalene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
2-Nitroaniline	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
Dimethyl Phthalate	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Acenaphthylene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
3-Nitroaniline	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
Acenaphthene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
2,4-Dinitrophenol	750 U	770 U	700 U	760 U	770 U	850 U	780 U	730 U
4-Nitrophenol	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
Dibenzofuran	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
2,4-Dinitrotoluene	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
2,6-Dinitrotoluene	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
Diethylphthalate	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
4-Chlorophenyl-phenylether	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Fluorene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
4-Nitroaniline	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
4,6-Dinitro-2-Methylphenol	750 U	770 U	700 U	760 U	770 U	850 U	780 U	730 U
N-Nitrosodiphenylamine(1)	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
4-Bromophenyl-phenylether	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Hexachlorobenzene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Pentachlorophenol	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
Phenanthrene	75 U	77 U	70 U	76 U	77 U	85 J	78 U	73 U
Anthracene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Di-n-Butylphthalate	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Fluoranthene	75 U	77 U	70 U	76 U	77 U	40 J	78 U	73 U
Pyrene	75 U	77 U	70 U	76 U	77 U	36 J	78 U	73 U
Butylbenzylphthalate	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
3,3'-Dichlorobenzidine	370 U	380 U	350 U	380 U	390 U	430 U	390 U	370 U
Benzo(a)Anthracene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
bis(2-Ethylhexyl)Phthalate	75 U	77 U	70 U	76 U	77 U	85 U	78 U	20 M
Chrysene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Di-n-Octyl Phthalate	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Benzo(b)Fluoranthene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Benzo(k)Fluoranthene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Benzo(a)Pyrene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Indeno(1,2,3-cd)Pyrene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Dibenz(a,h)Anthracene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U
Benzo(ghi)Perylene	75 U	77 U	70 U	76 U	77 U	85 U	78 U	73 U

TABLE 1 (Continued)

Sample No.: / Lab ID: / Analyte	MW-C1-15.0 8656 G	BN-C2-2.5 8667 N	BN-C2-5.0 8667 O	BN-C2-7.5 8667 P	BN-C2-10.0 8667 Q	BN-C3-2.5 8667 J	BN-C3-5.0 8667 K	BN-C 866
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.5 U	2.3 U	6.6 U	7.2 U	6.0 U	2.5 U	7.1 U	
Bromomethane	2.5 U	2.3 U	3.9 U	4.3 U	3.6 U	2.5 U	4.3 U	
Vinyl Chloride	2.5 U	3.5 U	3.9 U	4.3 U	3.6 U	3.8 U	4.3 U	
Chloroethane	2.5 U	3.5 U	3.9 U	4.3 U	3.6 U	3.8 U	4.3 U	
Methylene Chloride	1.7 UJ	1.4	1.8 UJ	1.0 J	0.5 M	0.8 J	2.8 U	
Acetone	26 U	5.9 U	13 U	18 U	6.1 U	6.4 U	7.1 U	5
Carbon Disulfide	1.3 U	2.3 U	2.6 U	2.9 U	2.4 U	2.5 U	2.8 U	2
1,1-Dichloroethene	1.3 U	1.2 U	2.6 U	2.9 U	2.4 U	1.3 U	2.8 U	1
1,1-Dichloroethane	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1
Trans-1,2-Dichloroethene	1.3 U	NA	1.3 U	1.4 U	1.2 U	NA	1.4 U	N
Cis-1,2-Dichloroethene	1.3 U	NA	1.3 U	1.4 U	1.2 U	NA	1.4 U	N
1,2-Dichloroethene (Total)	NA	1.2 U	NA	NA	NA	1.3 U	NA	1.
Chloroform	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.
1,2-Dichloroethane	1.3 U	2.3 U	1.3 U	1.4 U	1.2 U	2.5 U	1.4 U	2.
2-Butanone	11	8.8 U	9.9 U	11 U	9.0 U	9.5 U	11 U	8.
1,1,1-Trichloroethane	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2
Carbon Tetrachloride	1.3 U	2.3 U	1.3 U	1.4 U	1.2 U	2.5 U	1.4 U	2.3
Vinyl Acetate	1.3 U	2.3 U	1.3 U	1.4 U	1.2 U	2.5 U	1.4 U	2.3
Bromodichloromethane	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2
Trichlorofluoromethane	2.5 U	2.3 U	1.3 U	1.4 U	1.2 U	2.5 U	1.4 U	2.3
1,2-Dichloropropane	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2
Trans-1,3-Dichloropropene	1.3 U	2.3 U	1.3 U	1.4 U	1.2 U	2.5 U	1.4 U	2.3
Trichloroethene	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2
Dibromochloromethane	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2
1,1,2-Trichloroethane	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2
Benzene	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2
cis-1,3-Dichloropropene	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2
2-Chloroethylvinylether	1.3 U	2.3 U	1.3 U	1.4 U	1.2 U	2.5 U	1.4 U	2.3
Bromoform	1.3 U	3.5 U	1.3 U	1.4 U	1.2 U	3.8 U	1.4 U	3.4
4-Methyl-2-Pentanone	4.7 J	2.3 U	2.6 U	2.9 U	2.4 U	2.5 U	2.8 U	2.3
2-Hexanone	6.3 U	2.3 U	5.3 U	5.8 U	4.8 U	2.5 U	5.7 U	2.3 U
Tetrachloroethene	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2 U
1,1,2,2-Tetrachloroethane	1.3 U	2.3 U	1.3 U	1.4 U	1.2 U	2.5 U	1.4 U	2.3 U
Toluene	3.6	3.8	1.3 U	1.1 J	1.2 U	3.3	1.4 U	2.7
Chlorobenzene	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2 U
Ethylbenzene	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2 U
Styrene	1.3 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.4 U	1.2 U
Total Xylenes	2.5 U	2.3 U	2.6 U	2.9 U	2.4 U	2.5 U	2.8 U	2.3 U
Freon-TF	2.5 U	2.3 U	6.6 U	7.2 U	6.0 U	2.5 U	7.1 U	2.3 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	4.0 U	7.0 U	6.0 U	6.0 U	6.0 U	7.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.3 U	0.2 U	0.3 U	0.2 U	0.3	0.2 U
Chromium	10	12	15	21	14	15	17	11
Copper	13	9.9	18	23	16	18	22	11
Nickel	4.0	9.0	14	15	11	9.0	11	5.0
Lead	3.0	3.0	7.0	14	7.0	19	12	5.0
Zinc	16	27	39	60	38	37	39	16

TABLE 1 (Continued)

Sample No.:	MW-C1-15.0	BN-C2-2.5	BN-C2-5.0	BN-C2-7.5	BN-C2-10.0	BN-C3-2.5	BN-C3-5.0	B
Lab ID:	8656 G	8667 N	8667 O	8667 P	8667 Q	8667 J	8667 K	
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	150 U	140 U	150 U	170 U	150 U	150 U	160 U	
bis(2-Chloroethyl)Ether	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
2-Chlorophenol	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
1,3-Dichlorobenzene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
1,4-Dichlorobenzene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
Benzyl Alcohol	370 U	360 U	380 U	420 U	380 U	380 U	410 U	
1,2-Dichlorobenzene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
2-Methylphenol	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
bis(2-chloroisopropyl)Ether	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
4-Methylphenol	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
N-Nitroso-Di-n-Propylamine	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
Hexachloroethane	150 U	140 U	150 U	170 U	150 U	150 U	160 U	
Nitrobenzene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
Isophorone	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
2-Nitrophenol	370 U	360 U	380 U	420 U	380 U	380 U	410 U	
2,4-Dimethylphenol	150 U	140 U	150 U	170 U	150 U	150 U	160 U	
Benzoic Acid	750 U	720 U	770 U	840 U	770 U	760 U	820 U	
bis(2-Chloroethoxy)Methane	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
2,4-Dichlorophenol	220 U	220 U	230 U	250 U	230 U	230 U	240 U	
1,2,4-Trichlorobenzene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
Naphthalene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
4-Chloroaniline	220 U	220 U	230 U	250 U	230 U	230 U	240 U	2
Hexachlorobutadiene	150 U	140 U	150 U	170 U	150 U	150 U	160 U	1
4-Chloro-3-Methylphenol	150 U	140 U	150 U	170 U	150 U	150 U	160 U	1
2-Methylnaphthalene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	
Hexachlorocyclopentadiene	370 U	360 U	380 U	420 U	380 U	380 U	410 U	3
2,4,6-Trichlorophenol	370 U	360 U	380 U	420 U	380 U	380 U	410 U	3
2,4,5-Trichlorophenol	370 U	360 U	380 U	420 U	380 U	380 U	410 U	3
2-Chloronaphthalene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	6
2-Nitroaniline	370 U	360 U	380 U	420 U	380 U	380 U	410 U	33
Dimethyl Phthalate	75 U	72 U	77 U	84 U	77 U	76 U	82 U	6
Acenaphthylene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	6
3-Nitroaniline	370 U	360 U	380 U	420 U	380 U	380 U	410 U	33
Acenaphthene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
2,4-Dinitrophenol	750 U	720 U	770 U	840 U	770 U	760 U	820 U	65
4-Nitrophenol	370 U	360 U	380 U	420 U	380 U	380 U	410 U	33
Dibenzofuran	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
2,4-Dinitrotoluene	370 U	360 U	380 U	420 U	380 U	380 U	410 U	330
2,6-Dinitrotoluene	370 U	360 U	380 U	420 U	380 U	380 U	410 U	330
Diethylphthalate	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
4-Chlorophenyl-phenylether	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Fluorene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
4-Nitroaniline	370 U	360 U	380 U	420 U	380 U	380 U	410 U	330
4,6-Dinitro-2-Methylphenol	750 U	720 U	770 U	840 U	770 U	760 U	820 U	650
N-Nitrosodiphenylamine(1)	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
4-Bromophenyl-phenylether	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Hexachlorobenzene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Pentachlorophenol	370 U	360 U	380 U	420 U	380 U	380 U	410 U	330
Phenanthrene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Anthracene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Di-n-Butylphthalate	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Fluoranthene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Pyrene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Butylbenzylphthalate	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
3,3'-Dichlorobenzidine	370 U	360 U	380 U	420 U	380 U	380 U	410 U	330
Benzo(a)Anthracene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
bis(2-Ethylhexyl)Phthalate	48 M	72 U	77 U	84 U	77 U	76 U	82 U	65
Chrysene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Di-n-Octyl Phthalate	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Benzo(b)Fluoranthene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Benzo(k)Fluoranthene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Benzo(a)Pyrene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Indeno(1,2,3-cd)Pyrene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Dibenz(a,h)Anthracene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65
Benzo(ghi)Perylene	75 U	72 U	77 U	84 U	77 U	76 U	82 U	65

TABLE 1 (Continued)

Sample No.:	BN-C3-12.5	BN-D1-2.5	BN-D1-5.0	BN-D1-7.5	BN-D1-12.5	D2-2.5	D2-5.0	D2-7.5
Lab ID:	8667 M	8667 V	8667 W	8667 X	8667 Y	8674 G	8674 H	8674 I
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.5 U	6.0 U	6.8 U	6.3 U	6.2 U	2.1 U	2.1 U	2.4 U
Bromomethane	2.5 U	3.6 U	4.1 U	3.8 U	3.7 U	2.1 U	2.1 U	2.4 U
Vinyl Chloride	3.8 U	3.6 U	4.1 U	3.8 U	3.7 U	2.1 U	2.1 U	2.4 U
Chloroethane	3.8 U	3.6 U	4.1 U	3.8 U	3.7 U	2.1 U	2.1 U	2.4 U
Methylene Chloride	0.8 M	0.9 J	3.6 U	0.6 J	0.9 J	1.5 UJ	1.1 UJ	1.1 UJ
Acetone	6.3 U	6.0 U	3.4 UJ	6.3 U	8.8 U	6.3 U	7.3 U	11 U
Carbon Disulfide	2.5 U	2.4 U	2.7 U	2.5 U	2.5 U	1.1 U	2.4	2.4
1,1-Dichloroethene	1.3 U	2.4 U	2.7 U	2.5 U	2.5 U	1.1 U	1.1 U	1.2 U
1,1-Dichloroethane	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Trans-1,2-Dichloroethene	NA	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Cis-1,2-Dichloroethene	NA	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
1,2-Dichloroethene (Total)	1.3 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
1,2-Dichloroethane	2.5 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
2-Butanone	9.4 U	9.0 U	10 U	9.0 U	9.3 U	5.3 U	5.3 U	6.0 U
1,1,1-Trichloroethane	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Carbon Tetrachloride	2.5 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Vinyl Acetate	2.5 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Bromodichloromethane	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Trichlorofluoromethane	2.5 U	1.2 U	1.4 U	1.3 U	1.2 U	2.1 U	2.1 U	2.4 U
1,2-Dichloropropane	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Trans-1,3-Dichloropropene	2.5 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Trichloroethene	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Dibromochloromethane	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
1,1,2-Trichloroethane	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Benzene	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
cis-1,3-Dichloropropene	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
2-Chloroethylvinylether	2.5 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Bromoform	3.8 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
4-Methyl-2-Pentanone	2.5 U	2.4 U	2.7 U	2.5 U	2.5 U	5.3 U	5.3 U	6.0 U
2-Hexanone	2.5 U	4.8 U	5.4 U	5.0 U	4.9 U	5.3 U	5.3 U	6.0 U
Tetrachloroethene	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
1,1,2,2-Tetrachloroethane	2.5 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Toluene	1.3 U	4.1 J	23 J	0.5 J	15 J	48	13	16
Chlorobenzene	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Ethylbenzene	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Styrene	1.3 U	1.2 U	1.4 U	1.3 U	1.2 U	1.1 U	1.1 U	1.2 U
Total Xylenes	2.5 U	2.4 U	1.1 J	2.5 U	2.5 U	2.3 M	1.1 M	2.4 U
Freon-TF	2.5 U	6.0 U	6.8 U	6.3 U	6.2 U	2.1 U	2.1 U	2.4 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	5.0 U	7.0 U	7.0	5.0 U	4.0 U	5.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3
Chromium	9.9	17	18	16	10	13	18	18
Copper	10	20	22	24	8.5	11	18	18
Nickel	3.0	13	14	12	3.0	10	17	18
Lead	3.0 U	6.0	6.0	11	3.0	6.0	13	19
Zinc	14	37	39	47	12	29	37	40

TABLE 1 (Continued)

Sample No.:	BN-C3-12.5	BN-D1-2.5	BN-D1-5.0	BN-D1-7.5	BN-D1-12.5	D2-2.5	D2-5.0	D2-7.5
Lab ID:	8667 M	8667 V	8667 W	8667 X	8667 Y	8674 G	8674 H	8674 I
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	150 U	140 U	170 U	170 U	140 U	120 U	120 U	140 U
bis(2-Chloroethyl)Ether	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
2-Chlorophenol	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
1,3-Dichlorobenzene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
1,4-Dichlorobenzene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Benzyl Alcohol	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
1,2-Dichlorobenzene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
2-Methylphenol	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
bis(2-chloroisopropyl)Ether	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
4-Methylphenol	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
N-Nitroso-Di-n-Propylamine	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Hexachloroethane	150 U	140 U	170 U	170 U	140 U	120 U	120 U	140 U
Nitrobenzene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Isophorone	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
2-Nitrophenol	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
2,4-Dimethylphenol	150 U	140 U	170 U	170 U	140 U	120 U	120 U	140 U
Benzoic Acid	740 U	720 U	850 U	850 U	720 U	590 U	610 U	710 U
bis(2-Chloroethoxy)Methane	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
2,4-Dichlorophenol	220 U	220 U	260 U	250 U	220 U	180 U	180 U	210 U
1,2,4-Trichlorobenzene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Naphthalene	74 U	72 U	85 U	49 J	72 U	59 U	61 U	71 U
4-Chloroaniline	220 U	220 U	260 U	250 U	220 U	180 U	180 U	210 U
Hexachlorobutadiene	150 U	140 U	170 U	170 U	140 U	120 U	120 U	140 U
4-Chloro-3-Methylphenol	150 U	140 U	170 U	170 U	140 U	120 U	120 U	140 U
2-Methylnaphthalene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Hexachlorocyclopentadiene	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
2,4,6-Trichlorophenol	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
2,4,5-Trichlorophenol	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
2-Chloronaphthalene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
2-Nitroaniline	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
Dimethyl Phthalate	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Acenaphthylene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
3-Nitroaniline	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
Acenaphthene	74 U	72 U	85 U	130	72 U	59 U	61 U	71 U
2,4-Dinitrophenol	740 U	720 U	850 U	850 U	720 U	590 U	610 U	710 U
4-Nitrophenol	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
Dibenzofuran	74 U	72 U	85 U	100	72 U	59 U	61 U	71 U
2,4-Dinitrotoluene	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
2,6-Dinitrotoluene	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
Diethylphthalate	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
4-Chlorophenyl-phenylether	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Fluorene	74 U	72 U	85 U	99	72 U	59 U	61 U	71 U
4-Nitroaniline	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
4,6-Dinitro-2-Methylphenol	740 U	720 U	850 U	850 U	720 U	590 U	610 U	710 U
N-Nitrosodiphenylamine(1)	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
4-Bromophenyl-phenylether	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Hexachlorobenzene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Pentachlorophenol	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
Phenanthrene	74 U	72 U	85 U	1100	72 U	59 U	61 U	71 U
Anthracene	74 U	72 U	85 U	140	72 U	59 U	61 U	71 U
Di-n-Butylphthalate	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Fluoranthene	74 U	72 U	85 U	600	72 U	59 U	61 U	71 U
Pyrene	74 U	72 U	85 U	500	72 U	59 U	61 U	71 U
Butylbenzylphthalate	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
3,3'-Dichlorobenzidine	370 U	360 U	430 U	420 U	360 U	300 U	300 U	350 U
Benzo(a)Anthracene	74 U	72 U	85 U	140	72 U	59 U	61 U	71 U
bis(2-Ethylhexyl)Phthalate	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Chrysene	74 U	72 U	85 U	190	72 U	59 U	61 U	71 U
Di-n-Octyl Phthalate	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Benzo(b)Fluoranthene	74 U	72 U	85 U	*	72 U	59 U	61 U	71 U
Benzo(k)Fluoranthene	74 U	72 U	85 U	200	72 U	59 U	61 U	71 U
Benzo(a)Pyrene	74 U	72 U	85 U	130	72 U	59 U	61 U	71 U
Indeno(1,2,3-cd)Pyrene	74 U	72 U	85 U	130	72 U	59 U	61 U	71 U
Dibenz(a,h)Anthracene	74 U	72 U	85 U	85 U	72 U	59 U	61 U	71 U
Benzo(ghi)Perylene	74 U	72 U	85 U	130	72 U	59 U	61 U	71 U

TABLE 1 (Continued)

Sample No.: / Lab ID: / Analyte	BN-C3-12.5 8667 M	BN-D1-2.5 8667 V	BN-D1-5.0 8667 W	BN-D1-7.5 8667 X	BN-D1-12.5 8667 Y	D2-2.5 8674 G	D2-5.0 8674 H	D2-7.5 8674 I
ISOPROPYL ALCOHOL (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA
PEST/PCBs (ug/kg)								
Alpha-BHC	NA	3.0 U	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	3.0 U	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	4.5 U	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	3.0 U	NA	NA	NA	NA	NA	NA
Heptachlor	NA	3.0 U	NA	NA	NA	NA	NA	NA
Aldrin	NA	3.0 U	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	3.0 U	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	3.0 U	NA	NA	NA	NA	NA	NA
Dieldrin	NA	6.0 U	NA	NA	NA	NA	NA	NA
4,4-DDE	NA	6.0 U	NA	NA	NA	NA	NA	NA
Endrin	NA	6.0 U	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	6.0 U	NA	NA	NA	NA	NA	NA
4,4-DDD	NA	6.0 U	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	12 U	NA	NA	NA	NA	NA	NA
4,4-DDT	NA	6.0 U	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	12 U	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	10 U	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	4.5 U	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	4.5 U	NA	NA	NA	NA	NA	NA
Toxaphene	NA	450 U	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016	NA	60 U	NA	NA	NA	NA	NA	NA
Aroclor-1248	NA	60 U	NA	NA	NA	NA	NA	NA
Aroclor-1254	NA	60 U	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	60 U	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	D2-12.5	D4-2.5	D4-5.0	D4-7.5	D4-10.0	BN-E2-2.5	BN-E2-5.0	BN-E2-7.5
Lab ID:	8674 J	8674 K	8674 L	8674 M	8674 N	8684 A	8684 B	8684 C
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.4 U	2.2 U	3.2 U	2.7 U	2.3 U	2.1 U	3.0 U	2.8 U
Bromomethane	2.4 U	2.2 U	3.2 U	2.7 U	2.3 U	2.1 U	3.0 U	2.8 U
Vinyl Chloride	2.4 U	2.2 U	3.2 U	2.7 U	2.3 U	2.1 U	3.0 U	2.8 U
Chloroethane	2.4 U	2.2 U	3.2 U	2.7 U	2.3 U	2.1 U	3.0 U	2.8 U
Methylene Chloride	1.5 UJ	1.8 UJ	1.5 UJ	1.4 UJ	2.5 U	1.9 UJ	3.2 U	2.4 UJ
Acetone	27 U	11 U	62	24 U	4.9 UJ	7.3 UJ	8.0 U	6.9 UJ
Carbon Disulfide	2.0	3.0	2.7	0.7 M	1.2 U	1.1 U	1.5 U	1.4 U
1,1-Dichloroethene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
1,1-Dichloroethane	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Trans-1,2-Dichloroethene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Cis-1,2-Dichloroethene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
1,2-Dichloroethane	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
2-Butanone	12	5.5 U	21	7.5	6.3	5.2 U	7.4 U	6.9 U
1,1,1-Trichloroethane	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Carbon Tetrachloride	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Vinyl Acetate	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Bromodichloromethane	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Trichlorofluoromethane	2.4 U	2.2 U	3.2 U	2.7 U	2.3 U	2.1 U	3.0 U	2.8 U
1,2-Dichloropropane	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Trans-1,3-Dichloropropene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Trichloroethene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Dibromochloromethane	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
1,1,2-Trichloroethane	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Benzene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
cis-1,3-Dichloropropene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
2-Chloroethylvinylether	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Bromoform	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
4-Methyl-2-Pentanone	6.1 U	5.5 U	8.0 U	6.7 U	5.8 U	5.2 U	4.6 J	6.9 U
2-Hexanone	6.1 U	5.5 U	8.0 U	6.7 U	5.8 U	5.2 U	7.4 U	6.9 U
Tetrachloroethene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
1,1,2,2-Tetrachloroethane	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Toluene	6.3	27	2.9	2.3	7.5	0.7 M	1.2 M	1.2 J
Chlorobenzene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Ethylbenzene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Styrene	1.2 U	1.1 U	1.6 U	1.3 U	1.2 U	1.1 U	1.5 U	1.4 U
Total Xylenes	2.4 U	1.7 M	3.2 U	2.7 U	2.3 U	2.1 U	3.0 U	2.8 U
Freon-TF	2.4 U	2.2 U	3.2 U	2.7 U	2.3 U	2.1 U	3.0 U	2.8 U
METALS (mg/kg-dry)								
Arsenic	6.0 U	5.0 U	7.0 U	5.0 U	4.0 U	5.0 U	7.0 U	6.0
Cadmium	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U
Chromium	11	13	18	19	10	8.3	20	16
Copper	7.9	16	27	21	8.4	9.7	37	22
Nickel	2.0	10	11	6.0	3.0	7.0	16	8.0
Lead	3.0 U	10	9.0	7.0	2.0 U	3.0 U	9.0	7.0
Zinc	9.1	35	19	13	9.8	19	33	14

TABLE 1 (Continued)

Sample No.:	D2-12.5	D4-2.5	D4-5.0	D4-7.5	D4-10.0	BN-E2-2.5	BN-E2-5.0	BN-E2-7.5
Lab ID:	8674 J	8674 K	8674 L	8674 M	8674	8684 A	8684 B	8684 C
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	140 U	130 U	180 U	150 U	140 U	130 U	170 U	170 U
bis(2-Chloroethyl)Ether	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
2-Chlorophenol	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
1,3-Dichlorobenzene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
1,4-Dichlorobenzene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Benzyl Alcohol	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
1,2-Dichlorobenzene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
2-Methylphenol	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
bis(2-chloroisopropyl)Ether	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
4-Methylphenol	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
N-Nitroso-Di-n-Propylamine	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Hexachloroethane	140 U	130 U	180 U	150 U	140 U	130 U	170 U	170 U
Nitrobenzene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Isophorone	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
2-Nitrophenol	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
2,4-Dimethylphenol	140 U	130 U	180 U	150 U	140 U	130 U	170 U	170 U
Benzoic Acid	690 U	650 U	890 U	770 U	680 U	640 U	840 U	850 U
bis(2-Chloroethoxy)Methane	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
2,4-Dichlorophenol	210 U	190 U	270 U	230 U	200 U	190 U	250 U	260 U
1,2,4-Trichlorobenzene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Naphthalene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
4-Chloroaniline	210 U	190 U	270 U	230 U	200 U	190 U	250 U	260 U
Hexachlorobutadiene	140 U	130 U	180 U	150 U	140 U	130 U	170 U	170 U
4-Chloro-3-Methylphenol	140 U	130 U	180 U	150 U	140 U	130 U	170 U	170 U
2-Methylnaphthalene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Hexachlorocyclopentadiene	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
2,4,6-Trichlorophenol	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
2,4,5-Trichlorophenol	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
2-Chloronaphthalene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
2-Nitroaniline	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
Dimethyl Phthalate	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Acenaphthylene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
3-Nitroaniline	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
Acenaphthene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
2,4-Dinitrophenol	690 U	650 U	890 U	770 U	680 U	640 U	840 U	850 U
4-Nitrophenol	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
Dibenzofuran	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
2,4-Dinitrotoluene	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
2,6-Dinitrotoluene	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
Diethylphthalate	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
4-Chlorophenyl-phenylether	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Fluorene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
4-Nitroaniline	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
4,6-Dinitro-2-Methylphenol	690 U	650 U	890 U	770 U	680 U	640 U	840 U	850 U
N-Nitrosodiphenylamine(1)	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
4-Bromophenyl-phenylether	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Hexachlorobenzene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Pentachlorophenol	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
Phenanthrene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Anthracene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Di-n-Butylphthalate	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Fluoranthene	70 U	130	89 U	77 U	68 U	65 U	84 U	86 U
Pyrene	70 U	190	89 U	77 U	68 U	65 U	84 U	86 U
Butylbenzylphthalate	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
3,3'-Dichlorobenzidine	350 U	320 U	440 U	390 U	340 U	320 U	420 U	430 U
Benzo(a)Anthracene	70 U	99	89 U	77 U	68 U	65 U	84 U	86 U
bis(2-Ethylhexyl)Phthalate	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Chrysene	70 U	130	89 U	77 U	68 U	65 U	84 U	86 U
Di-n-Octyl Phthalate	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Benzo(b)Fluoranthene	70 U	81 M	89 U	77 U	68 U	65 U	84 U	86 U
Benzo(k)Fluoranthene	70 U	66 M	89 U	77 U	68 U	65 U	84 U	86 U
Benzo(a)Pyrene	70 U	69 M	89 U	77 U	68 U	65 U	84 U	86 U
Indeno(1,2,3-cd)Pyrene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Dibenz(a,h)Anthracene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U
Benzo(ghi)Perylene	70 U	65 U	89 U	77 U	68 U	65 U	84 U	86 U

TABLE 1 (Continued)

Sample No.: / Lab ID: / Analyte	D2-12.5 8674 J	BN-D4-2.5 8674 K	D4-5.0 8674 L	D4-7.5 8674 M	D4-10.0 8674	BN-E2-2.5 8684 A	BN-E2-5.0 8684 B	BN-E2-7.5 8684 C
ISOPROPYL ALCOHOL (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA
PEST/PCBs (ug/kg)								
Alpha-BHC	NA	3.0 U	NA	NA	NA	NA	NA	NA
Beta-BHC	NA	3.0 U	NA	NA	NA	NA	NA	NA
Delta-BHC	NA	4.5 U	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	3.0 U	NA	NA	NA	NA	NA	NA
Heptachlor	NA	3.0 U	NA	NA	NA	NA	NA	NA
Aldrin	NA	3.0 U	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide	NA	3.0 U	NA	NA	NA	NA	NA	NA
Endosulfan I	NA	3.0 U	NA	NA	NA	NA	NA	NA
Dieldrin	NA	6.0 U	NA	NA	NA	NA	NA	NA
4,4-DDE	NA	6.0 U	NA	NA	NA	NA	NA	NA
Endrin	NA	6.0 U	NA	NA	NA	NA	NA	NA
Endosulfan II	NA	6.0 U	NA	NA	NA	NA	NA	NA
4,4-DDD	NA	6.0 U	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	NA	12 U	NA	NA	NA	NA	NA	NA
4,4-DDT	NA	6.0 U	NA	NA	NA	NA	NA	NA
Methoxychlor	NA	12 U	NA	NA	NA	NA	NA	NA
Endrin Ketone	NA	9.0 U	NA	NA	NA	NA	NA	NA
Gamma-Chlordane	NA	4.5 U	NA	NA	NA	NA	NA	NA
Alpha-Chlordane	NA	4.5 U	NA	NA	NA	NA	NA	NA
Toxaphene	NA	450 U	NA	NA	NA	NA	NA	NA
Aroclor-1242/1016	NA	60 U	NA	NA	NA	NA	NA	NA
Aroclor-1248	NA	60 U	NA	NA	NA	NA	NA	NA
Aroclor-1254	NA	23 J	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	60 U	NA	NA	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	BN-E2-10.0	MW-E3-2.5	MW-E3-5.0	MW-E3-7.5	(Dup of E3-7.5) MW-E3-75	MW-E3-10.0	MW-E3-15.0	BN-F1-2.5
Lab ID:	8684 D	8656 H	8656 I	8656 J	8656 M	8656 K	8656 L	8667 R
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.5 U	2.2 U	2.9 U	3.0 U	2.9 U	3.0 U	2.4 U	6.0 U
Bromomethane	2.5 U	2.2 U	2.9 U	3.0 U	2.9 U	3.0 U	2.4 U	3.6 U
Vinyl Chloride	2.5 U	2.2 U	2.9 U	3.0 U	2.9 U	3.0 U	2.4 U	3.6 U
Chloroethane	2.5 U	2.2 U	2.9 U	3.0 U	2.9 U	3.0 U	2.4 U	3.6 U
Methylene Chloride	2.2 UJ	1.4 UJ	1.7 UJ	0.9 UJ	0.9 UJ	0.9 UJ	1.5 UJ	1.0 J
Acetone	12 U	4.6 UJ	3.9 UJ	9.0 U	5.8 UJ	11 U	18 U	6.0 U
Carbon Disulfide	0.9 J	1.1 U	1.4 U	1.5 U	1.4 U	2.7	7.1	2.4 U
1,1-Dichloroethene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	2.4 U
1,1-Dichloroethane	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Trans-1,2-Dichloroethene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Cis-1,2-Dichloroethene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
1,2-Dichloroethane	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
2-Butanone	4.8 J	5.4 U	7.1 U	7.4 U	7.2 U	7.6 U	7.8	9.0 U
1,1,1-Trichloroethane	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Carbon Tetrachloride	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Vinyl Acetate	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Bromodichloromethane	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Trichlorofluoromethane	2.5 U	2.2 U	2.9 U	3.0 U	2.9 U	3.0 U	2.4 U	1.2 U
1,2-Dichloropropane	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Trans-1,3-Dichloropropene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Trichloroethene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Dibromochloromethane	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
1,1,2-Trichloroethane	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Benzene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
cis-1,3-Dichloropropene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
2-Chloroethylvinylether	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Bromoform	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
4-Methyl-2-Pentanone	6.2 U	5.4 U	7.1 U	7.4 U	7.2 U	7.6 U	5.5 J	2.4 U
2-Hexanone	6.2 U	5.4 U	7.1 U	7.4 U	7.2 U	7.6 U	6.1 U	4.8 U
Tetrachloroethene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
1,1,2,2-Tetrachloroethane	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Toluene	1.0 J	1.2	6.9	1.5 U	1.1 J	1.1 J	2.5	1.2 U
Chlorobenzene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Ethylbenzene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Styrene	1.2 U	1.1 U	1.4 U	1.5 U	1.4 U	1.5 U	1.2 U	1.2 U
Total Xylenes	2.5 U	3.3	2.9 U	3.0 U	2.9 U	3.0 U	2.4 U	2.4 U
Freon-TF	2.5 U	2.2 U	2.9 U	3.0 U	2.9 U	3.0 U	2.4 U	6.0 U
METALS (mg/kg-dry)								
Arsenic	6.0 U	4.0 U	6.0 U	6.0 U	6.0 U	6.0 U	5.0 U	7.0
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.3 U	0.2 U	0.2
Chromium	11	8.6	16	16	21	19	11	14
Copper	9.3	13	26	30	37	22	12	19
Nickel	3.0	7.0	13	8.0	10	6.0	15	10
Lead	3.0 U	4.0	7.0	8.0	8.0	7.0	3.0	15
Zinc	11	19	40	20	23	15	25	44

TABLE 1 (Continued)

Sample No.:	BN-E2-10.0	MW-E3-2.5	MW-E3-5.0	MW-E3-7.5	(Dup of E3-7.5) MW-E3-75	MW-E3-10.0	MW-E3-15.0	BN-F1-2.5
Lab ID:	8684 D	8656 H	8656 I	8656 J	8656 M	8656 K	8656 L	8667 R
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	130 U	130 U	160 U	190 U	170 U	150 U	140 U	140 U
bis(2-Chloroethyl)Ether	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
2-Chlorophenol	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
1,3-Dichlorobenzene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
1,4-Dichlorobenzene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Benzyl Alcohol	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
1,2-Dichlorobenzene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
2-Methylphenol	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
bis(2-chloroisopropyl)Ether	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
4-Methylphenol	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
N-Nitroso-Di-n-Propylamine	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Hexachloroethane	130 U	130 U	160 U	190 U	170 U	150 U	140 U	140 U
Nitrobenzene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Isophorone	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
2-Nitrophenol	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
2,4-Dimethylphenol	130 U	130 U	160 U	190 U	170 U	150 U	140 U	140 U
Benzoic Acid	640 U	660 U	800 U	940 U	850 U	750 U	690 U	720 U
bis(2-Chloroethoxy)Methane	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
2,4-Dichlorophenol	190 U	200 U	240 U	280 U	260 U	220 U	210 U	220 U
1,2,4-Trichlorobenzene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Naphthalene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
4-Chloroaniline	190 U	200 U	240 U	280 U	260 U	220 U	210 U	220 U
Hexachlorobutadiene	130 U	130 U	160 U	190 U	170 U	150 U	140 U	140 U
4-Chloro-3-Methylphenol	130 U	130 U	160 U	190 U	170 U	150 U	140 U	140 U
2-Methylnaphthalene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Hexachlorocyclopentadiene	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
2,4,6-Trichlorophenol	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
2,4,5-Trichlorophenol	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
2-Chloronaphthalene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
2-Nitroaniline	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
Dimethyl Phthalate	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Acenaphthylene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
3-Nitroaniline	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
Acenaphthene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
2,4-Dinitrophenol	640 U	660 U	800 U	940 U	850 U	750 U	690 U	720 U
4-Nitrophenol	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
Dibenzofuran	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
2,4-Dinitrotoluene	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
2,6-Dinitrotoluene	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
Diethylphthalate	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
4-Chlorophenyl-phenylether	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Fluorene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
4-Nitroaniline	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
4,6-Dinitro-2-Methylphenol	640 U	660 U	800 U	940 U	850 U	750 U	690 U	720 U
N-Nitrosodiphenylamine(1)	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
4-Bromophenyl-phenylether	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Hexachlorobenzene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Pentachlorophenol	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
Phenanthrene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Anthracene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Di-n-Butylphthalate	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Fluoranthene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Pyrene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Butylbenzylphthalate	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
3,3'-Dichlorobenzidine	320 U	330 U	400 U	470 U	430 U	370 U	340 U	360 U
Benzo(a)Anthracene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
bis(2-Ethylhexyl)Phthalate	65 U	66 U	80 U	220	88 M	75 U	69 U	72 U
Chrysene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Di-n-Octyl Phthalate	65 U	66 U	80 U	44 M	85 U	31 M	69 U	72 U
Benzo(b)Fluoranthene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Benzo(k)Fluoranthene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Benzo(a)Pyrene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Indeno(1,2,3-cd)Pyrene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Dibenz(a,h)Anthracene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U
Benzo(ghi)Perylene	65 U	66 U	80 U	94 U	85 U	75 U	69 U	72 U

TABLE 1 (Continued)

Sample No.:	BN-F1-5.0	BN-F1-7.5	BN-F1-12.5	BN-F2-2.5	BN-F2-4.5	BN-F2-7.5	BN-F2-11.5	BN-G1-2.5
Lab ID:	8667 S	8667 T	8667 U	8610 AL	8610 AM	8610 AN	8610 AP	8610 A
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	6.2 U	6.7 U	6.2 U	2.0 U	1.9 U	2.5 U	2.4 U	2.0 U
Bromomethane	3.7 U	4.0 U	3.8 U	2.0 U	1.9 U	2.5 U	2.4 U	2.0 U
Vinyl Chloride	3.7 U	4.0 U	3.8 U	2.0 U	1.9 U	2.5 U	2.4 U	2.0 U
Chloroethane	3.7 U	4.0 U	3.8 U	2.0 U	1.9 U	2.5 U	2.4 U	2.0 U
Methylene Chloride	0.7 J	1.0 J	0.7 J	2.5 U	3.1 U	4.4 U	4.7 U	3.0 U
Acetone	6.2 U	2.2 MU	1.8 UJ	3.3 UJ	4.0 UJ	30 U	14 U	8.1 U
Carbon Disulfide	2.5 U	2.7 U	2.5 U	1.0 U	1.0 U	1.2 J	1.2 U	1.0 U
1,1-Dichloroethene	2.5 U	2.7 U	2.5 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
1,1-Dichloroethane	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Trans-1,2-Dichloroethene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Cis-1,2-Dichloroethene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
1,2-Dichloroethane	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
2-Butanone	9.0 U	10 U	9.0 U	4.9 U	4.7 U	9.7	3.0 J	5.1 U
1,1,1-Trichloroethane	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Carbon Tetrachloride	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Vinyl Acetate	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Bromodichloromethane	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Trichlorofluoromethane	1.2 U	1.3 U	1.3 U	2.0 U	1.9 U	2.5 U	2.4 U	2.0 U
1,2-Dichloropropane	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Trans-1,3-Dichloropropene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Trichloroethene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Dibromochloromethane	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
1,1,2-Trichloroethane	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Benzene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
cis-1,3-Dichloropropene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
2-Chloroethylvinylether	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Bromoform	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
4-Methyl-2-Pentanone	2.5 U	2.7 U	2.5 U	4.9 U	4.7 U	6.3 U	5.9 U	5.1 U
2-Hexanone	5.0 U	5.3 U	5.0 U	4.9 U	4.7 U	6.3 U	5.9 U	5.1 U
Tetrachloroethene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
1,1,2,2-Tetrachloroethane	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Toluene	0.5 MJ	1.3 U	0.8 MJ	1.3	1.8	1.3 U	0.6 M	1.0 U
Chlorobenzene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Ethylbenzene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Styrene	1.2 U	1.3 U	1.3 U	1.0 U	1.0 U	1.3 U	1.2 U	1.0 U
Total Xylenes	2.5 U	2.7 U	2.5 U	2.0 U	1.9 U	2.5 U	2.4 U	2.0 U
Freon-TF	6.2 U	6.7 U	6.2 U	2.0 U	1.9 U	2.5 U	2.4 U	2.0 U
METALS (mg/kg-dry)								
Arsenic	7.0	7.0 U	6.0 U	6.0	9.0	6.0 U	7.0	5.0 U
Cadmium	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	22	15	8.2	17	17	11	9.0	6.1
Copper	37	17	7.4	31	31	21	20	18
Nickel	19	6.0	2.0	24	23	9.0	6.0	9.0
Lead	11	7.0	3.0 U	10	9.0	8.0	6.0	7.0
Zinc	54	15	10	43	45	26	17	30

TABLE 1 (Continued)

Sample No.:	BN-F1-5.0	BN-F1-7.5	BN-F1-12.5	BN-F2-2.5	BN-F2-4.5	BN-F2-7.5	BN-F2-11.5	BN-G1-2.5
Lab ID:	8667 S	8667 T	8667 U	8610 AL	8610 AM	8610 AN	8610 AP	8610 A
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	170 U	160 U	130 U	110 U	110 U	140 U	140 U	120 U
bis(2-Chloroethyl)Ether	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
2-Chlorophenol	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
1,3-Dichlorobenzene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
1,4-Dichlorobenzene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Benzyl Alcohol	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
1,2-Dichlorobenzene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
2-Methylphenol	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
bis(2-chloroisopropyl)Ether	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
4-Methylphenol	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
N-Nitroso-Di-n-Propylamine	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Hexachloroethane	170 U	160 U	130 U	110 U	110 U	140 U	140 U	120 U
Nitrobenzene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Isophorone	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
2-Nitrophenol	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
2,4-Dimethylphenol	170 U	160 U	130 U	110 U	110 U	140 U	140 U	120 U
Benzoic Acid	860 U	810 U	670 U	570 U	570 U	720 U	690 U	590 U
bis(2-Chloroethoxy)Methane	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
2,4-Dichlorophenol	260 U	240 U	200 U	170 U	170 U	220 U	210 U	180 U
1,2,4-Trichlorobenzene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Naphthalene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
4-Chloroaniline	260 U	240 U	200 U	170 U	170 U	220 U	210 U	180 U
Hexachlorobutadiene	170 U	160 U	130 U	110 U	110 U	140 U	140 U	120 U
4-Chloro-3-Methylphenol	170 U	160 U	130 U	110 U	110 U	140 U	140 U	120 U
2-Methylnaphthalene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Hexachlorocyclopentadiene	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
2,4,6-Trichlorophenol	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
2,4,5-Trichlorophenol	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
2-Chloronaphthalene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
2-Nitroaniline	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
Dimethyl Phthalate	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Acenaphthylene	86 U	81 U	67 U	57 U	57 U	46 J	69 U	59 U
3-Nitroaniline	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
Acenaphthene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
2,4-Dinitrophenol	860 U	810 U	670 U	570 U	570 U	720 U	690 U	590 U
4-Nitrophenol	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
Dibenzofuran	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
2,4-Dinitrotoluene	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
2,6-Dinitrotoluene	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
Diethylphthalate	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
4-Chlorophenyl-phenylether	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Fluorene	86 U	81 U	67 U	57 U	57 U	120	69 U	59 U
4-Nitroaniline	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
4,6-Dinitro-2-Methylphenol	860 U	810 U	670 U	570 U	570 U	720 U	690 U	590 U
N-Nitrosodiphenylamine(1)	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
4-Bromophenyl-phenylether	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Hexachlorobenzene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Pentachlorophenol	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
Phenanthrene	86 U	81 U	67 U	57 U	57 U	1600	69 U	59 U
Anthracene	86 U	81 U	67 U	57 U	57 U	350	69 U	59 U
Di-n-Butylphthalate	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Fluoranthene	86 U	81 U	67 U	57 U	57 U	1200	69 U	59 U
Pyrene	86 U	81 U	67 U	57 U	57 U	1800	69 U	59 U
Butylbenzylphthalate	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
3,3'-Dichlorobenzidine	430 U	400 U	340 U	280 U	290 U	360 U	350 U	300 U
Benzo(a)Anthracene	86 U	81 U	67 U	57 U	57 U	490	69 U	59 U
bis(2-Ethylhexyl)Phthalate	86 U	81 U	67 U	65 M	49 J	130	81	59 U
Chrysene	86 U	81 U	67 U	57 U	57 U	700	69 U	59 U
Di-n-Octyl Phthalate	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Benzo(b)Fluoranthene	86 U	81 U	67 U	57 U	57 U	*	69 U	59 U
Benzo(k)Fluoranthene	86 U	81 U	67 U	57 U	57 U	1000	69 U	59 U
Benzo(a)Pyrene	86 U	81 U	67 U	57 U	57 U	600	69 U	59 U
Indeno(1,2,3-cd)Pyrene	86 U	81 U	67 U	57 U	57 U	550	69 U	59 U
Dibenz(a,h)Anthracene	86 U	81 U	67 U	57 U	57 U	72 U	69 U	59 U
Benzo(ghi)Perylene	86 U	81 U	67 U	57 U	57 U	420	69 U	59 U

TABLE 1 (Continued)

Sample No.:	BN-G1-5.0	BN-G1-7.5	BN-G1-10.0	BN-G1-15.0	BN-G1-20.0	BN-G2-2.5	BN-G2-5.0	BN-G2-7.5
Lab ID:	8610 B	8610 C	8610 D	8610 E	8610 FR	8610 AQ	8610 AR	8610 AS
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.1 U	2.1 U	2.2 U	5.4 U	7.5 U	2.1 U	2.5 U	6.3 U
Bromomethane	2.1 U	2.1 U	2.2 U	3.3 U	4.5 U	2.1 U	2.5 U	3.8 U
Vinyl Chloride	2.1 U	2.1 U	2.2 U	3.3 U	4.5 U	2.1 U	2.5 U	3.8 U
Chloroethane	2.1 U	2.1 U	2.2 U	3.3 U	4.5 U	2.1 U	2.5 U	3.8 U
Methylene Chloride	3.2 U	3.9 U	3.7 U	3.4 U	5.2 U	4.3 U	6.2 U	3.4 U
Acetone	9.5 U	5.8 U	13 U	17 U	27	24 U	160	15
Carbon Disulfide	1.0 U	1.1 U	1.1 U	2.2 U	3.0 U	0.6 M	4.2	2.5 U
1,1-Dichloroethene	1.0 U	1.1 U	1.1 U	2.2 U	3.0 U	1.1 U	1.3 U	2.5 U
1,1-Dichloroethane	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Trans-1,2-Dichloroethene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Cis-1,2-Dichloroethene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
1,2-Dichloroethane	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
2-Butanone	5.2 U	5.3 U	5.4 U	8.1 U	11	6.6	79	9.5 U
1,1,1-Trichloroethane	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Carbon Tetrachloride	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Vinyl Acetate	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Bromodichloromethane	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Trichlorofluoromethane	2.1 U	2.1 U	2.2 U	1.1 U	1.5 U	2.1 U	2.5 U	1.3 U
1,2-Dichloropropane	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Trans-1,3-Dichloropropene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Trichloroethene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Dibromochloromethane	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
1,1,2-Trichloroethane	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Benzene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
cis-1,3-Dichloropropene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
2-Chloroethylvinylether	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Bromoform	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
4-Methyl-2-Pentanone	5.2 U	5.3 U	7.7	2.2 U	3.0 U	5.3 U	6.3 U	2.5 U
2-Hexanone	5.2 U	5.3 U	3.1 J	4.3 U	6.0 U	5.3 U	6.3 U	5.0 U
Tetrachloroethene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
1,1,2,2-Tetrachloroethane	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Toluene	1.0 U	1.1 U	1.1 U	0.6 J	1.5 U	13	6.3	1.7
Chlorobenzene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Ethylbenzene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Styrene	1.0 U	1.1 U	1.1 U	1.1 U	1.5 U	1.1 U	1.3 U	1.3 U
Total Xylenes	2.1 U	2.1 U	2.2 U	2.2 U	3.0 U	2.1 U	2.5 U	2.5 U
Freon-TF	0.7 M	0.8 M	0.6 M	5.4 U	7.5 U	2.1 U	2.5 U	6.3 U
METALS (mg/kg-dry)								
Arsenic	4.0 U	4.0 U	5.0 U	8.0	7.0 U	4.0 U	7.0	5.0 U
Cadmium	0.1 U	0.2 U	0.2 U	0.3 U	0.3 U	0.1 U	0.3 U	0.2 U
Chromium	6.6	6.5	9.2	8.9	12	6.4	9.0	7.4
Copper	24	20	22	52	43	12	22	16
Nickel	11	9.0	11	17	18	10	12	10
Lead	13	5.0	35	24	19	4.0	18	6.0
Zinc	50	38	57	61	70	30	44	28

TABLE 1 (Continued)

Sample No.:	BN-G1-5.0	BN-G1-7.5	BN-G1-10.0	BN-G1-15.0	BN-G1-20.0	BN-G2-2.5	BN-G2-5.0	BN-G2-7.5
Lab ID:	8610 B	8610 C	8610 D	8610 E	8610 FR	8610 AQ	8610 AR	8610 AS
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	120 U	120 U	120 U	150 U	180 U	120 U	120 U	140 U
bis(2-Chloroethyl)Ether	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
2-Chlorophenol	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
1,3-Dichlorobenzene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
1,4-Dichlorobenzene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Benzyl Alcohol	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
1,2-Dichlorobenzene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
2-Methylphenol	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
bis(2-chloroisopropyl)Ether	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
4-Methylphenol	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
N-Nitroso-Di-n-Propylamine	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Hexachloroethane	120 U	120 U	120 U	150 U	180 U	120 U	120 U	140 U
Nitrobenzene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Isophorone	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
2-Nitrophenol	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
2,4-Dimethylphenol	120 U	120 U	120 U	150 U	180 U	120 U	120 U	140 U
Benzoic Acid	600 U	580 U	620 U	760 U	890 U	590 U	600 U	710 U
bis(2-Chloroethoxy)Methane	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
2,4-Dichlorophenol	180 U	170 U	190 U	230 U	270 U	180 U	180 U	210 U
1,2,4-Trichlorobenzene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Naphthalene	60 U	58 U	62 U	88	89.2 U	59 U	60 U	71 U
4-Chloroaniline	180 U	170 U	190 U	230 U	270 U	180 U	180 U	210 U
Hexachlorobutadiene	120 U	120 U	120 U	150 U	180 U	120 U	120 U	140 U
4-Chloro-3-Methylphenol	120 U	120 U	120 U	150 U	180 U	120 U	120 U	140 U
2-Methylnaphthalene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Hexachlorocyclopentadiene	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
2,4,6-Trichlorophenol	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
2,4,5-Trichlorophenol	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
2-Chloronaphthalene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
2-Nitroaniline	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
Dimethyl Phthalate	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Acenaphthylene	60 U	58 U	62 U	40 J	89.2 U	59 U	60 U	71 U
3-Nitroaniline	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
Acenaphthene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
2,4-Dinitrophenol	600 U	580 U	620 U	760 U	890 U	590 U	600 U	710 U
4-Nitrophenol	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
Dibenzofuran	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
2,4-Dinitrotoluene	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
2,6-Dinitrotoluene	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
Diethylphthalate	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
4-Chlorophenyl-phenylether	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Fluorene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
4-Nitroaniline	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
4,6-Dinitro-2-Methylphenol	600 U	580 U	620 U	760 U	890 U	590 U	600 U	710 U
N-Nitrosodiphenylamine(1)	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
4-Bromophenyl-phenylether	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Hexachlorobenzene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Pentachlorophenol	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
Phenanthrene	36 J	58 U	62 U	140	89.2 U	59 U	51 J	71 U
Anthracene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Di-n-Butylphthalate	60 U	58 U	62 U	76 U	89 U	59 U	60 U	40 J
Fluoranthene	60 U	58 U	62 U	110	89.2 U	59 U	60 U	71 U
Pyrene	60 U	58 U	62 U	180	77 J	59 U	60 U	71 U
Butylbenzylphthalate	60 U	85 U	62 U	76 U	89 U	59 U	60 U	71 U
3,3'-Dichlorobenzidine	300 U	290 U	310 U	380 U	450 U	300 U	300 U	350 U
Benzo(a)Anthracene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
bis(2-Ethylhexyl)Phthalate	60 U	58 U	62 U	76 U	89 U	54 J	43 M	97
Chrysene	60 U	58 U	62 U	50 J	89.2 U	59 U	60 U	71 U
Di-n-Octyl Phthalate	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Benzo(b)Fluoranthene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Benzo(k)Fluoranthene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Benzo(a)Pyrene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Indeno(1,2,3-cd)Pyrene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Dibenz(a,h)Anthracene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U
Benzo(ghi)Perylene	60 U	58 U	62 U	76 U	89 U	59 U	60 U	71 U

TABLE 1 (Continued)

Sample No.:	BN-G2-11.5	BN-G3-2.5	BN-G3-7.5	BN-G3-10.0	BN-G3-15.0	BN-G3-20.0	BN-G4-2.5	BN-G4-5.0
Lab ID:	8610 AU	8610 G	8610 H	8610 I	8610 J	8610 K	8610 W	8610 X
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	6.5 U	2.3 U	2.5 U	2.7 U	2.6 U	2.3 U	2.2 U	2.8 U
Bromomethane	3.9 U	2.3 U	2.5 U	2.7 U	2.6 U	2.3 U	2.2 U	2.8 U
Vinyl Chloride	3.9 U	2.3 U	2.5 U	2.7 U	2.6 U	2.3 U	2.2 U	4.2 U
Chloroethane	3.9 U	2.3 U	2.5 U	2.7 U	2.6 U	2.3 U	2.2 U	4.2 U
Methylene Chloride	2.6 U	3.9 U	5.1 U	4.2 U	4.0 U	3.3 U	3.7 U	9.5 U
Acetone	16	50 U	50 U	29 U	25 U	17 U	33 U	200
Carbon Disulfide	2.6 U	1.5	1.5	1.4 U	1.9	3.9	1.1 U	2.8 U
1,1-Dichloroethene	2.6 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
1,1-Dichloroethane	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
Trans-1,2-Dichloroethene	1.3 U	0.8 J	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	NA U
Cis-1,2-Dichloroethene	1.3 U	1.4	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	NA U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	1.4 U
Chloroform	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
1,2-Dichloroethane	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	2.8 U
2-Butanone	9.0 J	15	14	6.9	5.1 J	3.0 J	15	94
1,1,1-Trichloroethane	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
Carbon Tetrachloride	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	2.8 U
Vinyl Acetate	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	2.8 U
Bromodichloromethane	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
Trichlorofluoromethane	1.3 U	2.3 U	2.5 U	2.7 U	2.6 U	2.3 U	2.2 U	2.8 U
1,2-Dichloropropane	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
Trans-1,3-Dichloropropene	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	2.8 U
Trichloroethene	1.3 U	0.8 M	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
Dibromochloromethane	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
1,1,2-Trichloroethane	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
Benzene	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
cis-1,3-Dichloropropene	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
2-Chloroethylvinylether	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	2.8 U
Bromoform	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	4.2 U
4-Methyl-2-Pentanone	2.6 U	5.7 U	6.4 U	6.8 U	6.4 U	5.7 U	5.5 U	2.8 U
2-Hexanone	5.2 U	5.7 U	6.4 U	6.8 U	6.4 U	5.7 U	5.5 U	2.8 U
Tetrachloroethene	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
1,1,2,2-Tetrachloroethane	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	2.8 U
Toluene	1.3 U	4.2	3.3	0.8 M	1.3 U	1.1 U	13	18
Chlorobenzene	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
Ethylbenzene	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	0.9 M
Styrene	1.3 U	1.1 U	1.3 U	1.4 U	1.3 U	1.1 U	1.1 U	1.4 U
Total Xylenes	2.6 U	2.3 U	2.5 U	2.7 U	2.6 U	2.3 U	3.6 M	1.9 M
Freon-TF	6.5 U	2.3 U	2.5 U	2.7 U	2.6 U	2.3 U	2.2 U	1.0 M
METALS (mg/kg-dry)								
Arsenic	6.0 U	7.0	5.0 U	5.0 U	5.0 U	6.0 U	4.0 U	5.0
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	9.6	8.8	6.3	11	7.6	10	6.6	9.5
Copper	19	21	16	22	13	14	12	24
Nickel	12	15	9.0	12	9.0	10	11	15
Lead	7.0	8.0	3.0	6.0	3.0 U	3.0 U	5.0	17
Zinc	32	42	22	32	22	25	30	48

TABLE 1 (Continued)

Sample No.:	BN-G2-11.5	BN-G3-2.5	BN-G3-7.5	BN-G3-10.0	BN-G3-15.0	BN-G3-20.0	BN-G4-2.5	BN-G4-5.0
Lab ID:	8610 AU	8610 G	8610 H	8610 I	8610 J	8610 K	8610 W	8610 X
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	140 U	140 U	140 U	140 U	140 U	130 U	130 U	150 U
bis(2-Chloroethyl)Ether	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
2-Chlorophenol	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
1,3-Dichlorobenzene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
1,4-Dichlorobenzene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Benzyl Alcohol	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
1,2-Dichlorobenzene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
2-Methylphenol	71 U	67 J	72 U	72 U	70 U	67 U	63 U	74 U
bis(2-chloroisopropyl)Ether	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
4-Methylphenol	71 U	180	72 U	72 U	70 U	67 U	63 U	150
N-Nitroso-Di-n-Propylamine	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Hexachloroethane	140 U	140 U	140 U	140 U	140 U	130 U	130 U	150 U
Nitrobenzene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Isophorone	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
2-Nitrophenol	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
2,4-Dimethylphenol	140 U	140 U	140 U	140 U	140 U	130 U	130 U	150 U
Benzoic Acid	710 U	680 U	720 U	720 U	700 U	670 U	630 U	220
bis(2-Chloroethoxy)Methane	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
2,4-Dichlorophenol	210 U	200 U	220 U	220 U	210 U	200 U	190 U	220 U
1,2,4-Trichlorobenzene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Naphthalene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	240
4-Chloroaniline	210 U	200 U	220 U	220 U	210 U	200 U	190 U	220 U
Hexachlorobutadiene	140 U	140 U	140 U	140 U	140 U	130 U	130 U	150 U
4-Chloro-3-Methylphenol	140 U	140 U	140 U	140 U	140 U	130 U	130 U	150 U
2-Methylnaphthalene	71 U	68 U	72 U	72 U	70 U	67 U	32 M	48 J
Hexachlorocyclopentadiene	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
2,4,6-Trichlorophenol	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
2,4,5-Trichlorophenol	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
2-Chloronaphthalene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
2-Nitroaniline	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
Dimethyl Phthalate	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Acenaphthylene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	46 J
3-Nitroaniline	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
Acenaphthene	71 U	68 U	72 U	72 U	70 U	67 U	130	41 J
2,4-Dinitrophenol	710 U	680 U	720 U	720 U	700 U	670 U	630 U	730 U
4-Nitrophenol	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
Dibenzofuran	71 U	68 U	72 U	72 U	70 U	67 U	75	57 J
2,4-Dinitrotoluene	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
2,6-Dinitrotoluene	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
Diethylphthalate	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
4-Chlorophenyl-phenylether	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Fluorene	71 U	68 U	72 U	72 U	70 U	67 U	140	46 J
4-Nitroaniline	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
4,6-Dinitro-2-Methylphenol	710 U	680 U	720 U	720 U	700 U	670 U	630 U	730 U
N-Nitrosodiphenylamine(1)	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
4-Bromophenyl-phenylether	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Hexachlorobenzene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Pentachlorophenol	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
Phenanthrene	71 U	68 U	72 U	72 U	70 U	67 U	460	390
Anthracene	71 U	68 U	72 U	72 U	70 U	67 U	110	59 J
Di-n-Butylphthalate	42 J	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Fluoranthene	71 U	68 U	72 U	72 U	70 U	67 U	250	270
Pyrene	71 U	68 U	72 U	72 U	70 U	67 U	220	200
Butylbenzylphthalate	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
3,3'-Dichlorobenzidine	350 U	340 U	360 U	360 U	350 U	340 U	310 U	370 U
Benzo(a)Anthracene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
bis(2-Ethylhexyl)Phthalate	100	68 U	72 U	72 U	70 U	52 J	63 U	74 U
Chrysene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	63 J
Di-n-Octyl Phthalate	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Benzo(b)Fluoranthene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	150 UJ
Benzo(k)Fluoranthene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Benzo(a)Pyrene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Indeno(1,2,3-cd)Pyrene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Dibenz(a,h)Anthracene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	74 U
Benzo(ghi)Perylene	71 U	68 U	72 U	72 U	70 U	67 U	63 U	150 UJ

TABLE 1 (Continued)

Sample No.:	BN-G4-7.5	BN-G4-10	BN-G5-2.5	BN-G5-5.0	BN-G5-7.5	BN-G5-11.5	MW-G5-13.0	MW-G5-20.0
Lab ID:	8610 Y	8610 Z	8610 R	8610 S	8610 T	8610 V	8618 A	8618 B
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.3 U	2.6 U	2.2 U	6.3 U	5.9 U	7200 U	770000 U	770 U
Bromomethane	2.3 U	2.6 U	2.2 U	3.8 U	3.6 U	4300 U	460000 U	460 U
Vinyl Chloride	2.3 U	2.6 U	2.2 U	3.8 U	3.6 U	4300 U	460000 U	460 U
Chloroethane	2.3 U	2.6 U	2.2 U	3.8 U	3.6 U	4300 U	460000 U	460 U
Methylene Chloride	3.4 U	3.3 U	3.5 U	8.3 U	4.2 U	2000 J	330000 J	240 J
Acetone	82	39 U	52	220	120	4200 J	770000 U	770 U
Carbon Disulfide	0.7 J	1.3 U	2.6	1.6 J	2.4 U	2900 U	310000 U	310 U
1,1-Dichloroethene	1.2 U	1.3 U	1.1 U	2.5 U	2.4 U	2900 U	310000 U	310 U
1,1-Dichloroethane	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Trans-1,2-Dichloroethene	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Cis-1,2-Dichloroethene	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
1,2-Dichloroethane	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
2-Butanone	29	14	15	66	34	11000 U	1200000 U	1200 U
1,1,1-Trichloroethane	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Carbon Tetrachloride	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Vinyl Acetate	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Bromodichloromethane	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Trichlorofluoromethane	2.3 U	2.6 U	2.2 U	1.3 U	1.2 U	1400 U	150000 U	150 U
1,2-Dichloropropane	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Trans-1,3-Dichloropropene	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Trichloroethene	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Dibromochloromethane	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
1,1,2-Trichloroethane	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Benzene	1.2 U	3.6	1.1 U	0.7 M	1.2 U	1400 U	150000 U	150 U
cis-1,3-Dichloropropene	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
2-Chloroethylvinylether	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Bromoform	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
4-Methyl-2-Pentanone	5.9 U	6.4 U	5.6 U	2.5 U	2.4 U	2900 U	310000 U	310 U
2-Hexanone	5.9 U	6.4 U	5.6 U	5.1 U	4.7 U	5800 U	620000 U	610 U
Tetrachloroethene	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
1,1,2,2-Tetrachloroethane	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Toluene	3.0	0.9 J	36	48	14	2900	5400000	26000
Chlorobenzene	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Ethylbenzene	1.2 U	9.0	1.1 U	2.3	1.2	1900	150000 U	150 U
Styrene	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U	1400 U	150000 U	150 U
Total Xylenes	1.4 M	21	2.3 M	6.0	3.0	2100	310000 U	310 U
Freon-TF	2.3 U	2.6 U	2.2 U	6.3 U	5.9 U	7200 U	770000 U	770 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	6.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	8.2	11	6.2	8.4	8.0	5.2	10	8.5
Copper	19	23	30	21	17	10	11	11
Nickel	12	15	11	13	11	8.0	8.0	8.0
Lead	6.0	10	4.0	12	4.0	3.0	4.0	3.0
Zinc	30	34	31	39	26	19	20	19

TABLE 1 (Continued)

Sample No.:	BN-G4-7.5	BN-G4-10.0	BN-G5-2.5	BN-G5-5.0	BN-G5-7.5	BN-G5-11.5	MW-G5-13.0	MW-G5-20.0
Lab ID:	8610 Y	8610 Z	8610 R	8610 S	8610 T	8610 V	8618 A	8618 B
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	140 U	150 U	120 U	140 U	130 U	120 UJ	1200 UJ	140 U
bis(2-Chloroethyl)Ether	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
2-Chlorophenol	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
1,3-Dichlorobenzene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
1,4-Dichlorobenzene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Benzyl Alcohol	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
1,2-Dichlorobenzene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
2-Methylphenol	69 U	73 U	60 U	72 U	65 U	320 J	580 UJ	63 M
bis(2-chloroisopropyl)Ether	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
4-Methylphenol	69 U	73 U	60 U	72 U	65 U	360 J	580 UJ	81 M
N-Nitroso-Di-n-Propylamine	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Hexachloroethane	140 U	150 U	120 U	140 U	130 U	120 UJ	1200 UJ	140 U
Nitrobenzene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Isophorone	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
2-Nitrophenol	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
2,4-Dimethylphenol	140 U	150 U	120 U	140 U	130 U	120 UJ	1200 UJ	140 U
Benzoic Acid	690 U	730 U	600 U	110 J	650 U	600 UJ	5800 UJ	710 U
bis(2-Chloroethoxy)Methane	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
2,4-Dichlorophenol	210 U	220 U	180 U	210 U	190 U	180 UJ	1800 UJ	210 U
1,2,4-Trichlorobenzene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Naphthalene	69 U	73 U	60 U	80	65 U	60 UJ	580 UJ	71 U
4-Chloroaniline	210 U	220 U	180 U	210 U	190 U	180 UJ	1800 UJ	210 U
Hexachlorobutadiene	140 U	150 U	120 U	140 U	130 U	120 UJ	1200 UJ	140 U
4-Chloro-3-Methylphenol	140 U	150 U	120 U	140 U	130 U	120 UJ	1200 UJ	140 U
2-Methylnaphthalene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Hexachlorocyclopentadiene	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
2,4,6-Trichlorophenol	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
2,4,5-Trichlorophenol	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
2-Chloronaphthalene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
2-Nitroaniline	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
Dimethyl Phthalate	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Acenaphthylene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
3-Nitroaniline	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
Acenaphthene	71	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
2,4-Dinitrophenol	690 U	730 U	600 U	720 U	650 U	600 UJ	5800 UJ	710 U
4-Nitrophenol	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
Dibenzofuran	48 J	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
2,4-Dinitrotoluene	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
2,6-Dinitrotoluene	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
Diethylphthalate	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
4-Chlorophenyl-phenylether	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Fluorene	85	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
4-Nitroaniline	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
4,6-Dinitro-2-Methylphenol	690 U	730 U	600 U	720 U	650 U	600 UJ	5800 UJ	710 U
N-Nitrosodiphenylamine(1)	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
4-Bromophenyl-phenylether	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Hexachlorobenzene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Pentachlorophenol	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
Phenanthrene	380	97	60 U	100	65 U	60 UJ	580 UJ	71 U
Anthracene	94	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Di-n-Butylphthalate	69 U	73 U	38 J	72 U	65 U	60 UJ	580 UJ	71 U
Fluoranthene	200	73 U	60 U	63 J	65 U	170 J	580 UJ	71 U
Pyrene	170	73 U	60 U	95	65 U	60 UJ	580 UJ	71 U
Butylbenzylphthalate	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
3,3'-Dichlorobenzidine	350 U	370 U	300 U	360 U	320 U	300 UJ	2900 UJ	360 U
Benzo(a)Anthracene	51 J	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
bis(2-Ethylhexyl)Phthalate	69 U	59 J	83	72 U	65 U	1300 J	3000 J	71 U
Chrysene	58 J	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Di-n-Octyl Phthalate	69 U	73 U	60 U	72 U	65 U	1500 J	2800 J	71 U
Benzo(b)Fluoranthene	69 U	73 U	60 U	72 U	65 U	120 UJ	580 UJ	71 U
Benzo(k)Fluoranthene	69 U	73 U	60 U	72 U	65 U	120 UJ	580 UJ	71 U
Benzo(a)Pyrene	69 U	73 U	60 U	72 U	65 U	60 UJ	580 UJ	71 U
Indeno(1,2,3-cd)Pyrene	69 U	73 U	60 U	72 U	65 U	120 UJ	580 UJ	71 U
Dibenz(a,h)Anthracene	69 U	73 U	60 U	72 U	65 U	120 UJ	580 UJ	71 U
Benzo(ghi)Perylene	69 U	73 U	60 U	72 U	65 U	120 UJ	580 UJ	71 U

TABLE 1 (Continued)

Sample No.:	BN-G6-2.5	BN-G6-5.0	BN-G6-7.5	BN-G6-13.0	BN-G7-2.5	BN-G7-5.0	BN-G7-7.5	BN-G7-12.5
Lab ID:	8610 AA	8610 AB	8610 AC	8610 AF	8610 AGRE	8610 AH	8610 AI	8610 AK
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.1 U	2.2 U	2.2 U	2.4 U	2.2 U	2.1 U	2.4 U	2.4 U
Bromomethane	2.1 U	2.2 U	2.2 U	2.4 U	2.2 U	2.1 U	2.4 U	2.4 U
Vinyl Chloride	2.1 U	2.2 U	2.2 U	2.4 U	2.2 U	2.1 U	2.4 U	2.4 U
Chloroethane	2.1 U	2.2 U	2.2 U	2.4 U	2.2 U	2.1 U	2.4 U	2.4 U
Methylene Chloride	0.6 MU	0.8 MU	0.9 UJ	3.9 U	3.0 U	3.1 U	3.4 U	3.4 U
Acetone	140	130	130	220	9.8 U	14 U	7.2 U	5.8 UJ
Carbon Disulfide	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
1,1-Dichloroethene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
1,1-Dichloroethane	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Trans-1,2-Dichloroethene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Cis-1,2-Dichloroethene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.1 U	0.7 M	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
1,2-Dichloroethane	1.1 U	1.1 U	1.1 U	1.2 U	0.8 J	1.0 U	1.2 U	1.2 U
2-Butanone	5.6	25	16	10	5.4 U	5.2 U	6.0 U	5.9 U
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Carbon Tetrachloride	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Vinyl Acetate	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Bromodichloromethane	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Trichlorofluoromethane	2.1 U	2.2 U	2.2 U	2.4 U	2.2 U	2.1 U	2.4 U	2.4 U
1,2-Dichloropropane	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Trans-1,3-Dichloropropene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Dibromochloromethane	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
1,1,2-Trichloroethane	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Benzene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
cis-1,3-Dichloropropene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
2-Chloroethylvinylether	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Bromoform	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
4-Methyl-2-Pentanone	5.3 U	5.4 U	5.6 U	5.9 U	5.4 U	5.2 U	6.0 U	5.9 U
2-Hexanone	5.3 U	5.4 U	5.6 U	5.9 U	5.4 U	5.2 U	6.0 U	5.9 U
Tetrachloroethene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
1,1,2,2-Tetrachloroethane	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Toluene	1.1 U	14	16	55	13	1.6	1.2 U	1.2 U
Chlorobenzene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Ethylbenzene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Styrene	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U
Total Xylenes	1.0 J	1.5 M	1.8 M	2.4 U	3.7 M	1.3 M	2.4 U	2.4 U
Freon-TF	2.1 U	2.2 U	2.2 U	2.4 U	2.2 U	2.1 U	2.4 U	2.4 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	5.0 U	6.0 U	5.0 U	4.0 U	5.0 U	4.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	7.5	7.3	7.0	4.1	10	9.6	7.5	6.0
Copper	18	14	15	9.2	50	28	20	13
Nickel	11	9.0	10	8.0	14	12	9.0	8.0
Lead	20	7.0	9.0	3.0	27	18	7.0	4.0
Zinc	34	28	26	22	75	54	31	25

TABLE 1 (Continued)

Sample No.:	BN-G6-2.5	BN-G6-5.0	BN-G6-7.5	BN-G6-13.0	BN-G7-2.5	BN-G7-5.0	BN-G7-7.5	BN-G7-12.5
Lab ID:	8610 AA	8610 AB	8610 AC	8610 AF	8610 AGRE	8610 AH	8610 AI	8610 AK
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	120 U	130 U	120 U	140 U	120 U	330	130 U	160 U
bis(2-Chloroethyl)Ether	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
2-Chlorophenol	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
1,3-Dichlorobenzene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
1,4-Dichlorobenzene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Benzyl Alcohol	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
1,2-Dichlorobenzene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
2-Methylphenol	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
bis(2-chloroisopropyl)Ether	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
4-Methylphenol	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
N-Nitroso-Di-n-Propylamine	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Hexachloroethane	120 U	130 U	120 U	140 U	120 U	120 U	130 U	160 U
Nitrobenzene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Isophorone	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
2-Nitrophenol	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
2,4-Dimethylphenol	120 U	130 U	120 U	140 U	120 U	120 U	130 U	160 U
Benzoic Acid	620 U	630 U	620 U	680 U	610 U	620 U	640 U	800 U
bis(2-Chloroethoxy)Methane	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
2,4-Dichlorophenol	190 U	190 U	190 U	200 U	180 U	180 U	190 U	240 U
1,2,4-Trichlorobenzene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Naphthalene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
4-Chloroaniline	190 U	190 U	190 U	200 U	180 U	180 U	190 U	240 U
Hexachlorobutadiene	120 U	130 U	120 U	140 U	120 U	120 U	130 U	160 U
4-Chloro-3-Methylphenol	120 U	130 U	120 U	140 U	120 U	120 U	130 U	160 U
2-Methylnaphthalene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Hexachlorocyclopentadiene	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
2,4,6-Trichlorophenol	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
2,4,5-Trichlorophenol	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
2-Chloronaphthalene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
2-Nitroaniline	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
Dimethyl Phthalate	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Acenaphthylene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
3-Nitroaniline	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
Acenaphthene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
2,4-Dinitrophenol	620 U	630 U	620 U	680 U	610 U	620 U	640 U	800 U
4-Nitrophenol	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
Dibenzofuran	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
2,4-Dinitrotoluene	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
2,6-Dinitrotoluene	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
Diethylphthalate	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
4-Chlorophenyl-phenylether	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Fluorene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
4-Nitroaniline	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
4,6-Dinitro-2-Methylphenol	620 U	630 U	620 U	680 U	610 U	620 U	640 U	800 U
N-Nitrosodiphenylamine(1)	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
4-Bromophenyl-phenylether	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Hexachlorobenzene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Pentachlorophenol	310 U	320 U	310 U	340 U	350	150 M	320 U	400 U
Phenanthrene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Anthracene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Di-n-Butylphthalate	62 U	63 U	38 J	40 J	42 J	62 U	34 J	80 U
Fluoranthene	62 U	63 U	62 U	49 J	61 U	62 U	64 U	80 U
Pyrene	62 U	63 U	62 U	60 J	61 U	62 U	64 U	80 U
Butylbenzylphthalate	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
3,3'-Dichlorobenzidine	310 U	320 U	310 U	340 U	310 U	310 U	320 U	400 U
Benzo(a)Anthracene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
bis(2-Ethylhexyl)Phthalate	110	91	140	300	120	77	85	110
Chrysene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Di-n-Octyl Phthalate	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Benzo(b)Fluoranthene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Benzo(k)Fluoranthene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Benzo(a)Pyrene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Indeno(1,2,3-cd)Pyrene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Dibenz(a,h)Anthracene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
Benzo(ghi)Perylene	62 U	63 U	62 U	68 U	61 U	62 U	64 U	80 U
								U

TABLE 1 (Continued)

Analyte			(Dup of G8-2.5)			(Dup of G8-5.0)			(Dup of G8-7.5)			(Dup of G8-11.5)	
Sample No.:	BN-G8-2.5		BN-G8-25		BN-G8-5.0	BN-G8-50		BN-G8-7.5	BN-G8-75		BN-G8-11.5	BN-G8-115	
Lab ID:	8618 R		8618 V		8618 S	8618 W		8618 T	8618 X		8618 U	8618 Y	
VOLATILE ORGANICS (ug/kg)													
Chloromethane	2.3	U	2.2	U	2.1	2.1	U	2.5	2.4	U	2.0	2.1	U
Bromomethane	2.3	U	2.2	U	2.1	2.1	U	2.5	2.4	U	2.0	2.1	U
Vinyl Chloride	2.3	U	3.3	U	2.1	3.2	U	2.5	3.7	U	3.0	3.2	U
Chloroethane	2.3	U	3.3	U	2.1	3.2	U	2.5	3.7	U	3.0	3.2	U
Methylene Chloride	2.3	U	3.2	U	2.1	2.1	U	2.3	2.3	UJ	1.9	4.0	U
Acetone	12	U	13	M	6.7	11	M	8.5	6.1	U	180	91	
Carbon Disulfide	1.1	U	2.2	U	1.1	2.1	U	1.2	2.4	U	2.0	2.1	U
1,1-Dichloroethene	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
1,1-Dichloroethane	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Trans-1,2-Dichloroethene	1.1	U	NA		1.1	NA		1.2	NA		NA	NA	
Cis-1,2-Dichloroethene	1.1	U	NA		1.1	NA		1.2	NA		NA	NA	
1,2-Dichloroethene (Total)	NA		1.1	U	NA	1.1	U	NA	1.2	U	1.0	1.1	U
Chloroform	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
1,2-Dichloroethane	1.1	U	2.2	U	1.1	2.1	U	1.2	2.4	U	2.0	2.1	U
2-Butanone	5.7	U	8.2	U	5.4	6.6	M	6.2	9.1	U	11	22	
1,1,1-Trichloroethane	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Carbon Tetrachloride	1.1	U	2.2	U	1.1	2.1	U	1.2	2.4	U	2.0	2.1	U
Vinyl Acetate	1.1	U	2.2	U	1.1	2.1	U	1.2	2.4	U	2.0	2.1	U
Bromodichloromethane	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Trichlorofluoromethane	2.3	U	2.2	U	2.1	2.1	U	2.5	2.4	U	2.0	2.1	U
1,2-Dichloropropane	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Trans-1,3-Dichloropropene	1.1	U	2.2	U	1.1	2.1	U	1.2	2.4	U	2.0	2.1	U
Trichloroethene	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Dibromochloromethane	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
1,1,2-Trichloroethane	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Benzene	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
cis-1,3-Dichloropropene	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
2-Chloroethylvinylether	1.1	U	2.2	U	1.1	2.1	U	1.2	2.4	U	2.0	2.1	U
Bromoform	1.1	U	3.3	U	1.1	3.2	U	1.2	3.7	U	3.0	3.2	U
4-Methyl-2-Pentanone	5.7	U	2.2	U	5.4	2.1	U	6.2	2.4	U	2.0	2.1	U
2-Hexanone	5.7	U	2.2	U	5.4	2.1	U	6.2	2.4	U	2.0	2.1	U
Tetrachloroethene	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
1,1,2,2-Tetrachloroethane	1.1	U	2.2	U	1.1	2.1	U	1.2	2.4	U	2.0	2.1	U
Toluene	15		7.3		12	1.4		3.1	1.2	U	3.2	14	
Chlorobenzene	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Ethylbenzene	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Styrene	1.1	U	1.1	U	1.1	1.1	U	1.2	1.2	U	1.0	1.1	U
Total Xylenes	1.4	M	2.2	U	2.1	2.1	U	2.5	2.4	U	2.0	1.9	M
Freon-TF	2.3	U	2.2	U	2.1	2.1	U	2.5	2.4	U	2.0	2.1	U
METALS (mg/kg-dry)													
Arsenic	5.0	U	4.0	U	5.0	4.0	U	6.0	5.0	U	5.0	5.0	U
Cadmium	0.2	U	0.2	U	0.2	0.2	U	0.2	0.2	U	0.2	0.2	U
Chromium	12		8.6		12	7.6		12	7.9		3.9	4.2	
Copper	14		16		12	12		19	19		12	12	
Nickel	10		10		9.0	8.0		10	10		8.0	9.0	
Lead	7.0		6.0		4.0	5.0		6.0	6.0		4.0	4.0	
Zinc	25		26		23	23		28	29		21	22	

TABLE 1 (Continued)

Analyte															
			(Dup of G8-2.5)				(Dup of G8-5.0)				(Dup of G8-7.5)				(Dup of G8-11.5)
Sample No.:	BN-G8-2.5		BN-G8-25		BN-G8-5.0		BN-G8-50		BN-G8-7.5		BN-G8-75		BN-G8-11.5		BN-G8-115
Lab ID:	8618 R		8618 V		8618 S		8618 W		8618 T		8618 X		8618 U		8618 Y
SEMIVOLATILE ORGANICS (ug/kg)															
Phenol	130	U	140	U	130	U	130	U	140	U	140	U	130	U	130 U
bis(2-Chloroethyl)Ether	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
2-Chlorophenol	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
1,3-Dichlorobenzene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
1,4-Dichlorobenzene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Benzyl Alcohol	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
1,2-Dichlorobenzene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
2-Methylphenol	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
bis(2-chloroisopropyl)Ether	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
4-Methylphenol	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
N-Nitroso-Di-n-Propylamine	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Hexachloroethane	130	U	140	U	130	U	130	U	140	U	140	U	130	U	130 U
Nitrobenzene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Isophorone	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
2-Nitrophenol	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
2,4-Dimethylphenol	130	U	140	U	130	U	130	U	140	U	140	U	130	U	130 U
Benzoic Acid	670	U	690	U	670	U	660	U	720	U	710	U	640	U	660 U
bis(2-Chloroethoxy)Methane	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
2,4-Dichlorophenol	200	U	210	U	200	U	200	U	220	U	210	U	190	U	200 U
1,2,4-Trichlorobenzene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Naphthalene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
4-Chloroaniline	200	U	210	U	200	U	200	U	220	U	210	U	190	U	200 U
Hexachlorobutadiene	130	U	140	U	130	U	130	U	140	U	140	U	130	U	130 U
4-Chloro-3-Methylphenol	130	U	140	U	130	U	130	U	140	U	140	U	130	U	130 U
2-Methylnaphthalene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Hexachlorocyclopentadiene	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
2,4,6-Trichlorophenol	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
2,4,5-Trichlorophenol	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
2-Chloronaphthalene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
2-Nitroaniline	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
Dimethyl Phthalate	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Acenaphthylene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
3-Nitroaniline	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
Acenaphthene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
2,4-Dinitrophenol	670	U	690	U	670	U	660	U	720	U	710	U	640	U	660 U
4-Nitrophenol	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
Dibenzofuran	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
2,4-Dinitrotoluene	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
2,6-Dinitrotoluene	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
Diethylphthalate	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
4-Chlorophenyl-phenylether	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Fluorene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
4-Nitroaniline	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
4,6-Dinitro-2-Methylphenol	670	U	690	U	670	U	660	U	720	U	710	U	640	U	660 U
N-Nitrosodiphenylamine(1)	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
4-Bromophenyl-phenylether	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Hexachlorobenzene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Pentachlorophenol	110	M	350	U	340	U	330	U	360	U	360	U	320	U	330 U
Phenanthrene	700		69	U	67	U	66	U	72	U	72	U	64	U	66 U
Anthracene	140		69	U	67	U	66	U	72	U	72	U	64	U	66 U
Di-n-Butylphthalate	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Fluoranthene	760		69	U	67	U	66	U	72	U	72	U	64	U	66 U
Pyrene	700		69	U	67	U	66	U	72	U	72	U	64	U	66 U
Butylbenzylphthalate	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
3,3'-Dichlorobenzidine	340	U	350	U	340	U	330	U	360	U	360	U	320	U	330 U
Benzo(a)Anthracene	140		69	U	67	U	66	U	72	U	72	U	64	U	66 U
bis(2-Ethylhexyl)Phthalate	150	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Chrysene	360		69	U	67	U	66	U	72	U	72	U	64	U	66 U
Di-n-Octyl Phthalate	4000		69	U	67	U	66	U	72	U	72	U	250		280
Benzo(b)Fluoranthene	*		69	U	67	U	66	U	72	U	72	U	64	U	66 U
Benzo(k)Fluoranthene	310		69	U	67	U	66	U	72	U	72	U	64	U	66 U
Benzo(a)Pyrene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Indeno(1,2,3-cd)Pyrene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Dibenz(a,h)Anthracene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U
Benzo(ghi)Perylene	68	U	69	U	67	U	66	U	72	U	72	U	64	U	66 U

TABLE 1 (Continued)

Sample No.:	BN-G9-2.5	BN-G9-5.0	BN-G9-7.5	BN-G9-11.5	BN-G10-2.5	BN-G10-4.8	BN-G10-7.5	BN-G10-10.0
Lab ID:	8618 Z	8618 AA	8618 AB	8618 AD	8618 N	8618 O	8618 P	8618 Q
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.1 U	2.3 U	2.1 U	2.2 U	5.9 U	5.5 U	5.9 U	2.5 U
Bromomethane	2.1 U	2.3 U	2.1 U	2.2 U	3.6 U	3.3 U	3.6 U	2.5 U
Vinyl Chloride	3.2 U	2.3 U	2.1 U	2.2 U	3.6 U	3.3 U	3.6 U	2.5 U
Chloroethane	3.2 U	2.3 U	2.1 U	2.2 U	3.6 U	3.3 U	3.6 U	2.5 U
Methylene Chloride	3.8 U	0.8 MU	1.8 UJ	2.1 UJ	1.9 U	3.0 U	2.6 U	2.4 UJ
Acetone	10 M	11 U	8.7 U	7.7 U	44	17	35	42 U
Carbon Disulfide	2.1 U	1.1 U	1.1 U	0.8 M	2.4 U	2.2 U	2.4 U	1.6
1,1-Dichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	2.4 U	2.2 U	2.4 U	1.3 U
1,1-Dichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Trans-1,2-Dichloroethene	NA	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Cis-1,2-Dichloroethene	NA	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
1,2-Dichloroethene (Total)	1.1 U	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
1,2-Dichloroethane	2.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
2-Butanone	4.5 M	5.7 U	5.3 U	5.4 U	15	8.3 U	8.9 U	8.6
1,1,1-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Carbon Tetrachloride	2.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Vinyl Acetate	2.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Bromodichloromethane	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Trichlorofluoromethane	2.1 U	2.3 U	2.1 U	2.2 U	1.2 U	1.1 U	1.2 U	2.5 U
1,2-Dichloropropane	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Trans-1,3-Dichloropropene	2.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Trichloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Dibromochloromethane	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
1,1,2-Trichloroethane	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Benzene	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
cis-1,3-Dichloropropene	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
2-Chloroethylvinylether	2.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Bromoform	3.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
4-Methyl-2-Pentanone	2.1 U	5.7 U	5.3 U	5.4 U	2.4 U	2.2 U	2.4 U	6.3 U
2-Hexanone	2.1 U	5.7 U	5.3 U	5.4 U	4.8 U	4.4 U	4.7 U	6.3 U
Tetrachloroethene	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
1,1,2,2-Tetrachloroethane	2.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Toluene	5.1	8.8	11	6.7	2.4 UJ	4.8	2.7	8.5
Chlorobenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Ethylbenzene	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Styrene	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	1.3 U
Total Xylenes	2.1 U	2.3 U	2.1 U	2.2 U	2.4 U	2.2 U	2.4 U	2.5 U
Freon-TF	2.1 U	2.3 U	2.1 U	2.2 U	5.9 U	5.5 U	5.9 U	2.5 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	6.0 U	6.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chromium	7.4	6.8	6.1	5.2	15	12	8.7	13
Copper	14	11	10	8.5	25	15	9.4	22
Nickel	9.0	8.0	7.0	7.0	12	10	8.0	10
Lead	7.0	5.0	4.0	4.0	10	6.0	4.0	6.0
Zinc	25	20	21	17	43	25	19	27

TABLE 1 (Continued)

Sample No.:	BN-G9-2.5	BN-G9-5.0	BN-G9-7.5	BN-G9-11.5	BN-G10-2.5	BN-G10-4.8	BN-G10-7.5	BN-G10-10.0
Lab ID:	8618 Z	8618 AA	8618 AB	8618 AD	8618 N	8618 O	8618 P	8618 Q
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	130 U	130 U	120 U	130 U	140 U	140 U	140 U	130 U
bis(2-Chloroethyl)Ether	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
2-Chlorophenol	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
1,3-Dichlorobenzene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
1,4-Dichlorobenzene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Benzyl Alcohol	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
1,2-Dichlorobenzene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
2-Methylphenol	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
bis(2-chloroisopropyl)Ether	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
4-Methylphenol	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
N-Nitroso-Di-n-Propylamine	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Hexachloroethane	130 U	130 U	120 U	130 U	140 U	140 U	140 U	130 U
Nitrobenzene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Isophorone	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
2-Nitrophenol	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
2,4-Dimethylphenol	130 U	130 U	120 U	130 U	140 U	140 U	140 U	130 U
Benzoic Acid	630 U	640 U	610 U	650 U	710 U	690 U	690 U	670 U
bis(2-Chloroethoxy)Methane	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
2,4-Dichlorophenol	190 U	190 U	180 U	200 U	210 U	210 U	210 U	200 U
1,2,4-Trichlorobenzene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Naphthalene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
4-Chloroaniline	190 U	190 U	180 U	200 U	210 U	210 U	210 U	200 U
Hexachlorobutadiene	130 U	130 U	120 U	130 U	140 U	140 U	140 U	130 U
4-Chloro-3-Methylphenol	130 U	130 U	120 U	130 U	140 U	140 U	140 U	130 U
2-Methylnaphthalene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Hexachlorocyclopentadiene	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
2,4,6-Trichlorophenol	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
2,4,5-Trichlorophenol	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
2-Chloronaphthalene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
2-Nitroaniline	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
Dimethyl Phthalate	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Acenaphthylene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
3-Nitroaniline	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
Acenaphthene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
2,4-Dinitrophenol	630 U	640 U	610 U	650 U	710 U	690 U	690 U	670 U
4-Nitrophenol	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
Dibenzofuran	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
2,4-Dinitrotoluene	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
2,6-Dinitrotoluene	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
Diethylphthalate	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
4-Chlorophenyl-phenylether	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Fluorene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
4-Nitroaniline	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
4,6-Dinitro-2-Methylphenol	630 U	640 U	610 U	650 U	710 U	690 U	690 U	670 U
N-Nitrosodiphenylamine(1)	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
4-Bromophenyl-phenylether	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Hexachlorobenzene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Pentachlorophenol	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
Phenanthrene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	76
Anthracene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Di-n-Butylphthalate	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Fluoranthene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Pyrene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Butylbenzylphthalate	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
3,3'-Dichlorobenzidine	320 U	320 U	310 U	330 U	360 U	350 U	340 U	330 U
Benzo(a)Anthracene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
bis(2-Ethylhexyl)Phthalate	63 U	64 U	61 U	65 U	71 U	69 U	69 U	110 U
Chrysene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Di-n-Octyl Phthalate	63 U	64 U	61 U	65 U	71 U	69 U	69 U	2600
Benzo(b)Fluoranthene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Benzo(k)Fluoranthene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Benzo(a)Pyrene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Indeno(1,2,3-cd)Pyrene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Dibenz(a,h)Anthracene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U
Benzo(ghi)Perylene	63 U	64 U	61 U	65 U	71 U	69 U	69 U	67 U

TABLE 1 (Continued)

Sample No.:	MW-H1-2.5	MW-H1-5.0	MW-H1-7.5	MW-H1-10.0	(Dup of H1-10.0) MW-H1-100	MW-H1-12.5	MW-H1-20.0	MW-H1-35.0
Lab ID:	8618 C	8618 D	8618 E	8618 FRE	8618 MRE	8618 G	8618 HRE	8618 I
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	780000 U	780000 U	870000 U	660 U	6600 U	740000 U	790 U	4.2 U
Bromomethane	470000 U	470000 U	520000 U	400 U	4000 U	450000 U	470 U	2.5 U
Vinyl Chloride	470000 U	470000 U	520000 U	400 U	4000 U	450000 U	470 U	2.5 U
Chloroethane	470000 U	470000 U	520000 U	400 U	4000 U	450000 U	470 U	2.5 U
Methylene Chloride	220000 J	230000 J	260000 J	220 J	2000 J	280000 J	200 J	2.9 U
Acetone	400000 J	260000 J	420000 M	310 M	2900 M	240000 J	15000	120
Carbon Disulfide	310000 U	310000 U	350000 U	260 U	2600 U	300000 U	320 U	1.7 U
1,1-Dichloroethene	310000 U	310000 U	350000 U	260 U	2600 U	300000 U	320 U	1.7 U
1,1-Dichloroethane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Trans-1,2-Dichloroethene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Cis-1,2-Dichloroethene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
1,2-Dichloroethane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
2-Butanone	1200000 U	1200000 U	1300000 U	1000 U	9900 U	1100000 U	1200 U	6.1
1,1,1-Trichloroethane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Carbon Tetrachloride	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Vinyl Acetate	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Bromodichloromethane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Trichlorofluoromethane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
1,2-Dichloropropane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Trans-1,3-Dichloropropene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Trichloroethene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Dibromochloromethane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
1,1,2-Trichloroethane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Benzene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
cis-1,3-Dichloropropene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
2-Chloroethylvinylether	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Bromoform	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
4-Methyl-2-Pentanone	310000 U	310000 U	350000 U	260 U	2600 U	300000 U	320 U	1.7 U
2-Hexanone	620000 U	620000 U	690000 U	530 U	5300 U	590000 U	630 U	3.3 U
Tetrachloroethene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
1,1,2,2-Tetrachloroethane	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Toluene	28000000	4800000	11000000	3700	210000	11000000	7000	1200
Chlorobenzene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Ethylbenzene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Styrene	160000 U	160000 U	170000 U	130 U	1300 U	150000 U	160 U	0.8 U
Total Xylenes	310 U	310 U	350 U	260 U	2600 U	300 U	320 U	1.7 U
Freon-TF	780 U	780 U	870 U	660 U	6600 U	740 U	790 U	4.2 U
METALS (mg/kg-dry)								
Arsenic	6.0 U	6.0 U	6.0 U	4.0 U	4.0 U	5.0 U	6.0 U	6.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.1 U	0.2 U	0.2 U	0.3 U	0.3 U
Chromium	14	10	15	7.6	8.5	9.2	7.9	8.5
Copper	17	15	18	9.4	9.6	11	8.4	8.9
Nickel	11	8.0	11	7.0	8.0	10	8.0	9.0
Lead	9.0	5.0	7.0	3.0	4.0	3.0	3.0	4.0
Zinc	37	38	40	19	21	22	18	22

TABLE 1 (Continued)

Sample No.:	MW-H1-2.5	MW-H1-5.0	MW-H1-7.5	MW-H1-10.0	(Dup of H1-10.0) MW-H1-100	MW-H1-12.5	MW-H1-20.0	MW-H1-35.0
Lab ID:	8618 C	8618 D	8618 E	8618 FRE	8618 MRE	8618 G	8618 HRE	8618 I
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	130 J	130 J	120 M	49 M	120 U	120 M	450	130 U
bis(2-Chloroethyl)Ether	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
2-Chlorophenol	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
1,3-Dichlorobenzene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
1,4-Dichlorobenzene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Benzyl Alcohol	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
1,2-Dichlorobenzene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
2-Methylphenol	2200	2400	2500	1900	1400	2900	790	68 U
bis(2-chloroisopropyl)Ether	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
4-Methylphenol	510	530	1000	840	680	2300	1100	68 U
N-Nitroso-Di-n-Propylamine	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Hexachloroethane	140 U	130 U	150 U	120 U	120 U	130 U	130 U	130 U
Nitrobenzene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Isophorone	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
2-Nitrophenol	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
2,4-Dimethylphenol	140 U	130 U	150 U	120 U	120 U	130 U	130 U	130 U
Benzoic Acid	340 J	670 U	730 U	610 U	610 U	670 U	650 U	670 U
bis(2-Chloroethoxy)Methane	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
2,4-Dichlorophenol	210 U	200 U	220 U	180 U	180 U	200 U	190 U	200 U
1,2,4-Trichlorobenzene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Naphthalene	73	150	73 U	61 U	61 U	68 U	65 U	68 U
4-Chloroaniline	210 U	200 U	220 U	180 U	180 U	200 U	190 U	200 U
Hexachlorobutadiene	140 U	130 U	150 U	120 U	120 U	130 U	130 U	130 U
4-Chloro-3-Methylphenol	140 U	130 U	150 U	120 U	120 U	130 U	130 U	130 U
2-Methylnaphthalene	52 M	160	73 U	61 U	61 U	68 U	65 U	68 U
Hexachlorocyclopentadiene	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
2,4,6-Trichlorophenol	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
2,4,5-Trichlorophenol	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
2-Chloronaphthalene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
2-Nitroaniline	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
Dimethyl Phthalate	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Acenaphthylene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
3-Nitroaniline	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
Acenaphthene	71 U	250 M	73 U	61 U	61 U	68 U	65 U	68 U
2,4-Dinitrophenol	710 U	670 U	730 U	610 U	610 U	670 U	650 U	670 U
4-Nitrophenol	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
Dibenzofuran	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
2,4-Dinitrotoluene	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
2,6-Dinitrotoluene	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
Diethylphthalate	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
4-Chlorophenyl-phenylether	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Fluorene	71 U	50 M	73 U	61 U	61 U	68 U	65 U	68 U
4-Nitroaniline	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
4,6-Dinitro-2-Methylphenol	710 U	670 U	730 U	610 U	610 U	670 U	650 U	670 U
N-Nitrosodiphenylamine(1)	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
4-Bromophenyl-phenylether	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Hexachlorobenzene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Pentachlorophenol	430	340 U	110 M	310 U	300 U	340 U	320 U	340 U
Phenanthrene	71 U	210	73 U	61 U	61 U	68 U	65 U	68 U
Anthracene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Di-n-Butylphthalate	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Fluoranthene	71 U	76	73 U	61 U	61 U	68 U	65 U	68 U
Pyrene	71 U	58 J	73 U	61 U	61 U	68 U	65 U	68 U
Butylbenzylphthalate	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
3,3'-Dichlorobenzidine	350 U	340 U	370 U	310 U	300 U	340 U	320 U	340 U
Benzo(a)Anthracene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
bis(2-Ethylhexyl)Phthalate	360 U	6300 M	73 M	240	300 U	1300	130 U	69 U
Chrysene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Di-n-Octyl Phthalate	2000	320000 U	330	4700	2800	11000	82 M	68 U
Benzo(b)Fluoranthene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Benzo(k)Fluoranthene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Benzo(a)Pyrene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Indeno(1,2,3-cd)Pyrene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Dibenz(a,h)Anthracene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U
Benzo(ghi)Perylene	71 U	68 U	73 U	61 U	61 U	68 U	65 U	68 U

TABLE 1 (Continued)

Sample No.:	MW-H1-40.0	MW-H1-50.0	MW-H1-54.0	BN-H2-2.5	BN-H2-5.0	BN-H2-7.5	BN-H3-2.5	BN-H3-5.0
Lab ID:	8618 J	8618 K	8618 L	8624 L	8624 M	8624 N	8684 M	8684 N
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	6.3 U	5.5 U	24 U	2.0 U	2.1 U	2.1 U	7.1 U	5.7 U
Bromomethane	3.8 U	3.3 U	14 U	2.0 U	2.1 U	2.1 U	4.3 U	3.4 U
Vinyl Chloride	3.8 U	3.3 U	14 U	3.0 U	3.2 U	3.2 U	4.3 U	3.4 U
Chloroethane	3.8 U	3.3 U	14 U	3.0 U	3.2 U	3.2 U	4.3 U	3.4 U
Methylene Chloride	3.3 U	2.6 U	7.3 U	2.3 U	2.6 U	2.2 U	4.3 U	4.7 U
Acetone	43	110	45	5.0 U	5.3 U	5.3 U	210	800
Carbon Disulfide	2.5 U	2.2 U	9.5 U	2.0 U	2.1 U	2.1 U	2.8 U	2.3 U
1,1-Dichloroethene	2.5 U	2.2 U	9.5 U	1.0 U	2.1 U	2.1 U	2.8 U	2.3 U
1,1-Dichloroethane	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Trans-1,2-Dichloroethene	1.3 U	1.1 U	4.8 U	NA	NA	NA	1.4 U	1.1 U
Cis-1,2-Dichloroethene	1.3 U	1.1 U	4.8 U	NA	NA	NA	1.4 U	1.1 U
1,2-Dichloroethene (Total)	NA	NA	NA	1.0 U	1.1 U	1.1 U	NA	NA
Chloroform	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
1,2-Dichloroethane	1.3 U	1.1 U	4.8 U	2.0 U	2.1 U	2.1 U	1.4 U	1.1 U
2-Butanone	9.5 U	3.9	36 U	7.4 U	8.0 U	7.9 U	29	11
1,1,1-Trichloroethane	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Carbon Tetrachloride	1.3 U	1.1 U	4.8 U	2.0 U	2.1 U	2.1 U	1.4 U	1.1 U
Vinyl Acetate	1.3 U	1.1 U	4.8 U	2.0 U	2.1 U	2.1 U	1.4 U	1.1 U
Bromodichloromethane	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Trichlorofluoromethane	1.3 U	1.1 U	4.8 U	2.0 U	2.1 U	2.1 U	1.4 U	1.1 U
1,2-Dichloropropane	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Trans-1,3-Dichloropropene	1.3 U	1.1 U	4.8 U	2.0 U	2.1 U	2.1 U	1.4 U	1.1 U
Trichloroethene	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Dibromochloromethane	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
1,1,2-Trichloroethane	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Benzene	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
cis-1,3-Dichloropropene	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
2-Chloroethylvinylether	1.3 U	1.1 U	4.8 U	2.0 U	2.1 U	2.1 U	1.4 U	1.1 U
Bromoform	1.3 U	1.1 U	4.8 U	3.0 U	3.2 U	3.2 U	1.4 U	1.1 U
4-Methyl-2-Pentanone	2.5 U	2.2 U	9.5 U	2.0 U	2.1 U	2.1 U	2.8 U	2.3 U
2-Hexanone	5.1 U	4.4 U	19 U	2.0 U	2.1 U	2.1 U	5.7 U	4.6 U
Tetrachloroethene	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
1,1,2,2-Tetrachloroethane	1.3 U	1.1 U	4.8 U	2.0 U	2.1 U	2.1 U	1.4 U	1.1 U
Toluene	280	790	480	2.8	4.5	2.3	1500 J	1.7 J
Chlorobenzene	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Ethylbenzene	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Styrene	1.3 U	1.1 U	4.8 U	1.0 U	1.1 U	1.1 U	1.4 U	1.1 U
Total Xylenes	2.5 U	2.2 U	9.5 U	2.0 U	2.1 U	2.1 U	1.8 J	2.3 U
Freon-TF	6.3 U	5.5 U	24 U	2.0 U	2.1 U	2.1 U	7.1 U	5.7 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	6.0 U	7.0 U	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U
Chromium	8.9	10	10	22	9.1	8.3	16	9.8
Copper	10	12	18	26	13	15	19	12
Nickel	8.0	8.0	8.0	41	11	12	12	8.0
Lead	3.0	4.0	6.0	7.0	6.0	7.0	20	2.0 U
Zinc	18	21	22	34	33	38	48	21

TABLE 1 (Continued)

Sample No.:	MW-H1-40.0	MW-H1-50.0	MW-H1-54.0	BN-H2-2.5	BN-H2-5.0	BN-H2-7.5	BN-H3-2.5	BN-H3-5.0
Lab ID:	8618 J	8618 K	8618 L	8624 L	8624 M	8624 N	8684 M	8684 N
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	150 U	130 U	160 U	120 U	130 U	140 U	240	580
bis(2-Chloroethyl)Ether	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
2-Chlorophenol	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
1,3-Dichlorobenzene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
1,4-Dichlorobenzene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Benzyl Alcohol	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
1,2-Dichlorobenzene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
2-Methylphenol	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
bis(2-chloroisopropyl)Ether	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
4-Methylphenol	73 U	67 U	78 U	60 U	66 U	70 U	240	360
N-Nitroso-Di-n-Propylamine	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Hexachloroethane	150 U	130 U	160 U	120 U	130 U	140 U	160 U	130 U
Nitrobenzene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Isophorone	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
2-Nitrophenol	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
2,4-Dimethylphenol	150 U	130 U	160 U	120 U	130 U	140 U	160 U	130 U
Benzoic Acid	730 U	670 U	780 U	600 U	660 U	700 U	810 U	660 U
bis(2-Chloroethoxy)Methane	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
2,4-Dichlorophenol	220 U	200 U	240 U	180 U	200 U	210 U	240 U	200 U
1,2,4-Trichlorobenzene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Naphthalene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
4-Chloroaniline	220 U	200 U	240 U	180 U	200 U	210 U	240 U	200 U
Hexachlorobutadiene	150 U	130 U	160 U	120 U	130 U	140 U	160 U	130 U
4-Chloro-3-Methylphenol	150 U	130 U	160 U	120 U	130 U	140 U	160 U	130 U
2-Methylnaphthalene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Hexachlorocyclopentadiene	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
2,4,6-Trichlorophenol	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
2,4,5-Trichlorophenol	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
2-Chloronaphthalene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
2-Nitroaniline	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
Dimethyl Phthalate	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Acenaphthylene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
3-Nitroaniline	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
Acenaphthene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
2,4-Dinitrophenol	730 U	670 U	780 U	600 U	660 U	700 U	810 U	660 U
4-Nitrophenol	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
Dibenzofuran	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
2,4-Dinitrotoluene	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
2,6-Dinitrotoluene	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
Diethylphthalate	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
4-Chlorophenyl-phenylether	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Fluorene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
4-Nitroaniline	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
4,6-Dinitro-2-Methylphenol	730 U	670 U	780 U	600 U	660 U	700 U	810 U	660 U
N-Nitrosodiphenylamine(1)	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
4-Bromophenyl-phenylether	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Hexachlorobenzene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Pentachlorophenol	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
Phenanthrene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Anthracene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Di-n-Butylphthalate	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Fluoranthene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Pyrene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Butylbenzylphthalate	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
3,3'-Dichlorobenzidine	360 U	340 U	390 U	300 U	330 U	350 U	410 U	330 U
Benzo(a)Anthracene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
bis(2-Ethylhexyl)Phthalate	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Chrysene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Di-n-Octyl Phthalate	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Benzo(b)Fluoranthene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Benzo(k)Fluoranthene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Benzo(a)Pyrene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Indeno(1,2,3-cd)Pyrene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Dibenz(a,h)Anthracene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U
Benzo(ghi)Perylene	73 U	67 U	78 U	60 U	66 U	70 U	81 U	66 U

TABLE 1 (Continued)

Sample No.: / Lab ID: / Analyte	MW-H1-40.0 8618 J	MW-H1-50.0 8618 K	MW-H1-54.0 8618 L	BN-H2-2.5 8624 L	BN-H2-5.0 8624 M	BN-H2-7.5 8624 N	BN-H3-2.5 8684 M	BN-H3-5.0 8684 N
ISOPROPYL ALCOHOL (mg/kg)	NA	NA	NA	NA	NA	NA	NA	NA
PEST/PCBs (ug/kg)								
Alpha-BHC	NA	NA	NA	2.5 U	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	2.5 U	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	4.0 U	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	2.5 U	NA	NA	NA	NA
Heptachlor	NA	NA	NA	2.5 U	NA	NA	NA	NA
Aldrin	NA	NA	NA	2.5 U	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	2.5 U	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	2.5 U	NA	NA	NA	NA
Dieldrin	NA	NA	NA	5.0 U	NA	NA	NA	NA
4,4-DDE	NA	NA	NA	2.1 J	NA	NA	NA	NA
Endrin	NA	NA	NA	5.0 U	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	5.0 U	NA	NA	NA	NA
4,4-DDD	NA	NA	NA	5.0 U	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	10 U	NA	NA	NA	NA
4,4-DDT	NA	NA	NA	18	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	10 U	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	8.0 U	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	4.0 U	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	4.0 U	NA	NA	NA	NA
Toxaphene	NA	NA	NA	400 U	NA	NA	NA	NA
Aroclor-1242/1016	NA	NA	NA	40 U	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	40 U	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	24 J	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	40 U	NA	NA	NA	NA

TABLE 1 (Continued)

Sample No.:	BN-H3-7.5	BN-H3-10.0	BN-H4-2.5	BN-H4-5.0	BN-H4-7.5	(Dup of H4-7.5) BN-H4-75	(Dup of H4-10.0)* BN-H4-100	BN-H5-2.5
Lab ID:	8684 O	8684 P	8624 R	8624 S	8624 T	8624 Yre	8624 Z	8618 AO
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.2 U	2.6 U	2.3 U	2.2 U	2.4 U	6.4 U	2.3 U	2.3 U
Bromomethane	2.2 U	2.6 U	2.3 U	2.2 U	2.4 U	3.8 U	2.3 U	2.3 U
Vinyl Chloride	3.2 U	3.9 U	2.3 U	2.2 U	2.4 U	3.8 U	2.3 U	2.3 U
Chloroethane	3.2 U	3.9 U	2.3 U	2.2 U	2.4 U	3.8 U	2.3 U	2.3 U
Methylene Chloride	1.0 M	1.6	0.6 MU	1.4 UJ	2.7 U	2.8 U	2.6 U	3.0 U
Acetone	1100	1100 U	4.9 UJ	8.1 U	46 U	22 U	18 U	23 U
Carbon Disulfide	2.2 U	2.6 U	1.1 U	0.6 J	8.0	2.5 U	2.8	34
1,1-Dichloroethene	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	2.5 U	1.1 U	1.1 U
1,1-Dichloroethane	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Trans-1,2-Dichloroethene	NA	NA	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Cis-1,2-Dichloroethene	NA	NA	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
1,2-Dichloroethene (Total)	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA
Chloroform	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
1,2-Dichloroethane	2.2 U	2.6 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
2-Butanone	26	76	5.6 U	5.5 U	15	9.5 U	8.5	3.9 J
1,1,1-Trichloroethane	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Carbon Tetrachloride	2.2 U	2.6 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Vinyl Acetate	2.2 U	2.6 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Bromodichloromethane	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Trichlorofluoromethane	2.2 U	2.6 U	2.3 U	2.2 U	2.4 U	1.3 U	2.3 U	2.3 U
1,2-Dichloropropane	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Trans-1,3-Dichloropropene	2.2 U	2.6 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Trichloroethene	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Dibromochloromethane	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
1,1,2-Trichloroethane	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Benzene	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
cis-1,3-Dichloropropene	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
2-Chloroethylvinylether	2.2 U	2.6 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Bromoform	3.2 U	3.9 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
4-Methyl-2-Pentanone	2.2 U	3.1	5.6 U	5.5 U	6.0 U	2.5 U	5.7 U	5.7 U
2-Hexanone	2.2 U	2.6 U	5.6 U	5.5 U	6.0 U	5.1 U	5.7 U	5.7 U
Tetrachloroethene	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	2.2 U	2.6 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Toluene	1.6	340 J	1.1 U	1.1 U	4.6	1.0 J	6.8	17
Chlorobenzene	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Ethylbenzene	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	0.7 J
Styrene	1.1 U	1.3 U	1.1 U	1.1 U	1.2 U	1.3 U	1.1 U	1.1 U
Total Xylenes	2.2 U	2.6 U	2.3 U	2.2 U	2.4 U	1.8 J	2.3 U	13
Freon-TF	2.2 U	2.6 U	2.3 U	2.2 U	2.4 U	6.4 U	2.3 U	2.3 U
METALS (mg/kg-dry)								
Arsenic	4.0 U	6.0 U	5.0 U	5.0 U	6.0 U	5.0 U	6.0 U	4.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4
Chromium	9.9	13	8.1	6.7	7.8	7.7	8.9	8.1
Copper	11	16	12	16	19	19	23	1800
Nickel	7.0	11	9.0	9.0	11	10	12	11
Lead	3.0	3.0	4.0	5.0	6.0	5.0	6.0	10
Zinc	22	28	25	24	29	27	27	84

* Sample H4-10.0 was inadvertently omitted from analysis.

TABLE 1 (Continued)

Sample No.:	BN-H3-7.5	BN-H3-10.0	BN-H4-2.5	BN-H4-5.0	BN-H4-7.5	(Dup of H4-7.5) BN-H4-75	(Dup of H4-10.0)* BN-H4-100	BN-H5-2.5
Lab ID:	8684 O	8684 P	8624 R	8624 S	8624 T	8624 Yre	8624 Z	8618 AO
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	600	100 J	140 U	140 U	140 U	150 U	140 U	140 U
bis(2-Chloroethyl)Ether	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
2-Chlorophenol	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
1,3-Dichlorobenzene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
1,4-Dichlorobenzene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Benzyl Alcohol	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
1,2-Dichlorobenzene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
2-Methylphenol	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
bis(2-chloroisopropyl)Ether	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
4-Methylphenol	410	350	68 U	72 U	420	420	70 U	220
N-Nitroso-Di-n-Propylamine	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Hexachloroethane	120 U	140 U	140 U	140 U	140 U	150 U	140 U	140 U
Nitrobenzene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Isophorone	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
2-Nitrophenol	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
2,4-Dimethylphenol	120 U	140 U	140 U	140 U	140 U	150 U	140 U	140 U
Benzoic Acid	620 U	710 U	680 U	720 U	690 U	770 U	700 U	690 U
bis(2-Chloroethoxy)Methane	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
2,4-Dichlorophenol	190 U	210 U	200 U	220 U	210 U	230 U	210 U	210 U
1,2,4-Trichlorobenzene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Naphthalene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
4-Chloroaniline	190 U	210 U	200 U	220 U	210 U	230 U	210 U	210 U
Hexachlorobutadiene	120 U	140 U	140 U	140 U	140 U	150 U	140 U	140 U
4-Chloro-3-Methylphenol	120 U	140 U	140 U	140 U	140 U	150 U	140 U	140 U
2-Methylnaphthalene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Hexachlorocyclopentadiene	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
2,4,6-Trichlorophenol	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
2,4,5-Trichlorophenol	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
2-Chloronaphthalene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
2-Nitroaniline	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
Dimethyl Phthalate	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Acenaphthylene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
3-Nitroaniline	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
Acenaphthene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
2,4-Dinitrophenol	620 U	710 U	680 U	720 U	690 U	770 U	700 U	690 U
4-Nitrophenol	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
Dibenzofuran	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
2,4-Dinitrotoluene	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
2,6-Dinitrotoluene	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
Diethylphthalate	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
4-Chlorophenyl-phenylether	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Fluorene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
4-Nitroaniline	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
4,6-Dinitro-2-Methylphenol	620 U	710 U	680 U	720 U	690 U	770 U	700 U	690 U
N-Nitrosodiphenylamine(1)	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
4-Bromophenyl-phenylether	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Hexachlorobenzene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Pentachlorophenol	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
Phenanthrene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Anthracene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Di-n-Butylphthalate	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Fluoranthene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Pyrene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Butylbenzylphthalate	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
3,3'-Dichlorobenzidine	310 U	350 U	340 U	360 U	350 U	380 U	350 U	350 U
Benzo(a)Anthracene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
bis(2-Ethylhexyl)Phthalate	62 U	71 U	68 U	72 U	69 U	77 U	70 U	220
Chrysene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Di-n-Octyl Phthalate	62 U	71 U	68 U	72 U	69 U	77 U	70 U	260
Benzo(b)Fluoranthene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Benzo(k)Fluoranthene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Benzo(a)Pyrene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Indeno(1,2,3-cd)Pyrene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Dibenz(a,h)Anthracene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U
Benzo(ghi)Perylene	62 U	71 U	68 U	72 U	69 U	77 U	70 U	69 U

* Sample H4-10.0 was inadvertently omitted from analysis.

TABLE 1 (Continued)

Sample No.:	BN-H5-5.0	BN-H5-7.5	BN-H5-11.5	BN-H6-2.5	BN-H6-5.0	BN-H6-7.5	BN-H6-11.5	BN-H6-15.0
Lab ID:	8618 AP	8618 AQ	8618 AS	8618 AJ	8618 AKRE	8618 AL	8618 AN	8624 J
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.3 U	2.4 U	2.5 U	2.2 U	2.5 U	2.3 U	2.6 U	2.5 U
Bromomethane	2.3 U	2.4 U	2.5 U	2.2 U	2.5 U	2.3 U	2.6 U	2.5 U
Vinyl Chloride	2.3 U	2.4 U	2.5 U	2.2 U	2.5 U	2.3 U	2.6 U	3.8 U
Chloroethane	2.3 U	2.4 U	2.5 U	2.2 U	2.5 U	2.3 U	2.6 U	3.8 U
Methylene Chloride	4.0 U	3.8 U	2.5 UJ	3.8 U	2.7	4.5 U	3.1 U	2.3 U
Acetone	130	470	16 U	7.3 U	7.5	6.2 U	17 U	20
Carbon Disulfide	39	74	1.2 J	1.1 U	1.3 U	1.2 U	1.3 U	2.5 U
1,1-Dichloroethene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
1,1-Dichloroethane	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Trans-1,2-Dichloroethene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	NA
Cis-1,2-Dichloroethene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	NA
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	1.3 U
Chloroform	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
1,2-Dichloroethane	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	2.5 U
2-Butanone	9.0	14	6.2 U	5.5 U	6.4 U	5.9 U	4.7 J	9.4 U
1,1,1-Trichloroethane	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Carbon Tetrachloride	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	2.5 U
Vinyl Acetate	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	2.5 U
Bromodichloromethane	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Trichlorofluoromethane	2.3 U	2.4 U	2.5 U	2.2 U	2.5 U	2.3 U	2.6 U	2.5 U
1,2-Dichloropropane	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Trans-1,3-Dichloropropene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	2.5 U
Trichloroethene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Dibromochloromethane	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
1,1,2-Trichloroethane	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Benzene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
cis-1,3-Dichloropropene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
2-Chloroethylvinylether	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	2.5 U
Bromoform	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	3.8 U
4-Methyl-2-Pentanone	5.7 U	5.2 J	6.2 U	5.5 U	6.4 U	5.9 U	6.6 U	2.5 U
2-Hexanone	5.7 U	6.0 U	6.2 U	5.5 U	6.4 U	5.9 U	6.6 U	2.5 U
Tetrachloroethene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
1,1,2,2-Tetrachloroethane	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	2.5 U
Toluene	5.2	17	27	10	14	6.8	1.1 M	4.6
Chlorobenzene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Ethylbenzene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Styrene	1.1 U	1.2 U	1.2 U	1.1 U	1.3 U	1.2 U	1.3 U	1.3 U
Total Xylenes	2.3 U	2.1 M	1.9 M	1.6 M	1.6 M	2.3 U	2.6 U	2.5 U
Freon-TF	0.6 M	2.4 U	2.5 U	0.7 M	2.5 U	1.1 M	2.6 U	2.5 U
METALS (mg/kg-dry)								
Arsenic	4.0 U	4.0 U	6.0 U	5.0 U	5.0 U	5.0 U	6.0 U	6.0 U
Cadmium	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U
Chromium	5.1	5.8	8.4	6.3	8.9	8.4	10	8.2
Copper	177	14	15	27	22	36	15	30
Nickel	7.0	9.0	10	8.0	9.0	8.0	9.0	8.0
Lead	4.0	4.0	5.0	6.0	7.0	6.0	6.0	3.0 U
Zinc	26	22	24	32	31	26	27	22

TABLE 1 (Continued)

Sample No.:	BN-H5-5.0	BN-H5-7.5	BN-H5-11.5	BN-H6-2.5	BN-H6-5.0	BN-H6-7.5	BN-H6-11.5	BN-H6-15.0
Lab ID:	8618 AP	8618 AQ	8618 AS	8618 AJ	8618 AKRE	8618 AL	8618 AN	8624 J
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	210	300	140 U	120 U	150 U	130 U	140 U	140 U
bis(2-Chloroethyl)Ether	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
2-Chlorophenol	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
1,3-Dichlorobenzene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
1,4-Dichlorobenzene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Benzyl Alcohol	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
1,2-Dichlorobenzene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
2-Methylphenol	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
bis(2-chloroisopropyl)Ether	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
4-Methylphenol	87	200	1300	62 U	75 U	67 U	70 U	71 U
N-Nitroso-Di-n-Propylamine	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Hexachloroethane	130 U	130 U	140 U	120 U	150 U	130 U	140 U	140 U
Nitrobenzene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Isophorone	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
2-Nitrophenol	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
2,4-Dimethylphenol	130 U	130 U	140 U	120 U	150 U	130 U	140 U	140 U
Benzoic Acid	650 U	670 U	680 U	620 U	750 U	670 U	700 U	710 U
bis(2-Chloroethoxy)Methane	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
2,4-Dichlorophenol	190 U	200 U	200 U	190 U	230 U	200 U	210 U	210 U
1,2,4-Trichlorobenzene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Naphthalene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
4-Chloroaniline	190 U	200 U	200 U	190 U	230 U	200 U	210 U	210 U
Hexachlorobutadiene	130 U	130 U	140 U	120 U	150 U	130 U	140 U	140 U
4-Chloro-3-Methylphenol	130 U	130 U	140 U	120 U	150 U	130 U	140 U	140 U
2-Methylnaphthalene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Hexachlorocyclopentadiene	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
2,4,6-Trichlorophenol	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
2,4,5-Trichlorophenol	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
2-Chloronaphthalene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
2-Nitroaniline	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
Dimethyl Phthalate	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Acenaphthylene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
3-Nitroaniline	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
Acenaphthene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
2,4-Dinitrophenol	650 U	670 U	680 U	620 U	750 U	670 U	700 U	710 U
4-Nitrophenol	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
Dibenzofuran	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
2,4-Dinitrotoluene	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
2,6-Dinitrotoluene	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
Diethylphthalate	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
4-Chlorophenyl-phenylether	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Fluorene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
4-Nitroaniline	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
4,6-Dinitro-2-Methylphenol	650 U	670 U	680 U	620 U	750 U	670 U	700 U	710 U
N-Nitrosodiphenylamine(1)	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
4-Bromophenyl-phenylether	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Hexachlorobenzene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Pentachlorophenol	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
Phenanthrene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Anthracene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Di-n-Butylphthalate	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Fluoranthene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Pyrene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Butylbenzylphthalate	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
3,3'-Dichlorobenzidine	320 U	340 U	340 U	310 U	380 U	330 U	350 U	360 U
Benzo(a)Anthracene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
bis(2-Ethylhexyl)Phthalate	65 U	100 M	91 M	62 U	75 U	67 U	70 U	71 U
Chrysene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Di-n-Octyl Phthalate	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Benzo(b)Fluoranthene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Benzo(k)Fluoranthene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Benzo(a)Pyrene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Indeno(1,2,3-cd)Pyrene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Dibenz(a,h)Anthracene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U
Benzo(ghi)Perylene	65 U	67 U	68 U	62 U	75 U	67 U	70 U	71 U

TABLE 1 (Continued)

Sample No.:	BN-H7-2.5	BN-H7-5.0	BN-H7-7.5	BN-H7-11.5	BN-H8-2.5	BN-H8-5.0	BN-H8-7.5	BN-H8-11.5
Lab ID:	8618 AE	8618 AF	8618 AG	8618 AI	8618 AT	8618 AURE	8618 AV	8618 AX
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.2 U	2.1 U	2.4 U	2.4 U	2.7 U	2.2 U	2.4 U	2.5 U
Bromomethane	2.2 U	2.1 U	2.4 U	2.4 U	2.7 U	2.2 U	2.4 U	2.5 U
Vinyl Chloride	2.2 U	2.1 U	3.7 U	2.4 U	2.7 U	2.2 U	2.4 U	3.7 U
Chloroethane	2.2 U	2.1 U	3.7 U	2.4 U	2.7 U	2.2 U	2.4 U	3.7 U
Methylene Chloride	2.7 U	0.6 MU	3.1 U	4.7 U	3.3 U	3.4 B	3.1 U	2.7 U
Acetone	9.9 U	8.7 U	6.1 U	9.3 U	550	25 B	36 U	54
Carbon Disulfide	0.6 M	1.1 U	2.4 U	1.2 U	35	1.1 U	1.3	2.5 U
1,1-Dichloroethene	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
1,1-Dichloroethane	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Trans-1,2-Dichloroethene	1.1 U	1.1 U	NA	1.2 U	1.3 U	1.1 U	1.2 U	NA U
Cis-1,2-Dichloroethene	1.1 U	1.1 U	NA	1.2 U	1.3 U	1.1 U	1.2 U	NA U
1,2-Dichloroethene (Total)	NA	NA	1.2 U	NA	NA	NA	NA	1.2 U
Chloroform	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
1,2-Dichloroethane	1.1 U	1.1 U	2.4 U	1.2 U	1.3 U	1.1 U	1.2 U	2.5 U
2-Butanone	5.0 J	5.4 U	9.2	5.5 J	38	8	6.9	9.2 U
1,1,1-Trichloroethane	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Carbon Tetrachloride	1.1 U	1.1 U	2.4 U	1.2 U	1.3 U	1.1 U	1.2 U	2.5 U
Vinyl Acetate	1.1 U	1.1 U	2.4 U	1.2 U	1.3 U	1.1 U	1.2 U	2.5 U
Bromodichloromethane	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Trichlorofluoromethane	2.2 U	2.1 U	2.4 U	2.4 U	2.7 U	2.2 U	2.4 U	2.5 U
1,2-Dichloropropane	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Trans-1,3-Dichloropropene	1.1 U	1.1 U	2.4 U	1.2 U	1.3 U	1.1 U	1.2 U	2.5 U
Trichloroethene	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Dibromochloromethane	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
1,1,2-Trichloroethane	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Benzene	1.1 U	1.1 U	1.2 U	1.2 U	1.4	1.1 U	1.2 U	1.2 U
cis-1,3-Dichloropropene	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
2-Chloroethylvinylether	1.1 U	1.1 U	2.4 U	1.2 U	1.3 U	1.1 U	1.2 U	2.5 U
Bromoform	1.1 U	1.1 U	3.7 U	1.2 U	1.3 U	1.1 U	1.2 U	3.7 U
4-Methyl-2-Pentanone	5.5 U	5.4 U	2.4 U	6.0 U	6.7 U	5.5 U	5.9 U	2.5 U
2-Hexanone	5.5 U	5.4 U	2.4 U	6.0 U	6.7 U	5.5 U	5.9 U	2.5 U
Tetrachloroethene	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
1,1,2,2-Tetrachloroethane	1.1 U	1.1 U	2.4 U	1.2 U	1.3 U	1.1 U	1.2 U	2.5 U
Toluene	20	17	5.4	5.2	540	1.4	6.0 UJ	13
Chlorobenzene	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Ethylbenzene	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Styrene	1.1 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U
Total Xylenes	1.8 M	2.1 U	2.4 U	2.4 U	3.7 M	2.2 U	1.3 J	2.5 U
Freon-TF	2.2 U	2.1 U	2.4 U	0.8 M	2.7 U	2.2 U	2.4 U	2.5 U
METALS (mg/kg-dry)								
Arsenic	4.0 U	4.0 U	5.0 U	5.0 U	7.0 U	5.0 U	5.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2	0.3	0.2 U
Chromium	7.1	5.3	7.3	5.4	9.4	6.4	9.8	8.5
Copper	10	11	16	14	22	12	23	24
Nickel	8.0	7.0	9.0	6.0	12	9.0	12	11
Lead	5.0	4.0	6.0	7.0	14	4.0	8.0	5.0
Zinc	22	21	26	26	46	24	29	27

TABLE 1 (Continued)

Sample No.:	BN-H7-2.5	BN-H7-5.0	BN-H7-7.5	BN-H7-11.5	BN-H8-2.5	BN-H8-5.0	BN-H8-7.5	BN-H8-11.5
Lab ID:	8618 AE	8618 AF	8618 AG	8618 AI	8618 AT	8618 AURE	8618 AV	8618 AX
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	130 U	130 U	140 U	140 U	230	140 U	150 U	130 U
bis(2-Chloroethyl)Ether	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
2-Chlorophenol	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
1,3-Dichlorobenzene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
1,4-Dichlorobenzene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Benzyl Alcohol	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
1,2-Dichlorobenzene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
2-Methylphenol	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
bis(2-chloroisopropyl)Ether	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
4-Methylphenol	65 U	63 U	69 U	71 U	1700	68 U	76 U	67 U
N-Nitroso-Di-n-Propylamine	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Hexachloroethane	130 U	130 U	140 U	140 U	160 U	140 U	150 U	130 U
Nitrobenzene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Isophorone	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
2-Nitrophenol	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
2,4-Dimethylphenol	130 U	130 U	140 U	140 U	160 U	140 U	150 U	130 U
Benzoic Acid	650 U	630 U	690 U	710 U	810 U	680 U	760 U	670 U
bis(2-Chloroethoxy)Methane	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
2,4-Dichlorophenol	190 U	190 U	210 U	210 U	240 U	210 U	230 U	200 U
1,2,4-Trichlorobenzene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Naphthalene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
4-Chloroaniline	190 U	190 U	210 U	210 U	240 U	210 U	230 U	200 U
Hexachlorobutadiene	130 U	130 U	140 U	140 U	160 U	140 U	150 U	130 U
4-Chloro-3-Methylphenol	130 U	130 U	140 U	140 U	160 U	140 U	150 U	130 U
2-Methylnaphthalene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Hexachlorocyclopentadiene	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
2,4,6-Trichlorophenol	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
2,4,5-Trichlorophenol	330 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
2-Chloronaphthalene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
2-Nitroaniline	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
Dimethyl Phthalate	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Acenaphthylene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
3-Nitroaniline	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
Acenaphthene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
2,4-Dinitrophenol	650 U	630 U	690 U	710 U	810 U	680 U	760 U	670 U
4-Nitrophenol	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
Dibenzofuran	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
2,4-Dinitrotoluene	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
2,6-Dinitrotoluene	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
Diethylphthalate	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
4-Chlorophenyl-phenylether	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Fluorene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
4-Nitroaniline	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
4,6-Dinitro-2-Methylphenol	650 U	630 U	690 U	710 U	810 U	680 U	760 U	670 U
N-Nitrosodiphenylamine(1)	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
4-Bromophenyl-phenylether	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Hexachlorobenzene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Pentachlorophenol	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
Phenanthrene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Anthracene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Di-n-Butylphthalate	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Fluoranthene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Pyrene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Butylbenzylphthalate	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
3,3'-Dichlorobenzidine	320 U	310 U	340 U	350 U	400 U	340 U	380 U	330 U
Benzo(a)Anthracene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
bis(2-Ethylhexyl)Phthalate	65 U	63 U	81 M	71 U	93 M	85 M	76 U	92 M
Chrysene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Di-n-Octyl Phthalate	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Benzo(b)Fluoranthene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Benzo(k)Fluoranthene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Benzo(a)Pyrene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Indeno(1,2,3-cd)Pyrene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Dibenz(a,h)Anthracene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U
Benzo(ghi)Perylene	65 U	63 U	69 U	71 U	81 U	68 U	76 U	67 U

TABLE 1 (Continued)

Sample No.:	BN-H9-2.5	BN-H9-5.0	BN-H9-7.5	BN-H9-10.0	BN-H9-15.0	BN-H9-20.0	MW-H11-2.5	MW-H11-5.0
Lab ID:	8610 L	8610 M	8610 N	8610 O	8610 P	8610 Q	8674 A	8674 B
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	2.3 U	5.6 U	2.4 U	2.5 U	5.7 U	2.4 U	760 U	8200 U
Bromomethane	2.3 U	3.4 U	2.4 U	2.5 U	3.4 U	2.4 U	460 U	4900 U
Vinyl Chloride	2.3 U	3.4 U	2.4 U	2.5 U	3.4 U	2.4 U	460 U	4900 U
Chloroethane	2.3 U	3.4 U	2.4 U	2.5 U	3.4 U	2.4 U	460 U	4900 U
Methylene Chloride	4.0 J	1.4	3.9 J	4.3 U	3.4 U	4.1 U	220 J	1800 J
Acetone	630 J	24 U	430 J	160	80	220	540 M	5600 J
Carbon Disulfide	1.0 J	2.2 U	0.7 J	3.5	2.3 U	1.4	300 U	3300 U
1,1-Dichloroethene	1.1 U	2.2 U	1.2 U	1.3 U	2.3 U	1.2 U	300 U	3300 U
1,1-Dichloroethane	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Trans-1,2-Dichloroethene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Cis-1,2-Dichloroethene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
1,2-Dichloroethane	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
2-Butanone	22	7.1	8.4	14	12	14	1100 U	12000 U
1,1,1-Trichloroethane	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Carbon Tetrachloride	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Vinyl Acetate	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Bromodichloromethane	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Trichlorofluoromethane	2.3 U	1.1 U	2.4 U	2.5 U	1.2 U	2.4 U	150 U	1600 U
1,2-Dichloropropane	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Trans-1,3-Dichloropropene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Trichloroethene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Dibromochloromethane	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
1,1,2-Trichloroethane	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Benzene	0.9 J	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
cis-1,3-Dichloropropene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
2-Chloroethylvinylether	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Bromoform	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
4-Methyl-2-Pentanone	5.7 U	2.2 U	6.0 U	6.3 U	2.3 U	6.1 U	300 U	3300 U
2-Hexanone	5.7 U	4.5 U	6.0 U	6.3 U	4.6 U	6.1 U	610 U	6600 U
Tetrachloroethene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
1,1,2,2-Tetrachloroethane	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Toluene	130 J	0.7 M	1.2 U	2.4	4.6	2.7	27000	210000
Chlorobenzene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Ethylbenzene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Styrene	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.2 U	150 U	1600 U
Total Xylenes	12	2.2 U	2.4 U	2.5 U	2.3 U	2.4 U	300 U	3300 U
Freon-TF	2.3 U	5.6 U	2.4 U	2.5 U	5.7 U	2.4 U	760 U	8200 U
METALS (mg/kg-dry)								
Arsenic	5.0 U	4.0 U	5.0 U	6.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3	0.2 U
Chromium	7.2	5.6	4.7	9.3	12	5.2	16	15
Copper	39	14	17	20	22	11	16	19
Nickel	10	8.0	7.0	10	13	9.0	12	10
Lead	4.0	3.0	3.0	5.0	4.0	3.0	6.0	11
Zinc	25	21	18	24	31	23	38	39

TABLE 1 (Continued)

Sample No.:	BN-H9-2.5	BN-H9-5.0	BN-H9-7.5	BN-H9-10.0	BN-H9-15.0	BN-H9-20.0	MW-H11-2.5	MW-H11-5.0
Lab ID:	8610 L	8610 M	8610 N	8610 O	8610 P	8610 Q	8674 A	8674 B
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	130 U	120 U	140 U	140 U	140 U	140 U	140 U	460
bis(2-Chloroethyl)Ether	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
2-Chlorophenol	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
1,3-Dichlorobenzene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
1,4-Dichlorobenzene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Benzyl Alcohol	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
1,2-Dichlorobenzene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
2-Methylphenol	63 U	62 U	68 U	71 U	71 U	69 U	420	1900
bis(2-chloroisopropyl)Ether	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
4-Methylphenol	63 U	62 U	68 U	71 U	71 U	69 U	530	1700
N-Nitroso-Di-n-Propylamine	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Hexachloroethane	130 U	120 U	140 U	140 U	140 U	140 U	140 U	150 U
Nitrobenzene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Isophorone	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
2-Nitrophenol	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
2,4-Dimethylphenol	130 U	120 U	140 U	140 U	140 U	140 U	140 U	150 U
Benzoic Acid	630 U	620 U	680 U	710 U	710 U	690 U	680 U	790
bis(2-Chloroethoxy)Methane	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
2,4-Dichlorophenol	190 U	190 U	200 U	210 U	210 U	210 U	200 U	220 U
1,2,4-Trichlorobenzene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Naphthalene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	190
4-Chloroaniline	190 U	190 U	200 U	210 U	210 U	210 U	200 U	220 U
Hexachlorobutadiene	130 U	120 U	140 U	140 U	140 U	140 U	140 U	150 U
4-Chloro-3-Methylphenol	130 U	120 U	140 U	140 U	140 U	140 U	140 U	150 U
2-Methylnaphthalene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	79
Hexachlorocyclopentadiene	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
2,4,6-Trichlorophenol	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
2,4,5-Trichlorophenol	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
2-Chloronaphthalene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
2-Nitroaniline	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
Dimethyl Phthalate	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Acenaphthylene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
3-Nitroaniline	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
Acenaphthene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
2,4-Dinitrophenol	630 U	620 U	680 U	710 U	710 U	690 U	680 U	740 U
4-Nitrophenol	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
Dibenzofuran	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
2,4-Dinitrotoluene	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
2,6-Dinitrotoluene	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
Diethylphthalate	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
4-Chlorophenyl-phenylether	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Fluorene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
4-Nitroaniline	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
4,6-Dinitro-2-Methylphenol	630 U	620 U	680 U	710 U	710 U	690 U	680 U	740 U
N-Nitrosodiphenylamine(1)	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
4-Bromophenyl-phenylether	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Hexachlorobenzene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Pentachlorophenol	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
Phenanthrene	63 U	62 U	52 J	71 U	71 U	69 U	68 U	74 U
Anthracene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Di-n-Butylphthalate	63 U	62 U	68 U	42 J	71 U	40 J	68 U	74 U
Fluoranthene	63 U	62 U	56 J	71 U	71 U	69 U	68 U	74 U
Pyrene	63 U	62 U	72	71 U	71 U	69 U	68 U	74 U
Butylbenzylphthalate	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
3,3'-Dichlorobenzidine	320 U	310 U	340 U	350 U	350 U	340 U	340 U	370 U
Benzo(a)Anthracene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
bis(2-Ethylhexyl)Phthalate	90	56 J	96	130	95	100	68 U	74 U
Chrysene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Di-n-Octyl Phthalate	110	62 U	68 U	49 J	71 U	69 U	68 U	74 U
Benzo(b)Fluoranthene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Benzo(k)Fluoranthene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Benzo(a)Pyrene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Indeno(1,2,3-cd)Pyrene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Dibenz(a,h)Anthracene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U
Benzo(ghi)Perylene	63 U	62 U	68 U	71 U	71 U	69 U	68 U	74 U

TABLE 1 (Continued)

Sample No.:	MW-H11-7.5		MW-H11-10.0		(Dup of H11-10.0) MW-H11-100		MW-H11-15.0	
Lab ID:	8674 C		8674 DRE		8674 E		8674 F	
Analyte								
VOLATILE ORGANICS (ug/kg)								
Chloromethane	310000	U	130000	U	270000	U	2.5	U
Bromomethane	190000	U	80000	U	160000	U	2.5	U
Vinyl Chloride	190000	U	80000	U	160000	U	2.5	U
Chloroethane	190000	U	80000	U	160000	U	2.5	U
Methylene Chloride	79000	J	30000	J	81000	J	2.9	U
Acetone	120000	J	48000	J	72000	J	150	
Carbon Disulfide	130000	U	53000	U	110000	U	1.2	U
1,1-Dichloroethene	130000	U	53000	U	110000	U	1.2	U
1,1-Dichloroethane	63000	U	27000	U	54000	U	1.2	U
Trans-1,2-Dichloroethene	63000	U	27000	U	54000	U	1.2	U
Cis-1,2-Dichloroethene	63000	U	27000	U	54000	U	1.2	U
1,2-Dichloroethene (Total)	NA		NA		NA		NA	
Chloroform	63000	U	27000	U	54000	U	1.2	U
1,2-Dichloroethane	63000	U	27000	U	54000	U	1.2	U
2-Butanone	470000	U	2000000	U	410000	U	14	
1,1,1-Trichloroethane	63000	U	27000	U	54000	U	1.2	U
Carbon Tetrachloride	63000	U	27000	U	54000	U	1.2	U
Vinyl Acetate	63000	U	27000	U	54000	U	1.2	U
Bromodichloromethane	63000	U	27000	U	54000	U	1.2	U
Trichlorofluoromethane	63000	U	27000	U	54000	U	2.5	U
1,2-Dichloropropane	63000	U	27000	U	54000	U	1.2	U
Trans-1,3-Dichloropropene	63000	U	27000	U	54000	U	1.2	U
Trichloroethene	63000	U	27000	U	54000	U	1.2	U
Dibromochloromethane	63000	U	27000	U	54000	U	1.2	U
1,1,2-Trichloroethane	63000	U	27000	U	54000	U	1.2	U
Benzene	63000	U	27000	U	54000	U	1.2	U
cis-1,3-Dichloropropene	63000	U	27000	U	54000	U	1.2	U
2-Chloroethylvinylether	63000	U	27000	U	54000	U	1.2	U
Bromoform	63000	U	27000	U	54000	U	1.2	U
4-Methyl-2-Pentanone	130000	U	53000	U	110000	U	6.2	U
2-Hexanone	250000	U	110000	U	220000	U	6.2	U
Tetrachloroethene	63000	U	27000	U	54000	U	1.2	U
1,1,2,2-Tetrachloroethane	63000	U	27000	U	54000	U	1.2	U
Toluene	2700000		1100000		1900000		260	
Chlorobenzene	63000	U	27000	U	54000	U	1.2	U
Ethylbenzene	63000	U	27000	U	54000	U	1.2	U
Styrene	63000	U	27000	U	54000	U	1.2	U
Total Xylenes	130000	U	53000	U	110000	U	1.3	M
Freon-TF	310000	U	130000	U	270000	U	2.5	U
METALS (mg/kg-dry)								
Arsenic	5.0	U	4.0	U	5.0	U	4.0	U
Cadmium	0.2		0.2	U	0.2	U	0.2	U
Chromium	14		11		10		9.1	
Copper	13		8.4		8.3		7.4	
Nickel	9.0		6.0		5.0		6.0	
Lead	4.0		3.0		3.0	U	2.0	
Zinc	25		17		17		19	

TABLE 1 (Continued)

Sample No.:	MW-H11-7.5		MW-H11-10.0		(Dup of H11-10.0) MW-H11-100		MW-H11-15.0	
Lab ID:	8674 C		8674 DRE		8674 E		8674 F	
Analyte								
SEMIVOLATILE ORGANICS (ug/kg)								
Phenol	330		220		230		67	J
bis(2-Chloroethyl)Ether	70	U	63	U	64	U	71	U
2-Chlorophenol	70	U	63	U	64	U	71	U
1,3-Dichlorobenzene	70	U	63	U	64	U	71	U
1,4-Dichlorobenzene	70	U	63	U	64	U	71	U
Benzyl Alcohol	350	U	310	U	320	U	350	U
1,2-Dichlorobenzene	70	U	63	U	64	U	71	U
2-Methylphenol	1600		650		610		140	
bis(2-chloroisopropyl)Ether	70	U	63	U	64	U	71	U
4-Methylphenol	1000		560		570		150	
N-Nitroso-Di-n-Propylamine	70	U	63	U	64	U	71	U
Hexachloroethane	140	U	130	U	130	U	140	U
Nitrobenzene	70	U	63	U	64	U	71	U
Isophorone	70	U	63	U	64	U	71	U
2-Nitrophenol	350	U	310	U	320	U	350	U
2,4-Dimethylphenol	140	U	130	U	130	U	140	U
Benzoic Acid	440	J	210	J	640	U	710	U
bis(2-Chloroethoxy)Methane	70	U	63	U	64	U	71	U
2,4-Dichlorophenol	210	U	190	U	190	U	210	U
1,2,4-Trichlorobenzene	70	U	63	U	64	U	71	U
Naphthalene	65	J	63	U	64	U	71	U
4-Chloroaniline	210	U	190	U	190	U	210	U
Hexachlorobutadiene	140	U	130	U	130	U	140	U
4-Chloro-3-Methylphenol	140	U	130	U	130	U	140	U
2-Methylnaphthalene	170		110		120		71	U
Hexachlorocyclopentadiene	350	U	310	U	320	U	350	U
2,4,6-Trichlorophenol	350	U	310	U	320	U	350	U
2,4,5-Trichlorophenol	350	U	310	U	320	U	350	U
2-Chloronaphthalene	70	U	63	U	64	U	71	U
2-Nitroaniline	350	U	310	U	320	U	350	U
Dimethyl Phthalate	70	U	63	U	64	U	71	U
Acenaphthylene	70	U	63	U	64	U	71	U
3-Nitroaniline	350	U	310	U	320	U	350	U
Acenaphthene	70	U	63	U	64	U	71	U
2,4-Dinitrophenol	700	U	630	U	640	U	710	U
4-Nitrophenol	350	U	310	U	320	U	350	U
Dibenzofuran	70	U	63	U	64	U	71	U
2,4-Dinitrotoluene	350	U	310	U	320	U	350	U
2,6-Dinitrotoluene	350	U	310	U	320	U	350	U
Diethylphthalate	70	U	63	U	64	U	71	U
4-Chlorophenyl-phenylether	70	U	63	U	64	U	71	U
Fluorene	70	U	63	U	64	U	71	U
4-Nitroaniline	350	U	310	U	320	U	350	U
4,6-Dinitro-2-Methylphenol	700	U	630	U	640	U	710	U
N-Nitrosodiphenylamine(1)	70	U	63	U	64	U	71	U
4-Bromophenyl-phenylether	70	U	63	U	64	U	71	U
Hexachlorobenzene	70	U	63	U	64	U	71	U
Pentachlorophenol	350	U	310	U	320	U	350	U
Phenanthrene	70	U	63	U	64	U	71	U
Anthracene	70	U	63	U	64	U	71	U
Di-n-Butylphthalate	70	U	63	U	64	U	71	U
Fluoranthene	70	U	63	U	64	U	71	U
Pyrene	70	U	63	U	64	U	71	U
Butylbenzylphthalate	70	U	63	U	64	U	71	U
3,3'-Dichlorobenzidine	350	U	310	U	320	U	350	U
Benzo(a)Anthracene	70	U	63	U	64	U	71	U
bis(2-Ethylhexyl)Phthalate	70	U	63	U	64	U	71	U
Chrysene	70	U	63	U	64	U	71	U
Di-n-Octyl Phthalate	70	U	63	U	64	U	71	U
Benzo(b)Fluoranthene	70	U	63	U	64	U	71	U
Benzo(k)Fluoranthene	70	U	63	U	64	U	71	U
Benzo(a)Pyrene	70	U	63	U	64	U	71	U
Indeno(1,2,3-cd)Pyrene	70	U	63	U	64	U	71	U
Dibenz(a,h)Anthracene	70	U	63	U	64	U	71	U
Benzo(ghi)Perylene	70	U	63	U	64	U	71	U

TABLE 2
GROUNDWATER AND SEEP ANALYTICAL RESULTS
PROJECT V

Analyte	MW-DM1A 8575 C	MW-DM1B 8575 E	MW-DM2A 8559 F	(Dup of DM2A) MW-DM102A 8559 E	MW-DM2B 8575 B	MW-DM3A 8559 B	MW-DM3B 8559 A	MW-DM4 8575 F
VOLATILE ORGANICS (ug/L)								
Chloromethane	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	2.0 U	2.0 U	3.0 U	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0 U	2.0 U	3.0 U	3.0 U	3.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	2.0 U	2.0 U	3.0 U	3.0 U	3.0 U	6.6	2.0 U	2.0 U
Methylene Chloride	2.0 U	2.0 U	1.6 UJ	1.4 UJ	0.8 UJ	2.0 U	2.0 U	2.0 U
Acetone	5.0 U	5.0 U	4.5 UJ	4.5 UJ	21	5.0 U	5.0 U	5.0 U
Carbon Disulfide	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	9.7	1.0 U	1.0 U
Trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U
Cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	NA	0.7 M	1.0 U	1.0 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	1.0 U	NA	NA	NA
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	5.0 U	5.0 U	7.5 U	7.5 U	7.5 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U	3.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	5.0 U	5.0 U	4.0 U	4.0 U	2.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.1	1.1	4.7	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	2.0 U	2.0 U	4.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Freon-TF	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U
METALS (mg/L)								
Arsenic	0.002	0.021	0.066	0.072	0.048	0.015	0.011	0.001 U
Cadmium	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Chromium	0.005 U	0.005 U	0.257	0.238	0.033	0.005 U	0.005 U	0.005 U
Copper	0.017	0.009	0.044	0.037	0.073	0.002 U	0.019	0.002 U
Nickel	0.01 U	0.01 U	0.01	0.02	0.01 U	0.01 U	0.01 U	0.01 U
Lead	0.002 U	0.003 U	0.007 U	0.004 U	0.003 U	0.001 U	0.003 U	0.001 U
Zinc	0.011 U	0.013 U	0.016 U	0.014 U	0.026 U	0.008 U	0.011 U	0.006 U

U = Indicates compound was analyzed for but not detected at the given detection limit.
J = Indicates an estimated value when result is less than specified detection limit.
M = Indicates an estimated value of analyte found and confirmed by analyst but with low spectral match parameters.
NA = Not Analyzed
Freon-TF = 1,1,2-Trichloro-1,2,2-trifluoroethane
* = Reported with Benzo(k)Fluoranthene
** = Reported with Chrysene
file: voawater.wk1;ash 09/03/91

TABLE 2 (Continued)

Sample No.:	MW-DM1A	MW-DM1B	MW-DM2A	(Dup of DM2A) MW-DM102A	MW-DM2B	MW-DM3A	MW-DM3B	MW-DM4
Lab ID:	8575 C	8575 E	8559 F	8559 E	8575 B	8559 B	8559 A	8575 F
Analyte								
SEMIVOLATILE ORGANICS – PAH Only (ug/L)								
Naphthalene	0.078 U	0.088 U	0.018 UJ	0.023 U	0.120 U	0.010 UJ	0.015 UJ	0.071 U
2-Methylnaphthalene	0.02 U	0.02 U	0.02 U	0.016 J	0.160	0.02 U	0.02 U	0.02 U
Acenaphthylene	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	0.02 U	0.02 U	0.02 U	0.02 U	0.027	0.02 U	0.02 U	0.02 U
Dibenzofuran	0.02 U	0.02 U	0.02 U	0.02 U	0.020	0.02 U	0.02 U	0.02 U
Fluorene	0.02 U	0.02 U	0.02 U	0.021	0.047	0.02 U	0.02 U	0.02 U
Phenanthrene	0.02 U	0.019 J	0.045	0.045	0.280	0.02 U	0.02 U	0.02 U
Anthracene	0.02 U	0.02 U	0.017 J	0.02 U	0.030	0.02 U	0.02 U	0.02 U
Fluoranthene	0.02 U	0.02 U	0.026	0.032	0.037	0.02 U	0.039	0.02 U
Pyrene	0.02 U	0.02 U	0.054	0.056	0.059	0.02 U	0.035	0.02 U
Benzo(a)Anthracene	0.02 U	0.02 U	0.02 U	0.032	**	0.02 U	0.02 U	0.02 U
Chrysene	0.02 U	0.02 U	0.030	0.033	0.051	0.02 U	0.040	0.02 U
Benzo(b)Fluoranthene	0.02 U	0.02 U	0.02 U	*	*	0.02 U	*	*
Benzo(k)Fluoranthene	0.02 U	0.02 U	0.037 U	0.064 U	0.089 U	0.02 U	0.120 U	0.039 U
Benzo(a)Pyrene	0.02 U	0.02 U	0.02 U	0.02 U	0.049	0.02 U	0.025	0.02 U
Indeno(1,2,3-cd)Pyrene	0.064 U	0.02 U	0.040 U	0.042 U	0.076 U	0.042 U	0.02 U	0.041 U
Dibenz(a,h)Anthracene	0.02 U	0.02 U	0.02 U	0.02 U	0.029 U	0.02 U	0.02 U	0.02 U
Benzo(ghi)Perylene	0.097 U	0.091 U	0.041 U	0.059 U	0.096 U	0.067 U	0.02 U	0.061 U
TOC (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA
FORMALDEHYDE (mg/L)	NA	0.48	NA	NA	0.35	NA	0.3 U	NA
ISOPROPYL ALCOHOL (ppm)	NA	NA	NA	NA	NA	NA	NA	3.0 U

TABLE 2 (Continued)

Analyte	Sample No.: MW-DM5	MW-DM6	MW-DM7	MW-DM8	MW-A2	MW-A4	MW-A9	MW-B1A
	Lab ID: 8559 D	8575 D	8575 A	8559 C	8706 E	8706 H	8706 G	8709 E
VOLATILE ORGANICS (ug/L)								
Chloromethane	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	3.0 U	3.0 U	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	3.0 U	3.0 U	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	3.0 U	3.0 U	3.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	2.0 UJ	3.9 U	4.1 U	2.0 U	2.0 U	2.0 U	2.0 U	2.1 U
Acetone	5.4 U	3.7 UJ	4.7 UJ	5.0 U	5.0 U	5.0 U	5.0 U	4.0 UJ
Carbon Disulfide	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	2.9	0.6 J	1.0 U	1.0 U
Trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	7.5 U	7.5 U	7.5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0 U	1.0 U	1.4	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone	2.0 U	2.0 U	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	4.0 U	4.0 U	4.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Freon-TF	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
METALS (mg/L)								
Arsenic	0.063	0.013	0.021	0.050	0.033 J	0.005 J	0.002 U	0.001 U
Cadmium	0.002 U	0.002 U	0.002 U	0.002 U	0.003 U	0.002 U	0.003 U	0.002 U
Chromium	0.385	0.012	0.011	0.062	0.005 U	0.005 U	0.005 U	0.005 U
Copper	0.031	0.027	0.002 U	0.029	0.005	0.003 U	0.002 U	0.003 U
Nickel	0.02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Lead	0.002 U	0.002 U	0.002 U	0.004 U	0.001 U	0.002	0.001 U	0.002
Zinc	0.016 U	0.006 U	0.007 U	0.021 U	0.010 U	0.019 U	0.008 U	0.028 U

TABLE 2 (Continued)

Sample No.: / Lab ID: / Analyte	MW-DM5 8575 D	MW-DM6 8575 D	MW-DM7 8575 A	MW-DM8 8559 C	MW-A2 8706 E	MW-A4 8706 H	MW-A9 8706 G	MW-B1A 8709 E
SEMIVOLATILE ORGANICS – PAH Only (ug/L)								
Naphthalene	0.028 U	0.048 U	0.069 U	0.017 UJ	0.11 U	0.15 U	1.9	0.051 U
2-Methylnaphthalene	0.014 J	0.02 U	0.02 U	0.02 U	0.046	0.080	0.075	0.040 U
Acenaphthylene	0.02 U	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Acenaphthene	0.02 U	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	4.3	0.040 U
Dibenzofuran	0.02 U	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.065	0.040 U
Fluorene	0.02 U	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.052	0.040 U
Phenanthrene	0.025	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.28	0.040 U
Anthracene	0.02 U	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Fluoranthene	0.023	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Pyrene	0.025	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Benzo(a)Anthracene	0.021	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Chrysene	0.020	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Benzo(b)Fluoranthene	*	0.040	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Benzo(k)Fluoranthene	0.046 U	0.029 U	0.062 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Benzo(a)Pyrene	0.013 J	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Indeno(1,2,3-cd)Pyrene	0.063 U	0.066 U	0.14 U	0.033 U	0.040 U	0.040 U	0.040 U	0.040 U
Dibenz(a,h)Anthracene	0.021 U	0.02 U	0.02 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
Benzo(ghi)Perylene	0.052 U	0.076 U	0.13 U	0.02 U	0.040 U	0.040 U	0.040 U	0.040 U
TOC (mg/L)	NA	NA	NA	NA	24.7	10.0	10.3	3.2
FORMALDEHYDE (mg/L)	NA	NA	NA	NA	NA	NA	3.38 J	NA
ISOPROPYL ALCOHOL (ppm)	30.0 U	NA	NA	NA	NA	NA	NA	NA

TABLE 2 (Continued)

Analyte	Sample No.: MW-B1B Lab ID: 8723 A	MW-B2 8723 D	MW-B4 8698 A	MW-B5 8709 A	MW-B6 8723 C	MW-C1 8709 D	MW-E3 8709 C	MW-G1 8698 C
VOLATILE ORGANICS (ug/L)								
Chloromethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	1.9 UJ	2.0 U
Acetone	7.0	46	5.0 U	3.4 UJ	6.0	5.3 U	4.7 UJ	5.0 U
Carbon Disulfide	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6 J	1.0 U
1,1-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cis-1,2-Dichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	2.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Acetate	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0 U	1.0 U	1.0 U	6.3	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chloroethylvinylether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Methyl-2-Pentanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	1.0 U	1.0 U	0.5 M	1.0 U	8.5	1.0 U	1.0 U	1.0 U
Chlorobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	2.0 U	2.0 U	2.0 U	2.0 U	1.6 J	2.0 U	2.0 U	2.0 U
Freon-TF	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
METALS (mg/L)								
Arsenic	0.005	0.009	0.005 U	0.008	0.018	0.007	0.001	0.006
Cadmium	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.003	0.002 U	0.002 U
Chromium	0.005 U	0.038	0.011	0.022	0.005 U	0.005 U	0.005 U	0.005 U
Copper	0.005	0.009	0.012	0.006 U	0.010	0.002 U	0.002 U	0.002 U
Nickel	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Lead	0.001 U	0.003 U	0.002	0.002	0.002 U	0.002	0.001	0.002
Zinc	0.009 UJ	0.012 UJ	0.009 U	0.017 U	0.008 UJ	0.042 U	0.015 U	0.015 U

TABLE 2 (Continued)

Sample No.: / Lab ID: / Analyte	MW-B1B 8723 A	MW-B2 8723 D	MW-B4 8698 A	MW-B5 8709 A	MW-B6 8723 C	MW-C1 8709 D	MW-E3 8709 C	MW-G1 8698 C
SEMIVOLATILE ORGANICS – PAH Only (ug/L)								
Naphthalene	0.040 U	0.084 U	0.095 U	0.12 U	19	0.12 U	0.14 U	0.15 U
2-Methylnaphthalene	0.040 U	0.040 U	0.040 U	0.040 U	7.9	0.040 U	0.12	0.040 U
Acenaphthylene	0.040 U	0.040 U	0.040 U	0.040 U	0.13	0.040 U	0.040 U	0.040 U
Acenaphthene	0.040 U	0.040 U	0.040 U	0.040 U	4.5	0.040 U	0.040 U	0.040 U
Dibenzofuran	0.040 U	0.040 U	0.040 U	0.040 U	2.3	0.040 U	0.040 U	0.040 U
Fluorene	0.040 U	0.040 U	0.040 U	0.040 U	2.4	0.040 U	0.040 U	0.040 U
Phenanthrene	0.040 U	0.040 U	0.040 U	0.040 U	2.8	0.065	0.040 U	0.062
Anthracene	0.040 U	0.040 U	0.040 U	0.040 U	0.87	0.040 U	0.040 U	0.040 U
Fluoranthene	0.040 U	0.040 U	0.040 U	0.040 U	0.85	0.047	0.040 U	0.11
Pyrene	0.040 U	0.040 U	0.040 U	0.040 U	0.85	0.041	0.040 U	0.12
Benzo(a)Anthracene	0.040 U	0.040 U	0.040 U	0.040 U	0.085	0.040 U	0.040 U	0.040 U
Chrysene	0.040 U	0.040 U	0.040 U	0.040 U	0.14	0.040 U	0.040 U	0.082
Benzo(b)Fluoranthene	0.040 U	0.040 U	0.040 U	0.040 U	*	0.040 U	0.040 U	0.098
Benzo(k)Fluoranthene	0.040 U	0.040 U	0.040 U	0.040 U	0.090	0.040 U	0.040 U	0.040 U
Benzo(a)Pyrene	0.040 U	0.040 U	0.040 U	0.040 U	0.043	0.040 U	0.040 U	0.040 U
Indeno(1,2,3-cd)Pyrene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.069
Dibenz(a,h)Anthracene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Benzo(ghi)Perylene	0.040 U	0.040 U	0.040 U	0.040 U	0.020 J	0.040 U	0.040 U	0.071
TOC (mg/L)	2.2	113.4	17.5	78.3	29.4	18.5	16.0	37.9
FORMALDEHYDE (mg/L)	0.30 U	NA	NA	NA	NA	NA	NA	NA
ISOPROPYL ALCOHOL (ppm)	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2 (Continued)

Analyte	Sample No.: MW-G3	MW-G5	MW-H1	MW-H6	MW-H9	MW-H10	(Dup of H10) MW-H100	MW-H11
	Lab ID: 8698 C	8709 B	8723 B	8706 F	8706 B	8706 C	8706 A	8706 D
VOLATILE ORGANICS (ug/L)								
Chloromethane	2.0 U	1000 U	2.0 U	2.0 U	2.0 U	13000 U	10000 U	10000 U
Bromomethane	2.0 U	1000 U	2.0 U	2.0 U	2.0 U	7500 U	6000 U	6000 U
Vinyl Chloride	2.0 U	1000 U	2.0 U	2.0 U	2.0 U	7500 U	6000 U	6000 U
Chloroethane	2.0 U	1000 U	2.0 U	2.0 U	2.0 U	7500 U	6000 U	6000 U
Methylene Chloride	2.0 U	1600	2.0 U	2.6 U	1.7 UJ	7200 U	5600 U	5400 U
Acetone	5.0 U	2200 J	18	6.8 U	39 U	31000 U	29000 U	10000 U
Carbon Disulfide	1.0 U	500 U	1.0 U	1.0 U	1.0 U	5000 U	4000 U	4000 U
1,1-Dichloroethene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	5000 U	4000 U	4000 U
1,1-Dichloroethane	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Trans-1,2-Dichloroethene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Cis-1,2-Dichloroethene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
1,2-Dichloroethene (Total)	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
1,2-Dichloroethane	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
2-Butanone	5.0 U	2500 U	5.0 U	5.0 U	5.0 U	19000 U	15000 U	15000 U
1,1,1-Trichloroethane	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Carbon Tetrachloride	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Vinyl Acetate	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Bromodichloromethane	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Trichlorofluoromethane	2.0 U	1000 U	2.0 U	2.0 U	2.0 U	2500 U	2000 U	2000 U
1,2-Dichloropropane	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Trans-1,3-Dichloropropene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Trichloroethene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Dibromochloromethane	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
1,1,2-Trichloroethane	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Benzene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
cis-1,3-Dichloropropene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
2-Chloroethylvinylether	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Bromoform	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
4-Methyl-2-Pentanone	5.0 U	2500 U	5.0 U	5.0 U	5.0 U	5000 U	4000 U	4000 U
2-Hexanone	5.0 U	2500 U	5.0 U	5.0 U	5.0 U	10000 U	8000 U	8000 U
Tetrachloroethene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
1,1,2,2-Tetrachloroethane	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Toluene	1.0 U	35000	1.0 U	1.0 U	1.0 U	320000	330000	200000
Chlorobenzene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Ethylbenzene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Styrene	1.0 U	500 U	1.0 U	1.0 U	1.0 U	2500 U	2000 U	2000 U
Total Xylenes	2.0 U	1000 U	2.0 U	2.0 U	2.0 U	5000 U	4000 U	4000 U
Freon-TF	2.0 U	1000 U	2.0 U	2.0 U	2.0 U	13000 U	10000 U	10000 U
METALS (mg/L)								
Arsenic	0.003	0.024	0.002 U	0.025 J	0.070 J	0.061 J	0.052 J	0.040 J
Cadmium	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Chromium	0.005 U	0.005 U	0.012	0.094	0.069	0.077	0.075	0.048
Copper	0.003	0.002 U	0.036	0.006	0.006	0.096	0.096	0.007
Nickel	0.01 U	0.01 U	0.01 U	0.01	0.01 U	0.01	0.02	0.01 U
Lead	0.002	0.002	0.003 U	0.001 U	0.004	0.008	0.007	0.002
Zinc	0.006 U	0.009 U	0.011 UJ	0.011 U	0.012 U	0.021 U	0.034 U	0.014 U

TABLE 2 (Continued)

Analyte	Sample No.: MW-G3 Lab ID: 8698 C	MW-G5 8709 B	MW-H1 8723 B	MW-H6 8706 F	MW-H9 8706 B	MW-H10 8706 C	(Dup of H10) MW-H100 8706 A	MW-H11 8706 D
SEMIVOLATILE ORGANICS - PAH Only (ug/L)								
Naphthalene	0.098 U	0.26 U	0.11 U	0.1 U	0.20 U	0.50	0.46	0.73
2-Methylnaphthalene	0.040 U	0.10	0.070	0.040 U	0.23	0.44	0.31	0.61
Acenaphthylene	0.040 U	0.28	0.040 U	0.040 U	0.040 U	0.16	0.23	0.040 U
Acenaphthene	0.040 U	0.11	0.040 U	0.040 U	0.044	1.1	0.86	0.040 U
Dibenzofuran	0.040 U	4.6	0.040 U	0.040 U	0.040 U	4.5	0.63	0.040 U
Fluorene	0.040 U	0.071	0.040 U	0.040 U	0.069	0.45	0.43	0.040 U
Phenanthrene	0.040 U	0.056	0.040 U	0.040 U	0.067	0.11	0.13	0.071
Anthracene	0.040 U	0.14	0.040 U	0.040 U	0.040 U	0.10	0.038 J	0.040 U
Fluoranthene	0.040 U	0.093	0.040 U	0.040 U	0.040 U	0.12	0.12	0.040 U
Pyrene	0.051	0.054	0.040 U	0.040 U	0.051	0.074	0.053	0.040 U
Benzo(a)Anthracene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
Chrysene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.065	0.056	0.040 U
Benzo(b)Fluoranthene	0.045	0.040 U	0.040 U	0.040 U	0.040 U	*	*	0.040 U
Benzo(k)Fluoranthene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.092	0.074	0.040 U
Benzo(a)Pyrene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.17	0.040 U	0.040 U
Indeno(1,2,3-cd)Pyrene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.21	0.097	0.040 U
Dibenz(a,h)Anthracene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.048	0.040 U	0.040 U
Benzo(ghi)Perylene	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.074	0.074	0.040 U
TOC (mg/L)	24.2	23.6	20.0	261.6	318.1	225.0	217.2	192.0
FORMALDEHYDE (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA
ISOPROPYL ALCOHOL (ppm)	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 2 (Continued)

Analyte	Sample No.: SEEP #1 Lab ID: 8641 ARE		SEEP #2 8641 B		SEEP #3 8641 C	
VOLATILE ORGANICS (ug/L)						
Chloromethane	2.0	U	5.0	U	2.0	U
Bromomethane	2.0	U	3.0	U	2.0	U
Vinyl Chloride	2.0	U	3.0	U	2.0	U
Chloroethane	2.0	U	3.0	U	2.0	U
Methylene Chloride	2.0	U	0.9	UJ	2.0	U
Acetone	5.0	U	3.1	M	5.0	U
Carbon Disulfide	1.0	U	2.0	U	1.0	U
1,1-Dichloroethene	1.0	U	2.0	U	1.0	U
1,1-Dichloroethane	1.0	U	1.0	U	1.0	U
Trans-1,2-Dichloroethene	1.0	U	1.0	U	1.0	U
Cis-1,2-Dichloroethene	1.0	U	1.0	U	1.0	U
1,2-Dichloroethene (Total)	NA		NA		NA	
Chloroform	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	1.0	U	1.0	U	1.0	U
2-Butanone	5.0	U	7.5	U	5.0	U
1,1,1-Trichloroethane	1.0	U	1.0	U	1.0	U
Carbon Tetrachloride	1.0	U	1.0	U	1.0	U
Vinyl Acetate	1.0	U	1.0	U	1.0	U
Bromodichloromethane	1.0	U	1.0	U	1.0	U
Trichlorofluoromethane	2.0	U	1.0	U	2.0	U
1,2-Dichloropropane	1.0	U	1.0	U	1.0	U
Trans-1,3-Dichloropropene	1.0	U	1.0	U	1.0	U
Trichloroethene	1.0	U	1.0	U	1.0	U
Dibromochloromethane	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	1.0	U	1.0	U	1.0	U
Benzene	1.0	U	1.0	U	1.0	U
cis-1,3-Dichloropropene	1.0	U	1.0	U	1.0	U
2-Chloroethylvinylether	1.0	U	1.0	U	1.0	U
Bromoform	1.0	U	1.0	U	1.0	U
4-Methyl-2-Pentanone	5.0	U	2.0	U	5.0	U
2-Hexanone	5.0	U	4.0	U	5.0	U
Tetrachloroethene	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	1.0	U	1.0	U	1.0	U
Toluene	1.0	U	1.0	U	1.0	U
Chlorobenzene	1.0	U	1.0	U	1.0	U
Ethylbenzene	1.0	U	1.0	U	1.0	U
Styrene	1.0	U	1.0	U	1.0	U
Total Xylenes	2.0	U	2.0	U	2.0	U
Freon-TF	2.0	U	5.0	U	2.0	U
METALS (mg/L)						
Arsenic	0.003		0.027		0.002	U
Cadmium	0.010	U	0.010	U	0.010	U
Chromium	0.030		0.080		0.030	U
Copper	0.160		0.010		0.010	U
Nickel	0.10	U	0.10	U	0.10	U
Lead	0.012		0.008		0.001	U
Zinc	0.310		0.030	U	0.020	U

TABLE 2 (Continued)

Analyte	Sample No.: SEEP #1 Lab ID: 8641 ARE		SEEP #2 8641 B		SEEP #3 8641 C	
SEMIVOLATILE ORGANICS – PAH Only (ug/L)						
Naphthalene	0.040	U	0.040	U	0.040	U
2-Methylnaphthalene	0.040	U	0.040	U	0.040	U
Acenaphthylene	0.040	U	0.040	U	0.040	U
Acenaphthene	0.040	U	0.040	U	0.040	U
Dibenzofuran	0.040	U	0.040	U	0.040	U
Fluorene	0.040	U	0.040	U	0.040	U
Phenanthrene	0.040		0.055		0.040	U
Anthracene	0.040	U	0.040	U	0.040	U
Fluoranthene	0.040	U	0.085		0.040	U
Pyrene	0.040	U	0.071		0.040	U
Benzo(a)Anthracene	0.040	U	0.040	U	0.040	U
Chrysene	0.040	U	0.035	J	0.040	U
Benzo(b)Fluoranthene	0.040	U	•		0.040	U
Benzo(k)Fluoranthene	0.040	U	0.060		0.040	U
Benzo(a)Pyrene	0.040	U	0.040	U	0.040	U
Indeno(1,2,3-cd)Pyrene	0.040	U	0.040	U	0.040	U
Dibenz(a,h)Anthracene	0.040	U	0.040	U	0.040	U
Benzo(ghi)Perylene	0.040	U	0.040	U	0.040	U
TOC (mg/L)	NA		322.9		25.1	
FORMALDEHYDE (mg/L)	0.61	J	0.23	UJ	0.23	UJ
ISOPROPYL ALCOHOL (ppm)	NA		NA		NA	

TABLE 3
SEDIMENT ANALYTICAL RESULTS
PROJECT V

Sample No.:	SD-J1	SD-J1	SD-J2	SD-J2	SD-J3	SD-J3	SD-J3-Dup (Dup of J3-0.5-1.5)	SD-J4	SD-J4
	0.0-0.5	2.3-3.8	0.0-0.5	2.5-3.5	0.0-0.5	0.5-1.5	10	0.0-0.5	1.5-2.5
Lab ID:	8633 A	8633 B	8633 D	8633 C	8633 E	8633 G	8633 F	8633 H	8633 I
Analyte									
VOLATILE ORGANICS (ug/kg)									
Chloromethane	7.7 U	5.2 U	6.6 U	5.2 U	5.3 U	5.0 U	6.6 U	6.3 U	6.6 U
Bromomethane	4.6 U	3.1 U	4.0 U	3.1 U	3.2 U	3.0 U	3.9 U	3.8 U	4.0 U
Vinyl Chloride	4.6 U	3.1 U	4.0 U	3.1 U	3.2 U	3.0 U	3.9 U	3.8 U	4.0 U
Chloroethane	4.6 U	3.1 U	4.0 U	3.1 U	3.2 U	3.0 U	3.9 U	3.8 U	4.0 U
Methylene Chloride	2.3 UJ	53	2.0 UJ	1.7 UJ	1.6 UJ	1.6 UJ	2.0 UJ	1.7 UJ	1.9 UJ
Acetone	8.4	25	6.5 J	21	3.3 M	7.2	6.6 U	5.4 J	11
Carbon Disulfide	3.1 U	2.1 U	2.7 U	2.1 U	2.1 U	1.0 J	2.6 U	2.5 U	2.6 U
1,1-Dichloroethene	3.1 U	2.1 U	2.7 U	2.1 U	2.1 U	2.0 U	2.6 U	2.5 U	2.6 U
1,1-Dichloroethane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Trans-1,2-Dichloroethene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Cis-1,2-Dichloroethene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Chloroform	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
1,2-Dichloroethane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
2-Butanone	12 U	7.8 U	10 U	7.9 U	8.0 U	7.5 U	9.8 U	9.4 U	9.9 U
1,1,1-Trichloroethane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Carbon Tetrachloride	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Vinyl Acetate	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Bromodichloromethane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Trichlorofluoromethane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
1,2-Dichloropropane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Trans-1,3-Dichloropropene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Trichloroethene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Dibromochloromethane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
1,1,2-Trichloroethane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Benzene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
cis-1,3-Dichloropropene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
2-Chloroethylvinylether	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Bromoform	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
4-Methyl-2-Pentanone	3.1 U	2.1 U	2.7 U	2.1 U	2.1 U	2.0 U	2.6 U	2.5 U	2.6 U
2-Hexanone	6.2 U	4.2 U	5.3 U	4.2 U	4.3 U	4.0 U	5.2 U	5.0 U	5.3 U
Tetrachloroethene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
1,1,2,2-Tetrachloroethane	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Toluene	1.5 U	1.0 U	1.3 U	8.8 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Chlorobenzene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Ethylbenzene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Styrene	1.5 U	1.0 U	1.3 U	1.1 U	1.1 U	1.0 U	1.3 U	1.3 U	1.3 U
Total Xylenes	3.1 U	2.1 U	2.7 U	2.1 U	2.1 U	2.0 U	2.6 U	2.5 U	2.6 U
Freon-TF	7.7 U	5.2 U	6.6 U	5.2 U	5.3 U	5.0 U	6.6 U	6.3 U	6.6 U
Total Metals (mg/kg-dry)									
Antimony	9 R	5 R	7 R	5 R	6 R	8 R	8 R	6 R	6 R
Arsenic	9	7	12	7	13	16	9	12	12
Cadmium	0.6	0.2 U	0.7	0.2 U	0.5	0.5	0.5	0.3	0.5
Chromium	25.9	12.3	26.9	14.5	24.3	30.4	25.0	21.4	32.3
Copper	106	15.6	51.0	13.8	47.0	72.4	48.8	36.2	107
Lead	44	6	39	7	36	32	34	28	24
Mercury	0.35	0.06	0.21	0.06 U	0.13	0.28	0.16	0.16	0.24
Nickel	20	10	21	9	20	23	21	18	22
Silver	0.5 U	0.3 U	0.5	0.3 U	0.4 U	0.5 U	0.5 U	0.3 U	0.4 U
Zinc	235	25.8	114	26.5	109	102	107	90.8	93.9

U = Indicates compound was analyzed for but not detected at the given detection limit.
J = Indicates an estimated value when result is less than specified detection limit.
M = Indicates an estimated value of analyte found and confirmed by analyst but with low spectral match parameters.
R = Results rejected.
NA = Not Analyzed
Freon-TF = 1,1,2-Trichloro-1,2,2-trifluoroethane
* = Reported with Benzo(k)Fluoranthene
file: allseds.wk1;ash 8/29/91

TABLE 3 (Continued)

Sample No.:	SD-J1	SD-J1	SD-J2	SD-J2	SD-J3	SD-J3	(Dup of J3-0.5-1.5) SD-J3-Dup	SD-J4	SD-J4
	0.0-0.5	2.3-3.8	0.0-0.5	2.5-3.5	0.0-0.5	0.5-1.5	10	0.0-0.5	1.5-2.5
Lab ID:	8633 A	8633 B	8633 D	8633 C	8633 E	8633 G	8633 F	8633 H	8633 I
Analyte									
SEMIVOLATILE ORGANICS (ug/kg)									
Phenol	22 J	13 M	24 U	22	22 U	180	20 U	21 U	81
bis(2-Chloroethyl)Ether	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
2-Chlorophenol	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
1,3-Dichlorobenzene	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
1,4-Dichlorobenzene	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
Benzyl Alcohol	25 U	17 U	24 U	17 U	22 U	22 U	22 U	21 U	21 U
1,2-Dichlorobenzene	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
2-Methylphenol	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
bis(2-chloroisopropyl)Ether	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
4-Methylphenol	140	8 U	12 U	8 U	11 U	18	11 U	11 U	14
N-Nitroso-Di-n-Propylamine	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
Hexachloroethane	25 U	17 U	24 U	17 U	22 U	22 U	22 U	21 U	21 U
Nitrobenzene	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
Isophorone	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
2-Nitrophenol	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
2,4-Dimethylphenol	25 U	17 U	24 U	17 U	22 U	22 U	22 U	21 U	21 U
Benzoic Acid	130 U	23 J	120 U	42 J	14 J	300	15 J	110 U	110 U
bis(2-Chloroethoxy)Methane	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
2,4-Dichlorophenol	38 U	25 U	36 U	25 U	33 U	34 U	32 U	32 U	32 U
1,2,4-Trichlorobenzene	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
Naphthalene	11 J	8 U	6 J	8 U	6 J	16	6 J	11 U	9 J
4-Chloroaniline	38 U	25 U	36 U	25 U	33 U	34 U	32 U	32 U	32 U
Hexachlorobutadiene	25 U	17 U	24 U	17 U	22 U	22 U	22 U	21 U	21 U
4-Chloro-3-Methylphenol	25 U	17 U	24 U	17 U	22 U	22 U	22 U	21 U	21 U
2-Methylnaphthalene	5 J	8 U	5 J	8 U	6 J	9 J	6 J	4 J	5 J
Hexachlorocyclopentadiene	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
2,4,6-Trichlorophenol	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
2,4,5-Trichlorophenol	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
2-Chloronaphthalene	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
2-Nitroaniline	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
Dimethyl Phthalate	37	8 U	14	8 U	12	11 U	12	7 J	11 U
Acenaphthylene	13 U	8 U	12 U	8 U	11 U	11 U	3 J	7 J	11 U
3-Nitroaniline	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
Acenaphthene	29	8 U	19	8 U	21	10 M	29	11	5 M
2,4-Dinitrophenol	130 U	83 U	120 U	83 U	110 U	110 U	110 U	110 U	110 U
4-Nitrophenol	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
Dibenzofuran	18 M	8 U	12 J	8 U	17	18	21	8 J	8 M
2,4-Dinitrotoluene	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
2,6-Dinitrotoluene	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
Diethylphthalate	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
4-Chlorophenyl-phenylether	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
Fluorene	28	8 U	17	8 U	23	19	33	16	7 J
4-Nitroaniline	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
4,6-Dinitro-2-Methylphenol	130 U	83 U	120 U	83 U	110 U	110 U	110 U	110 U	110 U
N-Nitrosodiphenylamine(1)	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
4-Bromophenyl-phenylether	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
Hexachlorobenzene	13 U	8 U	12 U	8 U	11 U	11 U	11 U	11 U	11 U
Pentachlorophenol	63 U	42 U	61 U	42 U	15 J	62	54 U	53 U	53 U
Phenanthrene	320	8 U	160	8 U	210	84	320	130	26
Anthracene	110	8 U	38	8 U	51	15	69	42	7 M
Di-n-Butylphthalate	52 MU	12 U	26 MU	7 UJ	17 MU	19 U	6 MU	5 MU	17 U
Fluoranthene	930	8 U	390	8 U	360	80	520	550	33
Pyrene	750	8 U	340	8 U	490	64	470	750	30
Butylbenzylphthalate	33	8 U	21	8 U	28	13	22	14	6 M
3,3'-Dichlorobenzidine	63 U	42 U	61 U	42 U	55 U	56 U	54 U	53 U	53 U
Benzo(a)Anthracene	330	8 U	160	8 U	190	25	210	440	15
bis(2-Ethylhexyl)Phthalate	10000	29 U	290	15 U	230	100	150 U	150 U	41 U
Chrysene	570	8 U	250	8 U	320	42 U	370	550	24 U
Di-n-Octyl Phthalate	350	8 U	31	8 U	27	11 U	29	42	11 U
Benzo(b)Fluoranthene	*	8 U	*	8 U	*	*	*	*	*
Benzo(k)Fluoranthene	910	8 U	390	8 U	430	59	520	660	28
Benzo(a)Pyrene	340	8 U	140	8 U	160	24	200	230	14
Indeno(1,2,3-cd)Pyrene	380	8 U	160	8 U	140	26	160	160	25 M
Dibenz(a,h)Anthracene	83 M	8 U	51 M	8 U	35	11 U	57 M	42	11 M
Benzo(ghi)Perylene	76	8 U	37 M	8 U	38	13 M	37 M	32	18 M

TABLE 3 (Continued)

Analyte	Sample No.:	SD–J1	SD–J1	SD–J2	SD–J2	SD–J3	SD–J3	(Dup of J3–0.5–1.5) SD–J3–Dup	SD–J4	SD–J4
		0.0–0.5	2.3–3.8	0.0–0.5	2.5–3.5	0.0–0.5	0.5–1.5	10	0.0–0.5	1.5–2.5
	Lab ID:	8633 A	8633 B	8633 D	8633 C	8633 E	8633 G	8633 F	8633 H	8633 I
SOLIDS (%)		50.37	79.25	54.77	79.68	60.75	59.00	60.49	63.74	62.73
TOC (% dry wt)		3.1	0.3	2.1	1.7	1.8	3.9	1.8	1.6	2.4
PCBs (ug/kg)										
1016/1242		20 U	20 U	25	20 U	27	30 U	30 U	20 U	20 U
1248		20 U	20 U	20 U	20 U	20 U	140	30 U	20 U	20 U
1254		420	20 U	91	20 U	64	580	68	39	160
1260		100 U	20 U	68	20 U	70	180	73	50 U	57

TABLE 3 (Continued)

Sample No.:	SD-J5	SD-J6	SD-J6	SD-J7	SD-J7	SD-J9	SD-J9
	0.0-0.5	0.0-0.5	2.4-3.4	0.0-0.5	2.5-3.5	0.0-0.5	2.5-3.5
Lab ID:	8633 K	8633 J	8633 L	8633 M	8633 N	8633 O	8633 P
Analyte							
VOLATILE ORGANICS (ug/kg)							
Chloromethane	6.7 U	6.6 U	6.5 U	5.7 U	6.2 U	8.6 U	5.1 U
Bromomethane	4.0 U	4.0 U	3.9 U	3.4 U	3.7 U	5.2 U	3.1 U
Vinyl Chloride	4.0 U	4.0 U	3.9 U	3.4 U	3.7 U	5.2 U	3.1 U
Chloroethane	4.0 U	4.0 U	3.9 U	3.4 U	3.7 U	5.2 U	3.1 U
Methylene Chloride	1.9 UJ	2.1 UJ	2.2 UJ	2.7 U	2.0 UJ	3.0 UJ	2.4 U
Acetone	7.5	8.1	17	4.4 J	79	15	5.8
Carbon Disulfide	2.7 U	2.7 U	2.6 U	2.3 U	2.5 U	3.4 U	2.1 U
1,1-Dichloroethene	2.7 U	2.7 U	2.6 U	2.3 U	2.5 U	3.4 U	2.1 U
1,1-Dichloroethane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Trans-1,2-Dichloroethene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Cis-1,2-Dichloroethene	1.3 U	1.3 U	1.3 J	1.1 U	1.2 U	1.7 U	1.0 U
Chloroform	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
1,2-Dichloroethane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
2-Butanone	10 U	10 U	7.0 J	8.5 U	25	13 U	7.7 U
1,1,1-Trichloroethane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Carbon Tetrachloride	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Vinyl Acetate	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Bromodichloromethane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Trichlorofluoromethane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
1,2-Dichloropropane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Trans-1,3-Dichloropropene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Trichloroethene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Dibromochloromethane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
1,1,2-Trichloroethane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Benzene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
cis-1,3-Dichloropropene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
2-Chloroethylvinylether	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Bromoform	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
4-Methyl-2-Pentanone	2.7 U	2.7 U	2.6 U	2.3 U	2.5 U	3.4 U	2.1 U
2-Hexanone	5.3 U	5.3 U	5.2 U	4.5 U	4.9 U	6.9 U	4.1 U
Tetrachloroethene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
1,1,2,2-Tetrachloroethane	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Toluene	1.3 U	1.3 U	1.3 U	5.7 U	1.1 M	1.7 U	2.5 U
Chlorobenzene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Ethylbenzene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Styrene	1.3 U	1.3 U	1.3 U	1.1 U	1.2 U	1.7 U	1.0 U
Total Xylenes	2.7 U	2.7 U	2.6 U	2.3 U	2.5 U	3.4 U	2.1 U
Freon-TF	6.7 U	6.6 U	6.5 U	5.7 U	6.2 U	8.6 U	5.1 U
Total Metals (mg/kg-dry)							
Antimony	6 R	7 R	7 R	6 R	7 R	8 J	5 R
Arsenic	14	12	18	10	18	17	5 U
Cadmium	0.5	0.3 U	0.6	0.2 U	0.4	0.3 U	0.2 U
Chromium	27.7	23.4	33.8	17.5	32.6	28.6	9.1
Copper	39.5	35.3	59.1	22.7	67.7	33.5	11.9
Lead	31	26	21	14	24	20	3
Mercury	0.17	0.18	0.29	0.08	0.24	0.13	0.04 U
Nickel	23	19	24	15	21	24	9
Silver	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.3 U
Zinc	95.1	88.7	93.9	58.2	94.3	74.0	23.6

TABLE 3 (Continued)

Sample No.:	SD-J5	SD-J6	SD-J6	SD-J7	SD-J7	SD-J9	SD-J9
	0.0-0.5	0.0-0.5	2.4-3.4	0.0-0.5	2.5-3.5	0.0-0.5	2.5-3.5
Lab ID:	8633 K	8633 J	8633 L	8633 M	8633 N	8633 O	8633 P
Analyte							
SEMIVOLATILE ORGANICS (ug/kg)							
Phenol	9 M	6 M	97	110	20 U	20 U	23
bis(2-Chloroethyl)Ether	11 U	11 U	10 U	9 U	10 U	11 U	8 U
2-Chlorophenol	11 U	11 U	10 U	9 U	10 U	11 U	8 U
1,3-Dichlorobenzene	11 U	11 U	10 U	9 U	10 U	11 U	8 U
1,4-Dichlorobenzene	11 U	11 U	10 U	9 U	10 U	11 U	8 U
Benzyl Alcohol	22 U	21 U	21 U	18 U	20 U	23 U	17 U
1,2-Dichlorobenzene	11 U	11 U	10 U	9 U	10 U	11 U	8 U
2-Methylphenol	11 U	11 U	10 U	9 U	10 U	11 U	8 U
bis(2-chloroisopropyl)Ether	11 U	11 U	10 U	9 U	10 U	11 U	8 U
4-Methylphenol	17	11 U	9 M	13 M	10 U	11 U	8 U
N-Nitroso-Di-n-Propylamine	11 U	11 U	10 U	9 U	10 U	11 U	8 U
Hexachloroethane	22 U	21 U	21 U	18 U	20 U	23 U	17 U
Nitrobenzene	11 U	11 U	10 U	9 U	10 U	11 U	8 U
Isophorone	11 U	11 U	10 U	9 U	10 U	11 U	8 U
2-Nitrophenol	56 U	54 U	52 U	46 U	49 U	57 U	42 U
2,4-Dimethylphenol	22 U	21 U	21 U	18 U	20 U	23 U	17 U
Benzoic Acid	110 U	110 U	300	260	23 J	15 J	83 U
bis(2-Chloroethoxy)Methane	11 U	11 U	10 U	9 U	10 U	11 U	8 U
2,4-Dichlorophenol	34 U	32 U	31 U	28 U	30 U	34 U	25 U
1,2,4-Trichlorobenzene	11 U	11 U	10 U	9 U	10 U	11 U	8 U
Naphthalene	10 J	6 J	81	9	5 J	5 J	8 U
4-Chloroaniline	34 U	32 U	31 U	28 U	30 U	34 U	25 U
Hexachlorobutadiene	22 U	21 U	21 U	18 U	20 U	23 U	17 U
4-Chloro-3-Methylphenol	22 U	21 U	21 U	18 U	20 U	23 U	17 U
2-Methylnaphthalene	7 J	5 J	9 J	7 J	3 M	4 M	8 U
Hexachlorocyclopentadiene	56 U	54 U	52 U	46 U	49 U	57 U	42 U
2,4,6-Trichlorophenol	56 U	54 U	52 U	46 U	49 U	57 U	42 U
2,4,5-Trichlorophenol	56 U	54 U	52 U	46 U	49 U	57 U	42 U
2-Chloronaphthalene	11 U	11 U	10 U	9 U	10 U	11 U	8 U
2-Nitroaniline	56 U	54 U	52 U	46 U	49 U	57 U	42 U
Dimethyl Phthalate	7 M	8 M	10 U	9 U	5 J	4 M	8 U
Acenaphthylene	11 U	11 J	10 U	9 U	10 U	11 U	8 U
3-Nitroaniline	56 U	54 U	52 U	46 U	49 U	57 U	42 U
Acenaphthene	35	37	7 J	9 U	10	6 J	8 U
2,4-Dinitrophenol	110 U	110 U	100 U	90 U	100 U	110 U	83 U
4-Nitrophenol	56 U	54 U	52 U	46 U	49 U	57 U	42 U
Dibenzofuran	17	19	7 J	9 U	8 J	7 J	8 U
2,4-Dinitrotoluene	56 U	54 U	52 U	46 U	49 U	57 U	42 U
2,6-Dinitrotoluene	56 U	54 U	52 U	46 U	49 U	57 U	42 U
Diethylphthalate	11 U	11 U	10 U	9 U	10 U	11 U	8 U
4-Chlorophenyl-phenylether	11 U	11 U	10 U	9 U	10 U	11 U	8 U
Fluorene	24	31	6 M	7 J	12	10 J	8 U
4-Nitroaniline	56 U	54 U	52 U	46 U	49 U	57 U	42 U
4,6-Dinitro-2-Methylphenol	110 U	110 U	100 U	90 U	100 U	110 U	83 U
N-Nitrosodiphenylamine(1)	11 U	11 U	10 U	9 U	10 U	11 U	8 U
4-Bromophenyl-phenylether	11 U	11 U	10 U	9 U	10 U	11 U	8 U
Hexachlorobenzene	11 U	11 U	10 U	9 U	10 U	11 U	8 U
Pentachlorophenol	56 U	54 U	52 U	46 U	49 U	57 U	42 U
Phenanthrene	110	360	34	30	120	130	8 U
Anthracene	43	75	9 J	5 M	31	23	8 U
Di-n-Butylphthalate	17 U	11 U	18 U	9 U	4 M	8 UJ	5 UJ
Fluoranthene	350	890	35	28	210	170	8 U
Pyrene	240	610	31	28	180	140	8 U
Butylbenzylphthalate	19	12 M	10 U	9 U	6 J	10 J	8 U
3,3'-Dichlorobenzidine	56 U	54 U	52 U	46 U	49 U	57 U	42 U
Benzo(a)Anthracene	140	510	18	14	81	67	8 U
bis(2-Ethylhexyl)Phthalate	170 U	110 U	47 U	24 U	110 U	130 U	12 U
Chrysene	230	800	31 U	24 U	130	120	8 U
Di-n-Octyl Phthalate	19 M	11 M	10 U	9 U	8 M	7 M	8 U
Benzo(b)Fluoranthene	*	*	*	*	*	*	8 U
Benzo(k)Fluoranthene	300	890	30	30 M	170	180	8 U
Benzo(a)Pyrene	110	280	12	14 M	65	68	8 U
Indeno(1,2,3-cd)Pyrene	80	190	19	29	57	66	8 U
Dibenz(a,h)Anthracene	22	55	10 U	17 M	15 M	16 M	8 U
Benzo(ghi)Perylene	19	32	10 U	13 M	12 M	16 M	8 U

TABLE 3 (Continued)

Sample No.:	SD–J5	SD–J6	SD–J6	SD–J7	SD–J7	SD–J9	SD–J9
	0.0–0.5	0.0–0.5	2.4–3.4	0.0–0.5	2.5–3.5	0.0–0.5	2.5–3.5
Lab ID:	8633 K	8633 J	8633 L	8633 M	8633 N	8633 O	8633 P
Analyte							
SOLIDS (%)	61.01	62.15	64.26	71.18	66.75	53.15	82.28
TOC (% dry wt)	2.2	2.0	2.9	1.4	2.4	2.4	0.1
PCBs (ug/kg)							
1016/1242	25 U	20 U	20 U	20 U	20 U	20 U	20 U
1248	92	25 U	20 U	20 U	20 U	20 U	20 U
1254	150	55	35	12 J	36	30 U	20 U
1260	77	30 U	26	20 U	24	30 U	20 U

TABLE 4
NORMALIZED MARINE SEDIMENT RESULTS FOR EVALUATIONS USING WAC 173-204

Sample No.	SD-J1	SD-J1	SD-J2	SD-J2	SD-J3	SD-J3	(Dup of J3-0.0-1.5) SD-J3-Dup	SD-J4	SD-J4
	0.0-0.5	2.3-3.8	0.0-0.5	2.5-3.5	0.0-0.5	0.5-1.5	10	0.0-0.5	1.5-2.5
Lab ID	8633 A	8633 B	8633 D	8633 C	8633 E	8633 G	8633 F	8633 H	8633 I
Analyte									
TOC (dry wt, mg/kg)									
(Decimal fraction)	0.031	0.003	0.021	0.017	0.018	0.039	0.018	0.016	0.024
SEMIVOLATILE ORGANICS (ug/kg)									
1,4-Dichlorobenzene	0.419 U	2.667 U	0.571 U	0.471 U	0.611 U	0.282 U	0.611 U	0.688 U	0.458 U
1,2-Dichlorobenzene	0.419 U	2.667 U	0.571 U	0.471 U	0.611 U	0.282 U	0.611 U	0.688 U	0.458 U
1,2,4-Trichlorobenzene	0.419 U	2.667 U	0.571 U	0.471 U	0.611 U	0.282 U	0.611 U	0.688 U	0.458 U
LPAH									
Naphthalene	0.355 J	2.667 U	0.286 J	0.471 U	0.333 J	0.410	0.333 J	0.688 U	0.375 J
Hexachlorobutadiene	0.806 U	5.667 U	1.143 U	1.000 U	1.222 U	0.564 U	1.222 U	1.313 U	0.875 U
2-Methylnaphthalene	0.161 J	2.667 U	0.238 J	0.471 U	0.333 J	0.231 J	0.333 J	0.250 J	0.208 J
Dimethyl Phthalate	1.194	2.667 U	0.667	0.471 U	0.667	0.282 U	0.667	0.438 J	0.458 U
Acenaphthylene	0.419 U	2.667 U	0.571 U	0.471 U	0.611 U	0.282 U	0.167 J	0.438 J	0.458 U
Acenaphthene	0.935	2.667 U	0.905	0.471 U	1.167	0.256 M	1.611	0.688	0.208 M
Dibenzofuran	0.581 M	2.667 U	0.571 J	0.471 U	0.944	0.462	1.167	0.500 J	0.333 M
Diethylphthalate	0.419 U	2.667 U	0.571 U	0.471 U	0.611 U	0.282 U	0.611 U	0.688 U	0.458 U
Fluorene	0.903	2.667 U	0.810	0.471 U	1.278	0.487	1.833	1.000	0.292 J
Hexachlorobenzene	0.419 U	2.667 U	0.571 U	0.471 U	0.611 U	0.282 U	0.611 U	0.688 U	0.458 U
Phenanthrene	10.323	2.667 U	7.619	0.471 U	11.667	2.154	17.778	8.125	1.083
Anthracene	3.548	2.667 U	1.810	0.471 U	2.833	0.385	3.833	2.625	0.292 M
Di-n-Butylphthalate	1.677 U	4.000 U	1.238 U	0.412 UJ	0.944 U	0.487 U	0.333 U	0.313 U	0.708 U
HPAH									
Fluoranthene	30.000	2.667 U	18.571	0.471 U	20.000	2.051	28.889	34.375	1.375
Pyrene	24.194	2.667 U	16.190	0.471 U	27.222	1.641	26.111	46.875	1.250
Butylbenzylphthalate	1.065	2.667 U	1.000	0.471 U	1.556	0.333	1.222	0.875	0.250 M
Benzo(a)Anthracene	10.645	2.667 U	7.619	0.471 U	10.556	0.641	11.667	27.500	0.625
bis(2-Ethylhexyl)Phthalate	322.581	9.667 U	13.810	0.882 U	12.778	2.564	8.333 U	9.375 U	1.708 U
Chrysene	18.387	2.667 U	11.905	0.471 U	17.778	1.077	20.556	34.375	1.000
Di-n-Octyl Phthalate	11.290	2.667 U	1.476	0.471 U	1.500	0.282 U	1.611	2.625	0.458 U
Benzo(b)Fluoranthene	0.000	2.667 U	0.000	0.471 U	0.000	0.000	0.000	0.000	0.000
Benzo(k)Fluoranthene	29.355	2.667 U	18.571	0.471 U	23.889	1.513	28.889	41.250	1.167
Benzo(a)Pyrene	10.968	2.667 U	6.667	0.471 U	8.889	0.615	11.111	14.375	0.583
Indeno(1,2,3-cd)Pyrene	12.258	2.667 U	7.619	0.471 U	7.778	0.667	8.889	10.000	1.042 M
Dibenz(a,h)Anthracene	2.677 M	2.667 U	2.429 M	0.471 U	1.944	0.282 U	3.167 M	2.625	0.458 M
Benzo(ghi)Perylene	2.452	2.667 U	1.762 M	0.471 U	2.111	0.333 M	2.056 M	2.000	0.750 M
Total PCB	13.5	26.6 U	8.8	4.7 U	8.9 U	23.1	7.8	2.4	9.0

U = Indicates compound was analyzed for but not detected at the given detection limit.
J = Indicates an estimated value when result is less than specified detection limit.
M = Indicates an estimated value of analyte found and confirmed by analyst but with low spectral match parameters.
* Reported with Benzo(k)Fluoranthene

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TABLE 4 (Continued)

Sample No.	SD-J5	SD-J6	SD-J6	SD-J7	SD-J7	SD-J9	SD-J9
	0.0-0.5	0.0-0.5	2.4-3.4	0.0-0.5	2.5-3.5	0.0-0.5	2.5-3.5
Lab ID	8633 K	8633 J	8633 L	8633 M	8633 N	8633 O	8633 P
Analyte							
TOC (dry wt, mg/kg)							
(Decimal fraction)	0.022	0.02	0.029	0.014	0.024	0.024	0.001
SEMIVOLATILE ORGANICS (ug/kg)							
1,4-Dichlorobenzene	0.500 U	0.550 U	0.345 U	0.643 U	0.417 U	0.458 U	8.000 U
1,2-Dichlorobenzene	0.500 U	0.550 U	0.345 U	0.643 U	0.417 U	0.458 U	8.000 U
1,2,4-Trichlorobenzene	0.500 U	0.550 U	0.345 U	0.643 U	0.417 U	0.458 U	8.000 U
LPAH							
Naphthalene	0.455 J	0.300 J	2.793	0.643	0.208 J	0.208 J	8.000 U
Hexachlorobutadiene	1.000 U	1.050 U	0.724 U	1.286 U	0.833 U	0.958 U	17.000 U
2-Methylnaphthalene	0.318 J	0.250 J	0.310 J	0.500 J	0.125 M	0.167 M	8.000 U
Dimethyl Phthalate	0.318 M	0.400 M	0.345 U	0.643 U	0.208 J	0.167 M	8.000 U
Acenaphthylene	0.500 U	0.550 J	0.345 U	0.643 U	0.417 U	0.458 U	8.000 U
Acenaphthene	1.591	1.850	0.241 J	0.643 U	0.417	0.250 J	8.000 U
Dibenzofuran	0.773	0.950	0.241 J	0.643 U	0.333 J	0.292 J	8.000 U
Diethylphthalate	0.500 U	0.550 U	0.345 U	0.643 U	0.417 U	0.458 U	8.000 U
Fluorene	1.091	1.550	0.207 M	0.500 J	0.500	0.417 J	8.000 U
Hexachlorobenzene	0.500 U	0.550 U	0.345 U	0.643 U	0.417 U	0.458 U	8.000 U
Phenanthrene	5.000	18.000	1.172	2.143	5.000	5.417	8.000 U
Anthracene	1.955	3.750	0.310 J	0.357 M	1.292	0.958	8.000 U
Di-n-Butylphthalate	0.773 U	0.550 U	0.621 U	0.643 U	0.167 U	0.333 UJ	5.000 UJ
HPAH							
Fluoranthene	15.909	44.500	1.207	2.000	8.750	7.083	8.000 U
Pyrene	10.909	30.500	1.069	2.000	7.500	5.833	8.000 U
Butylbenzylphthalate	0.864	0.600 M	0.345 U	0.643 U	0.250 J	0.417 J	8.000 U
Benzo(a)Anthracene	6.364	25.500	0.621	1.000	3.375	2.792	8.000 U
bis(2-Ethylhexyl)Phthalate	7.727 U	5.500 U	1.621 U	1.714 U	4.583 U	5.417 U	12.000 U
Chrysene	10.455	40.000	1.069	1.714	5.417	5.000	8.000 U
Di-n-Octyl Phthalate	0.864 M	0.550 M	0.345 U	0.643 U	0.333 M	0.292 M	8.000 U
Benzo(b)Fluoranthene	0.000	0.000	0.000	0.000	0.000	0.000	8.000 U
Benzo(k)Fluoranthene	13.636	44.500	1.034	2.143 M	7.083	7.500	8.000 U
Benzo(a)Pyrene	5.000	14.000	0.414	1.000 M	2.708	2.833	8.000 U
Indeno(1,2,3-cd)Pyrene	3.636	9.500	0.655	2.071	2.375	2.750	8.000 U
Dibenz(a,h)Anthracene	1.000	2.750	0.345 U	1.214 M	0.625 M	0.667 M	8.000 U
Benzo(ghi)Perylene	0.864	1.600	0.345 U	1.286 M	0.500 M	0.667 M	8.000 U
Total PCB	14.5	2.7	2.1	0.8	2.5	4.2	80 U

APPENDIX G

Laboratory Data Validation

APPENDIX G
LABORATORY DATA VALIDATION

INTRODUCTION

This Appendix summarizes the laboratory data validation conducted for this project. Collection and analysis of soil, sediments, and water samples were conducted from June through July 1991, in accordance with the Draft Initial Site Evaluation and Proposed Investigation Report (Landau Associates 1991) and SW-846 Test Methods for Evaluating Solid Waste (EPA 1986). The quality assurance/quality control (QA/QC) review was performed using Laboratory Data Functional Guidelines for Evaluating Organic and Inorganic Analyses (EPA 1988 a,b) and EPA Contract Laboratory Program Statement of Work for Organic and Inorganic Analyses, Multi-Media, Multi Concentration (EPA 1988c, 1987). Data qualifiers were assigned following Laboratory Data Functional Guidelines for Evaluating Organic and Inorganic Analyses (EPA 1988 a,b) and are summarized in Tables G-1, G-2, and G-3.

The validation for all matrices [water (groundwater and seeps), soil, and sediments] considered the following elements:

- Holding times
- Detection limits
- Surrogate spike recoveries
- Matrix spike results
- Blank analysis results
- Duplicate analysis results.

The results of this data validation are presented by matrix in the sections below.

GROUNDWATER AND SEEP SAMPLES

Thirty-two groundwater and three seep samples were submitted to the laboratory [Analytical Resources, Inc. (ARI)] for analysis of dissolved metals, volatile organic (VOA) compounds, and polynuclear aromatic hydrocarbons (PAH). Selected samples were also tested for isopropyl alcohol, formaldehyde, and total organic carbon (TOC).

Holding Times

Based upon review of the laboratory data sheets and chain-of-custody records, all samples were received in good condition. Holding times prior to extraction, where appropriate, and analysis of water samples for metals, TOC, formaldehyde, isopropyl alcohol, VOAs, and PAH were met for all samples.

Detection Limits

Detection limits were at least as low as those specified in the Proposed Investigation Report for metals, TOC, isopropyl alcohol, formaldehyde, VOAs, and PAH for undiluted samples. Detection limits reported by the laboratory for diluted samples were adjusted by the same factor as the sample was diluted.

Surrogate Spike Recoveries

Surrogate spike recoveries for VOAs and PAH were reviewed and evaluated for adherence to the control limits specified in the Proposed Investigation Report and by the laboratory if not specified in the Proposed Investigation Report. All recoveries were reported within control limits for VOAs and PAH.

Matrix Spike Results

Matrix spike (MS) recoveries and the relative percent difference (RPD) between matrix spike duplicates (MSD) were reported for VOA and PAH analyses. Matrix spikes and laboratory duplicates were reported for metals, formaldehyde, and TOC. All MS/MSD recoveries and RPDs were reported within the control limits for the VOA and PAH analyses except for the recovery of acenaphthene in one MSD, however no qualifiers were assigned on this basis alone. The spike recoveries for metals, TOC, and formaldehyde were reported within the control limits specified in the Proposed Investigation Report or by the laboratory, except for the following. The percent recovery of arsenic (126 percent) in the spiked sample associated with samples MW-A2, A4, H6, H9, H10, H100, and H11 was reported outside the control limit. In accordance with the Functional Guidelines, since the recovery for arsenic was outside the 75-125 percent control limit, sample results reported above the detection limit have been qualified as estimated detects, "J". Arsenic results reported below the detection limit are acceptable without further qualification. The percent recovery in the spiked formaldehyde sample associated with samples MW-A9 and Seeps 1, 2, and 3 was reported below the laboratory advisory limits (80-120 percent).

This indicates possible matrix interferences and that sample results may be biased low. Therefore, sample results should be qualified as estimated detects, "J", or non-detects, "UJ", accordingly. All other recoveries were reported within the control limits (see Table G-1).

Blank Analysis Results

Analytical results for at least one method blank were reported by the laboratory for each method of analysis. Laboratory blanks were reported as undetected for TOC, formaldehyde, isopropyl alcohol, and all metals except for cadmium, copper, lead, and zinc. Cadmium, copper, and lead were detected in the method blanks associated with selected samples and zinc was detected in all method blanks. In accordance with the Functional Guidelines, the metals data should be qualified as undetected if greater than the detection limit but less than 5 times the method blank concentration. The concentrations of cadmium in samples MW-A2 and A9, and copper in samples MW-B5 and B1A were less than 5 times the blank concentration; therefore the results have been qualified as undetected, "U". The sample concentrations of lead and zinc were less than 5 times the method blank concentrations for those samples listed in Table G-1. All other sample results for these analytes were either greater than 5 times the blank concentrations or already qualified as undetected (see Table G-1).

Laboratory method blanks were reported for all VOA. Methylene chloride and acetone were reported at low levels in method blanks associated with many of the water samples. Samples associated with contaminated blanks and with methylene chloride or acetone concentrations reported above the detection limit were qualified as undetected, "U" if less than 10 times the blank concentration, as described for common laboratory contaminants in the Functional Guidelines. If sample concentrations were reported below the detection limit (flagged "J" by the laboratory) and at levels less than 10 times the blank concentration, the results were qualified as undetected with the detection limit estimated, "UJ" (see Table G-1).

Laboratory method blanks were reported for all PAH analyses. Naphthalene, indeno(1,2,3-cd)pyrene, benzo(ghi)perylene, benzo(k)fluoranthene, and dibenz(a,h)anthracene were reported at low levels in several method blanks associated with water samples. Samples associated with these contaminated blanks and with analyte concentrations reported above the detection limit were qualified as undetected, "U" if less than 5 times the blank concentration as described in the Functional Guidelines. If sample concentrations were reported below the detection limit (flagged "J" by the laboratory) and at levels less than 5 times the blank

concentration, the results were qualified as undetected with the detection limit estimated, "UJ" (see Table G-1).

Duplicate Results

Two blind field duplicates were submitted to the laboratory for analysis. The analytical results and calculated RPD between duplicate results for detected analytes are presented in Table G-4. The RPDs for the dissolved metals, TOC, VOAs, and PAH, except for those discussed below, were all either less than 20 percent or within +/- 1 times the detection limit for results less than 5 times the detection limit. The RPDs calculated for 2-methylnaphthalene, acenaphthylene, acenaphthene, and dibenzofuran in duplicate samples MW-H10 and MW-H100 were outside the acceptance criteria, indicating poor precision in either the collection or analysis of these samples, spatial variability, or sample inhomogeneity. There are no requirements for qualifying data as a result of poor precision in field duplicates, however this lack of precision should be taken into consideration during data evaluation.

Analytical results for at least one laboratory duplicate were reported for each of the following methods of analysis: metals, formaldehyde, and TOC. All results except zinc in one of the metals duplicates, were reported with RPDs less than 20 percent or within +/- 1 times the detection limit. Zinc results for samples MW-B1B, B2, B6, and H1 were qualified as estimated, "J", since the RPD in the associated laboratory blank was reported outside the acceptance criteria. RPDs were not calculated if the analytes were undetected; however, the correspondence of non-detects indicates that the precision is satisfactory.

SOIL SAMPLES

Two hundred fifty-seven soil samples were submitted to the laboratory for analyses of total metals, VOAs, and SVOAs. Selected samples were also analyzed for PCBs and isopropyl alcohol.

Holding Times

Based upon review of the laboratory data sheets and chain-of-custody records, all samples were received in good condition. Holding times prior to extraction, where appropriate, and analyses of soil samples for metals, VOAs, SVOAs, isopropyl alcohol, and PCBs were met for all samples.

Detection Limits

Detection limits were at least as low as those specified in the Proposed Investigation Report for metals, isopropyl alcohol, VOAs, SVOAs and PCBs for undiluted samples. Detection limits reported by the laboratory for diluted samples were adjusted by the same factor as the sample was diluted.

Surrogate Spike Recoveries

Surrogate spike recoveries for VOAs, SVOAs, and PCBs were reviewed and evaluated for adherence to the control limits specified in the Proposed Investigation Report and by the laboratory if not specified in the Proposed Investigation Report. All recoveries were reported within control limits for PCBs. The recoveries of 1,2-dichloroethane-d4 and d8-toluene in samples MW-A9-7.5 and B4-2.5, respectively were reported outside the specified control limits for VOAs. In accordance with the Functional Guidelines, since one surrogate spiking compound was reported outside the control limit in the volatile fraction, the results for these samples have been qualified as estimated detected, "J" or as undetected with the detection limit estimated, "UJ".

Several samples reported one surrogate compound outside the specified control limits in the semivolatile fraction. In accordance with the Functional Guidelines, at least two surrogate spiking compounds in the semivolatile fraction need to be reported outside the control limit before data qualifiers are necessary. Samples BN-G5-11.5 and MW-G5-13.0 each reported two surrogate compounds outside the control limits. Accordingly, the results for these samples have been qualified as estimated detected, "J" or as undetected with the detection limit estimated, "UJ" (see Table G-2).

Matrix Spike Results

Matrix spike (MS) recoveries and the RPD between matrix spike duplicates (MSD) were reported for VOA, SVOA, and PCB analyses. Matrix spikes and laboratory duplicates were reported for metals and TOC. MS/MSD recoveries and RPDs were reported within the control limits for VOA, PCB, and SVOA except the following.

MS/MSD recoveries and RPDs for several spiking compounds in the SVOA analyses were reported outside the control limits for several groups of samples. The MSD recovery of pentachlorophenol and the RPD for 1,2,4-trichlorobenzene associated with samples BN-F2, BN-G1 through G7, and BN-H9 and the recovery of phenol (only slightly above the control limit)

in the MS and MSD associated with samples BN-G8 through G10, MW-H1, and MW-H5 through H8 were reported outside the control limits for the SVOA analyses, but no qualifiers were assigned since a second MS/MSD pair, also associated with these samples, reported the recoveries and RPDs for all spiking compounds within the control limits. The MS and MSD recoveries of 2-chlorophenol and 2,4-dinitrotoluene in two MS/MSD pairs and of 4-nitrophenol in one of these pairs associated with samples BN-A6, A7, B1, B2, B5, B7, B8, B10, and B11 were reported outside the specified control limits. Although these spiking compounds were outside the control limits, it does not appear that the sample results were affected in any manner. Therefore it is the reviewer's judgment that no qualifiers be assigned.

The recoveries and RPDs of toluene were reported at levels above the specified control limits in several of the MS/MSD VOA samples associated with many of the soil samples. This could indicate that the sample results are biased high. Detected toluene results in samples associated with these MS/MSD samples should be qualified as estimated, "J". Undetected results are acceptable without further qualification (see Table G-2).

The percent recovery of copper (168.9 percent) in the spiked sample associated with several samples (Table G-2) was reported outside the specified control limit. In accordance with the Functional Guidelines, since the recovery for copper was above 125 percent, sample results reported above the detection limit should be qualified as estimated detects, "J". Sample results reported below the detection limit are acceptable without further qualification. Since a second MS was analyzed and the recovery of copper was reported within the control limit, the copper results were not qualified.

Reference Standard

Certified reference standards were analyzed with the metals. The reported metals concentrations were all within the advisory limits of the certified values.

Blank Analysis Results

Analytical results for at least one method blank were reported by the laboratory for each method of analysis. Laboratory blanks were reported as undetected for all SVOAs, VOAs, and metals except for the following: aluminum, barium, cadmium, calcium, copper, iron, molybdenum, potassium, and zinc which were detected in the metals method blank. In accordance with the Functional Guidelines, metals data should be qualified as undetected if sample concentrations are greater than the detection limit but less than 5 times the method blank

concentration. The sample concentrations of all detected metals except cadmium and molybdenum were either greater than 5 times the blank concentration or were already undetected, therefore no qualification was necessary for these metals. Several samples (Table G-2) reported cadmium and molybdenum at levels less than 5 times the blank concentration. These results were qualified as undetected, "U" (Table G-2).

Laboratory method blanks were reported for all VOA. Bromoform and 1,1,2,2-tetrachloroethane were detected in the method blanks associated with several samples, however, these analytes were reported as undetected in the samples and no qualification was necessary. Methylene chloride and acetone were reported at low levels in method blanks associated with many of the soil samples. Samples associated with contaminated blanks and with methylene chloride or acetone concentrations reported above the detection limit were qualified as undetected, "U", if less than 10 times the blank concentrations, as described for common laboratory contaminants in the Functional Guidelines. If sample concentrations were reported below the detection limit (flagged "J" by the laboratory) and at levels less than 10 times the blank concentration, the results were qualified as undetected with the detection limit estimated, "UJ" (see Table G-2).

Laboratory method blanks were reported for SVOA analyses. Pyrene, benzo(a)anthracene, chrysene, di-n-butylphthalate and bis(2-ethylhexyl)phthalate were reported in the method blanks associated with some of the soil samples. Samples with phthalate concentrations reported above the detection limit were qualified as undetected, "U", if less than 10 times the blank concentration as described in the Functional Guidelines for common phthalate esters. If sample concentrations were reported below the detection limit and at levels less than 10 times the blank concentration, the results were qualified as undetected with the detection limit estimated, "UJ". The data qualifiers are summarized in Table G-2. Sample concentrations of pyrene, benzo(a)anthracene, and chrysene reported above the detection limit were qualified as undetected, "U", if less than 5 times the blank concentration as described in the Functional Guidelines. If sample concentrations were reported below the detection limit and at levels less than 5 times the blank concentration, the results were qualified as undetected with the detection limit estimated, "UJ". Since concentrations of these analytes were either greater than 5 times the blank concentration or were already reported as undetected, no qualification was necessary.

Duplicate Results

Nine blind field duplicates were submitted to the laboratory for analyses. The analytical results and calculated RPD between duplicate results for detected analytes are presented in Table G-5. RPDs were not calculated if the analytes were undetected; however, the correspondence of non-detects indicates that the precision is satisfactory. The RPDs for the total metals and SVOAs were all less than 35 percent, within +/- 2 times the detection limit for results less than 5 times the detection limit, or were reported as undetected for one of the two samples. Many of the RPDs calculated for the VOAs were outside the control limits, indicating poor precision in either the collection or analyses of these samples, spatial variability, or sample inhomogeneity. There are no requirements for qualifying data as a result of poor precision in field duplicates, however this lack of precision should be taken into consideration during data evaluation.

Analytical results for at least one laboratory duplicate were reported for metals. All results were reported with RPDs less than 35 percent or within +/- 2 times the detection limit. RPDs were not calculated if the analytes were undetected; however, the correspondence of non-detects indicates that the precision is satisfactory.

SEDIMENT SAMPLES

Sixteen sediment samples were submitted to the laboratory for analyses of total metals, solids, TOC, VOAs, SVOAs, and PCBs.

Holding Times

Based upon review of the laboratory data sheets and chain-of-custody records, all samples were received in good condition. Holding times prior to extraction, where appropriate, and analysis of sediment samples for metals, solids, TOC, VOAs, SVOAs, and PCBs were met for all samples.

Detection Limits

Detection limits were at least as low as those specified in the Proposed Investigation Report for metals, VOAs, SVOAs and PCBs for undiluted samples. Detection limits reported by the laboratory for diluted samples were adjusted by the same factor as the sample was diluted.

Surrogate Spike Recoveries

Surrogate spike recoveries for VOAs, SVOAs, and PCBs were reviewed and evaluated for adherence to the control limits specified in the Proposed Investigation Report and by the laboratory if not specified in the Proposed Investigation Report. All recoveries were reported within control limits for VOAs and PCBs. The recoveries of d5-phenol in two samples and 2,4,6-tribromophenol in one sample were reported outside the specified control limits. However, in accordance with the Functional Guidelines, no qualifiers were necessary since only one surrogate spiking compound was reported outside the control limit in each sample. At least two surrogate compounds in a semivolatile analysis must be reported outside the control limits before a data qualifier needs to be assigned.

Matrix Spike Results

Matrix spike (MS) recoveries and the RPD between matrix spike duplicates (MSD) were reported for VOA, SVOA, and PCB analyses. Matrix spikes and laboratory duplicates were reported for metals and TOC. All MS/MSD recoveries were reported within the control limits for the VOA, PCB, and SVOA analyses. The RPDs for the VOA and PCB analyses were within the specified control limits. The RPDs for 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and pyrene were reported outside the control limits for the SVOA analyses. This is an indication of poor laboratory precision, but no qualifiers were assigned on this basis. The spike recoveries for TOC were acceptable. The percent recoveries of antimony (26.9 percent) and copper (142.9 percent) in the spiked sample associated with the sediment samples were reported outside the control limit. In accordance with the Functional Guidelines, since the recovery for antimony was below 75 percent, sample results reported above the detection limit have been qualified as estimated detects, "J", and those reported as undetected have been rejected, "R". The high recovery of copper in the spiked sample was the result of spiking a sample with too great a copper concentration. No copper results were qualified (see Table G-3).

Blank Analysis Results

Analytical results for at least one method blank were reported by the laboratory for each method of analysis. Laboratory blanks were reported as undetected for TOC and all metals except for zinc. In accordance with the Functional Guidelines the metals data should be qualified as undetected if greater than the detection limit but less than 5 times the method blank

concentration. The sample concentrations of zinc were all greater than 5 times the blank concentration, therefore no qualification was necessary.

Laboratory method blanks, trip blanks, and one rinsate blank were analyzed and reported for VOA. Methylene chloride and toluene were reported at low levels in the method blanks and trip blanks, respectively, associated with the sediment samples. Samples with methylene chloride and toluene concentrations reported above the detection limit were qualified as undetected, "U", if less than 10 times the blank concentration, as described for common laboratory contaminants in the Functional Guidelines. If sample concentrations were reported below the detection limit and at levels less than 10 times the blank concentration, the results were qualified as undetected with the detection limit estimated, "UJ". Trichlorofluoromethane was reported at a low level in the rinsate blank, but no qualifiers were necessary since all samples reported this analyte as undetected (see Table G-3).

Laboratory method blanks and trip blanks were reported for PAH analyses. Di-n-butylphthalate and bis(2-ethylhexyl)phthalate were reported in the method blank. Samples with analyte concentrations reported above the detection limit were qualified as undetected, "U", if less than 10 times the blank concentration as described in the Functional Guidelines for common phthalate esters. If sample concentrations were reported below the detection limit and at levels less than 10 times the blank concentration, the results were qualified as undetected with the detection limit estimated, "UJ" (see Table G-3). Pyrene, fluoranthene, chyrsene, and benzo(a)anthracene were reported in the rinsate blank. Samples with concentrations of these analytes reported above the detection limit were qualified as undetected, "U", if less than 5 times the blank concentration as described in the Functional Guidelines. If sample concentrations were reported below the detection limit and at levels less than 5 times the blank concentration, the results were qualified as undetected with the detection limit estimated, "UJ". Concentrations of these analytes in the samples were all either greater than 5 times the blank concentration or already reported as undetected, therefore no qualifiers were necessary.

Duplicate Results

One blind field duplicate was submitted to the laboratory for analyses. The analytical results and calculated RPD between duplicate results for detected analytes are presented in Table G-6. The RPDs for the total metals, TOC, solids, and PAH, except for those discussed below, were all either less than 35 percent or within +/- 2 times the detection limit for results less than 5 times the detection limit. The RPDs calculated for phenanthrene and fluoranthene

in duplicate samples SD-J3-0.0-0.5 and SD-J3-10 were outside the control limits, indicating poor precision in either the collection or analyses of these samples, spatial variability, or sample inhomogeneity. There are no requirements for qualifying data as a result of poor precision in field duplicates, however this lack of precision should be taken into consideration during data evaluation.

Analytical results for at least one laboratory duplicate were reported for each of the following methods of analysis: metals and TOC. All results were reported with RPDs less than 35 percent or within +/- 2 times the detection limit. RPDs were not calculated if the analytes were undetected; however, the correspondence of non-detects indicates that the precision is satisfactory.

CONCLUSIONS

Upon completion of this data validation, the antimony results for all but one sediment sample, identified in Table G-3, are rejected. All other data are acceptable as qualified. Data validation qualifiers have been assigned above and are summarized in Tables G-1 through G-3.

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TABLE G-1
SUMMARY OF DATA VALIDATION QUALIFIERS
GROUNDWATER AND SEEP SAMPLES
PROJECT V

Analyte	Qualifier	Sample No.	Reason
Total Metals			
Arsenic	J	MW-A2,-A4 MW-H6, -H9, -H10, -H11, -H100	- Recovery of matrix spike outside control limits
Cadmium	U	MW-A2, -A9	- Sample concentration within 5 times method blank concentration
Copper	U	MW-B5, -B1A	- Sample concentration within 5 times method blank concentration
Lead	U	Seep #3 MW-B2, -B6 MW-DM1A, -DM1B, -DM2B MW-DM2A, -DM102A MW-DM3B, -DM4, -DM5 MW-DM6, -DM7, -DM8 MW-H1	- Sample concentration within 5 times method blank concentration
Zinc	U	Seep #2 MW-A2, -A4, -A9 MW-B1A, -B5 MW-B1B, -B2 MW-B6, -H1 MW-B4, -G1, -G3 MW-C1, -E3, -G5 MW-DM1A, -DM1B, -DM2B MW-DM2A, -DM102A MW-DM3A, -DM3B, -DM4, -DM5 MW-DM6, -DM7, -DM8 MW-H6, -H9, -H10 MW-H11, -H100	- Sample concentration within 5 times method blank concentration
	J	MW-B1B, -MW-B2 MW-B6, -MW-H1	- Relative percent difference between laboratory duplicates > 20%
Formaldehyde	J, detected UJ, undetected	MW-A9 Seep #1, 2, 3	- Recovery of matrix spike outside control limits
VOAs			
Methylene chloride	U or UJ	Seep #2 MW-B2 MW-B1A, -B5, -E3 MW-C1, -H9 MW-DM2A, -DM102A, -DM5 MW-DM6, -DM7 MW-H6, -H10, -H11, -H100	- Sample concentration within 10 times method blank concentration

TABLE G-1 (Continued)
SUMMARY OF DATA VALIDATION QUALIFIERS
GROUNDWATER AND SEEP SAMPLES
PROJECT V

Analyte	Qualifier	Sample No.	Reason
VOAs (Continued)			
Acetone	U or UJ	MW-B1A, -B5, -E3 MW-C1, DM5 MW-DM2A, -DM102A MW-DM6, -DM7 MW-H6, -H9, -H10, -H100	- Sample concentration within 10 times method blank concentration
PAHs			
Naphthalene	U or UJ	MW-B2, -H1 MW-B1A, -B5 MW-B4, -G1, -G3 MW-C1, -E3, -G5 MW-DM102A, -DM5 MW-DM1A, -DM1B, -DM2B MW-DM4, -DM6, -DM7 MW-DM2A, -DM3A, -DM3B, -DM8 MW-H6 MW-H9, -A2, -A4	- Sample concentration within 5 times method blank concentration
Indeno(1,2,3-cd)pyrene	U	MW-DM2A, -DM3A, -DM102A MW-DM5, -DM8 MW-DM1A, -DM2B MW-DM4, -DM6, -DM7	- Sample concentration within 5 times method blank concentration
Benzo(g,h,i)perylene	U	MW-DM2A, -DM3A, -DM102A, -DM5 MW-DM1A, -DM1B, -DM2B MW-DM4, -DM6, -DM7	- Sample concentration within 5 times method blank concentration
Benzo(k)fluoranthene	U	MW-DM2A, -DM102A, -DM2B, -DM3B MW-DM4, -DM5, -DM6, -DM7	- Sample concentration within 5 times method blank concentration
Dibenz(a,h)anthracene	U	MW-DM5, -DM2B	- Sample concentration within 5 times method blank concentration

TABLE G-2
SUMMARY OF DATA VALIDATION QUALIFIERS
SOIL SAMPLES
PROJECT V

Analyte	Qualifier	Sample No.	Reason
Total Metals			
Cadmium	U	BN-B1-2.5 BN-B8-2.5, -5.0, -7.5, -10.0 BN-B7-5.0	- Sample concentration within 5 times method blank concentration
Molybdenum	U	BN-H8-15.0, -A5-7.5	- Sample concentration within 5 times method blank concentration
VOAs			
All analytes	J, detected UJ, undetected	B4-2.5 MW-A9-7.5	- Recovery of surrogate spike outside control limits
Methylene chloride	U or UJ	MW-A2-2.5, -5.5, -7.5, -10, -15 MW-A9-2.5, -5.0, -10 MW-B6-2.5, -5.0, -7.5, -10, -15 MW-C1-2.5, -5.0, -7.5, -10, -15 MW-E3-2.5, -5.0, -7.5, -10, -15, -75 MW-H1-35, -40, -50, -54 MW-H11-15 BN-A1-5.0, -7.5, -12.5 BN-A3-2.5, -5.0, -12.5 A4-2.5, -5.0, -7.5, -10, -15, -20 BN-A5-2.5, -5.0, -7.5 BN-A6-2.5, -5.0, -7.5, -12.5 BN-A7-2.5, -5.0, -7.5, -12.5 BN-A8-2.5, -5.0, -7.5, -15 BN-B1A-2.5, -5.0, -7.5, -10, -15 BN-B2-2.5, -5.0, -7.5, -10, -15 BN-B3-2.5, -5.0, -7.5, -10 B4-5.0, -7.5, -12.5, -15, -30, -52.5 BN-B5-2.5, -5.0, -7.5, -10, -15 BN-B7-2.5, -5.0, -7.5, -10 BN-B8-2.5, -5.0, -7.5 BN-B9-2.5, -5.0, -7.5 BN-B10-2.5, -5.0, -7.5 BN-B11-2.5, -7.5, -25 BN-B14-2.5, -5.0, -7.5, -10 BN-B1B-30, -50, -95 BN-C2-5.0 BN-D1-5.0 BN-D2-2.5, -5.0, -7.5, -12.5 BN-D4-2.5, -5.0, -7.5, -10 BN-E2-2.5, -5.0, -7.5, -10 BN-F2-2.5, -4.5, -7.5, -11.5 BN-G1-2.5, -5.0, -7.5 BN-G1-10, -15, -20 BN-G2-2.5, -5.0, -7.5, -11.5 BN-G3-2.5, -7.5, -10 BN-G3-15, -20 BN-G4-2.5, -5.0, -7.5, -10	- Sample concentration within 10 times method blank concentration

TABLE G-2 (Continued)
SUMMARY OF DATA VALIDATION QUALIFIERS
SOIL SAMPLES
PROJECT V

Analyte	Qualifier	Sample No.	Reason
VOAs (Continued)			
Methylene chloride	U or UJ	BN-G5-2.5, -5.0, -7.5 BN-G6-2.5, -5.0, -7.5, -13 BN-G7-2.5, -5.0, -7.5, -12.5 BN-G8-2.5, -5.0, -7.5, -11.5 BN-G8-25, -50, -75, -115 BN-G9-2.5, -5.0, -7.5, -11.5 BN-G10-2.5, -4.8, -7.5, -10 BN-H2-2.5, -5.0, -7.5 BN-H3-2.5, -5.0 BN-H4-2.5, -5.0, -7.5, -75, -100 BN-H5-2.5, -5.0, -7.5, -11.5 BN-H6-2.5, -7.5, -11.5, -15 BN-H7-2.5, -5.0, -7.5, -11.5 BN-H8-2.5, -7.5, -11.5 BN-H9-2.5, -5.0, -7.5 BN-H9-10, -15, -20 A4-2.5, -5.0, -7.5, -10, -15, -20	- Sample concentration within 10 times method blank concentration
Acetone	U or UJ	MW-A9-2.5, -7.5, -10, -15 MW-B6-5.0, -10 MW-C1-2.5, -7.5, -10, -15 MW-E3-2.5, -5.0, -7.5, -10, -15, -75 BN-A1-12.5 BN-A3-5.0, -12.5 A4-2.5, -5.0, -7.5, -10, -15, -20 BN-A5-2.5, -5.0 BN-A8-2.5, -5.0, -7.5, -15 BN-B2-5.0 BN-B3-2.5, -5.0, -7.5, -10 BN-B8-7.5 BN-B9-2.5 BN-B13-2.5 BN-B14-2.5, -7.5, -10 BN-B1-30, -50, -95 BN-C2-5.0, -7.5, 10 BN-D1-5.0, -12.5 BN-D2-2.5, -5.0, -7.5, -12.5 BN-D4-2.5, -7.5, -10 BN-E2-2.5, -5.0, -7.5, -10 BN-F1-7.5, 12.5 BN-F2-2.5, -4.5, -7.5, -11.5 BN-G1-10, -15 BN-G1-2.5, -5.0, -7.5 BN-G2-2.5 BN-G3-15, -20 BN-G3-2.5, -7.5, -10	- Sample concentration within 10 times method blank concentration

TABLE G-2 (Continued)
SUMMARY OF DATA VALIDATION QUALIFIERS
SOIL SAMPLES
PROJECT V

Analyte	Qualifier	Sample No.	Reason
VOAs (Continued)			
Acetone	U or UJ	BN-G4-2.5, -10 BN-G7-2.5, -5.0, -7.5, -12.5 BN-G8-2.5, -5.0, -7.5 BN-G9-5.0, -7.5, -11.5 BN-G10-10 BN-H3-10 BN-H4-2.5, -5.0, -7.5, -100 BN-H5-2.5, -11.5 BN-H6-2.5, -7.5, -11.5 BN-H7-2.5, -5.0, -11.5 BN-H8-7.5, -11.5 BN-H9-5.0	- Sample concentration within 10 times method blank concentration
Toluene	J	BN-B2-5.0 BN-B3-2.5, -5.0, -7.5, -10 BN-B7-2.5, -7.5, -10.0 BN-B8-2.5, -5.0, -7.5 BN-B11-7.5 BN-B10-7.5 BN-D1-2.5, -5.0, -12.5 BN-E2-2.5, -5.0, -7.5, -10 BN-F1-5.0, -12.5 BN-H3-2.5, -5.0, -7.5, -10 MW-A9-7.5 MW-B6-5.0,-7.5,-15.0	- Recoveries of matrix spike & spike duplicate outside specified control limit
SVOAs			
All analytes	J, detected UJ, undetected	BN-G5-11.5 MW-G5-13.0	- Recovery of surrogate spike outside control limits
Bis(2-ethylhexyl)phthalate	U	MW-H1-2.5, -20.0, -35.0, -100 BN-G10-10.0 BN-G8-2.5	- Sample concentration within 10 times method blank concentration

TABLE G-3
SUMMARY OF DATA VALIDATION QUALIFIERS
SEDIMENT SAMPLES
PROJECT V

Analyte	Qualifier	Sample No.	Reason
Total Metals			
Antimony	R	All samples except:	– Matrix spike recovery < 75% and results < detection limit
	J	SD–J9–0.0–0.5	– Matrix spike recovery < 75%
VOAs			
Methylene chloride	U or UJ	SD–J1–0.0–0.5	– Sample concentration within 10 times method blank concentration
		SD–J2–0.0–0.5, –2.5–3.5	
		SD–J3–0.0–0.5, –0.5–1.5, –10	
		SD–J4–0.0–0.5, –1.5–2.5	
		SD–J5–0.0–0.5	
		SD–J6–0.0–0.5, –2.4–3.4	
		SD–J7–0.0–0.5, –2.5–3.5	
		SD–J9–0.0–0.5, –2.5–3.5	
		SD–J7–0.0–0.5	
Toluene	U	SD–J2–2.5–3.5	– Sample concentration within 10 times trip blank concentration
		SD–J7–2.5–3.5	
		SD–J9–2.5–3.5	
SVOAs			
Bis(2–ethylhexyl)phthalate	U or UJ	SD–J1–2.3–3.8	– Sample concentration within 10 times method blank concentration
		SD–J2–2.5–3.5	
		SD–J3–10	
		SD–J4–0.0–0.5, –1.5–2.5	
		SD–J5–0.0–0.5	
		SD–J6–0.0–0.5, –2.4–3.4	
		SD–J7–0.0–0.5, –2.5–3.5	
		SD–J9–0.0–0.5, –2.5–3.5	
Di–n–butylphthalate	U or UJ	All samples	– Sample concentration within 10 times method blank concentration

TABLE G-4
WATER CONCENTRATION AND
RELATIVE PERCENT DIFFERENCE (RPD)
FOR COMPOUNDS DETECTED IN FIELD DUPLICATE SAMPLES

ANALTYE	MW-DM2A	MW-DM102A	RPD (a) (%)	MW-H10	MW-H100	RPD (%)
DISSOLVED METALS (ug/L)						
Arsenic	0.0660	0.0720	9	0.061	0.052	16
Chromium	0.2570	0.2380	8	0.077	0.075	3
Copper	0.0440	0.0370	17	0.096	0.096	0
Lead	0.0070 U	0.0040 U	NC (b)	0.008	0.007	13
Nickel	0.0100	0.0200	AL (c)	0.010	0.020	AL
TOC (mg/L)	NA (d)	NA	NC	225.0	217.2	4
VOLATILE ORGANICS (ug/L)						
Toluene	1.1	1.1	0	320000	330000	3
POLYNUCLEAR AROMATIC HYDROCARBONS (ug/L)						
Naphthalene	0.018 UJ	0.023 U	NC	0.5	0.46	8
2-Methylnaphthalene	0.02 U	0.016 J	NC	0.44	0.31	35
Acenaphthylene	0.02 U	0.02 U	NC	0.16	0.23	36
Acenaphthene	0.02 U	0.02 U	NC	1.1	0.86	24
Dibenzofuran	0.02 U	0.02 U	NC	4.5	0.63	151
Fluorene	0.02 U	0.021	NC	0.45	0.43	5
Phenanathrene	0.045	0.045	0	0.11	0.13	17
Anthracene	0.017 J	0.02 U	NC	0.10	0.038 J	AL
Fluoranthene	0.026	0.032	AL	0.12	0.12	0
Pyrene	0.054	0.056	4	0.074	0.053	AL
Benzo(a)anthracene	0.02 U	0.032	NC	0.040 U	0.040 U	NC
Chrysene	0.030	0.033	10	0.065	0.056	15
Benzo(b)fluoranthene	0.02 U	* (e)	NC	*	*	NC
Benzo(k)fluoranthene	0.037 U	0.064 U	NC	0.092	0.074	AL
Benzo(a)pyrene	0.02 U	0.02 U	NC	0.17	0.040 U	NC
Indeno(1,2,3-cd)pyrene	0.040 U	0.042 U	NC	0.21	0.097	AL
Dibenz(a,h)anthracene	0.02 U	0.02 U	NC	0.048	0.040 U	NC
Benzo(ghi)perylene	0.041 U	0.059 U	NC	0.074	0.074	0

(a) RPD = Relative percent difference.
(b) NC = Not calculated if analyte is not detected.
(c) AL = Alternate limit. Control limit becomes +/- the detection limit if sample concentration is less than 5 times the detection limit.
(d) NA = Not analyzed.
(e) * = Benzo(b)fluoranthene and benzo(k)fluoranthene reported as the sum of the two.

TABLE G-5
SOIL CONCENTRATION AND
RELATIVE PERCENT DIFFERENCE (RPD)
FOR COMPOUNDS DETECTED IN FIELD DUPLICATE SAMPLES

ANALTYE	BN-B11-2.5	BN-B11-25	RPD (a) (%)	MW-E3-7.5	MW-E3-75	RPD (%)	BN-G8-2.5	BN-G8-25	RPD (%)
TOTAL METALS (mg/kg)									
Arsenic	5 U	5 U	NC (b)	6.0 U	6.0 U	NC	5	4	NC
Barium	0.2 U	0.2 U	NC	0.2 U	0.2	NC	0.2	0.2	NC
Chroumium	13	13	0	16	21	27	12	8.6	33
Copper	17	18	6	30	37	21	14	16	13
Lead	5.0	5.0	0	8.0	10	22	7	6	15
Nickel	11	11	0	8.0	8.0	0	10	10	0
Zinc	31	32	3	20	23	14	25	26	4
VOLATILE ORGANICS (ug/kg)									
Methylene chloride	2.2 U	2.9 U	NC	0.9 UJ	0.9 U	NC	2.3 U	3.2 U	NC
Acetone	5.4 U	5.6 U	NC	9.0 U	5.8 U	NC	12 U	13 M	NC
Chloroform	2.1	0.8 M	90	1.5 U	1.4 U	NC	1.1 U	1.1 U	NC
2-Butananon	8.1 U	8.3 U	NC	7.4 U	7.2 U	NC	5.7 U	8.2 U	NC
Toluene	1400	290	131	1.5 U	1.1 J	NC	15	7.3	69
SEMIVOLATILE ORGANICS (ug/kg)									
Phenol	150 U	140 U	NC	190 U	170 U	NC	130 U	140 U	NC
2-Methylphenol	1300	1500	14	94 U	85 U	NC	68 U	69 U	NC
4-Methylphenol	100	100 M	0	94 U	85 U	NC	68 U	69 U	NC
Benzoic acid	730 U	680 U	NC	940 U	850 U	NC	670 U	690 U	NC
Naphthalene	73 U	68 U	NC	94 U	85 U	NC	68 U	69 U	NC
2-Methylnaphthalene	73 U	68 U	NC	94 U	85 U	NC	68 U	69 U	NC
Pentachlorophenol	73 U	68 U	NC	94 U	85 U	NC	110 M	350 U	NC
Phenanthrene	73 U	68 U	NC	94 U	85 U	NC	700	69 U	NC
Anthracene	73 U	68 U	NC	94 U	85 U	NC	140	69 U	NC
Fluoranthene	73 U	68 U	NC	94 U	85 U	NC	760	69 U	NC
Pyrene	73 U	68 U	NC	94 U	85 U	NC	700	69 U	NC
Benzo(a)anthracene	73 U	68 U	NC	94 U	85 U	NC	140	69 U	NC
bis(2-Ethylhexyl)phthalate	45 J	68 U	NC	220	88 M	86	150 B	69 U	NC
Chrysene	73 U	68 U	NC	94 U	85 U	NC	360	69 U	NC
Di-n-Octylphthalate	73 U	68 U	NC	44 M	85 U	NC	4000	69 U	NC
Benzo(k)fluoranthene	73 U	68 U	NC	94 U	85 U	NC	310	69 U	NC

(a) RPD = Relative Percent Difference.
(b) NC = Not calculated if analyte is not detected.

TABLE G-5 (Continued)
SOIL CONCENTRATION AND
RELATIVE PERCENT DIFFERENCE (RPD)
FOR COMPOUNDS DETECTED IN FIELD DUPLICATE SAMPLES

ANALTYE	BN-G8-5.0	BN-G8-50	RPD (%)	BN-G8-7.5	BN-G8-75	RPD (%)	BN-G8-11.5	BN-G8-115	RPD (%)
TOTAL METALS									
Arsenic	5.0 U	4.0 U	NC	6.0 U	5.0 U	NC	5.0 U	5.0 U	NC
Barium	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC
Chroumium	12	7.6	45	12	7.9	41	3.9	4.2	7
Copper	12	12	0	19	19	0	12	12	0
Lead	4.0	5.0	22	6.0	6.0	0	4.0	4.0	0
Nickel	9	8.0	12	10	10	0	8.0	9.0	12
Zinc	23	23	0	28	29	4	21	22	5
VOLATILE ORGANICS (ug/kg)									
Methylene chloride	2.1 U	2.1 U	NC	2.3 UJ	2.3 U	NC	1.9 U	4.0 U	NC
Acetone	6.7 U	11 M	NC	8.5 U	6.1 U	NC	180	91	NC
Chloroform	1.1 U	1.1 U	NC	1.2 U	1.2 U	NC	1.0 U	1.0 U	NC
2-Butananon	5.4 U	6.6 M	NC	6.2 U	9.1 U	NC	11	22	67
Toluene	12	1.4	158	3.1	1.2 U	NC	3.2	14	126
SEMIVOLATILE ORGANICS (ug/kg)									
	130 U	130 U	NC	140 U	140 U	NC	130 U	130 U	NC
2-Methylphenol	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
4-Methylphenol	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
Benzoic acid	670 U	660 U	NC	720 U	720 U	NC	640 U	660 U	NC
Naphthalene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
2-Methylnaphthalene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
Pentachlorophenol	340 U	330 U	NC	360 U	360 U	NC	320 U	330 U	NC
Phenanthrene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
Anthracene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
Fluoranthene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
Pyrene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
Benzo(a)anthracene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
bis(2-Ethylhexyl)phthalate	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
Chrysene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC
Di-n-Octylphthalate	67 U	66 U	NC	72 U	72 U	NC	250	66 U	NC
Benzo(k)fluoranthene	67 U	66 U	NC	72 U	72 U	NC	64 U	66 U	NC

TABLE G-5 (Continued)
SOIL CONCENTRATION AND
RELATIVE PERCENT DIFFERENCE (RPD)
FOR COMPOUNDS DETECTED IN FIELD DUPLICATE SAMPLES

ANALTYE	BN-H1-10	BN-H1-100	RPD (%)	BN-H4-7.5	BN-H4-75	RPD (%)	BN-H11-10.0	BN-H11-100	RPD (%)
TOTAL METALS									
Arsenic	4.0 U	4.0 U	NC	6.0 U	5.0 U	NC	4.0 U	5.0 U	NC
Barium	0.1 U	0.2 U	NC	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC
Chroumium	7.6	8.5	11	7.8	7.7	1	10.7	10.3	4
Copper	9.4	9.6	2	19	19	0	8.4	8.3	1
Lead	7.0	8.0	13	11	10	10	6.0	5.0	18
Nickel	3	4.0	29	6.0	5.0	18	3.0	3.0 U	0
Zinc	19	21	10	29	27	7	17.3	17.1	1
VOLATILE ORGANICS (ug/kg)									
Methylene chloride	2200 J	2000 J	10	2.7 U	2.8 U	NC	30000 J	81000 J	92
Acetone	3100 M	2900 M	7	46 U	22 U	NC	48000 J	72000 J	40
Chloroform	1300 U	1300 U	NC	1.2 U	1.3 U	NC	27000 U	54000 U	NC
2-Butananon	10000 U	9900 U	NC	15	9.5 U	NC	2000000 U	410000 U	NC
Toluene	37000	210000	140	4.6	1.0 J	129	1100000	1900000	53
SEMIVOLATILE ORGANICS (ug/kg)									
Phenol	49 M	120 U	NC	140 U	150 U	NC	220	230	4
2-Methylphenol	2400	78 U	NC	69 U	77 U	NC	650	610	6
4-Methylphenol	530	78 U	NC	420	420	0	560	570	2
Benzoic acid	670 U	780 U	NC	690 U	770 U	NC	210 J	240 J	13
Naphthalene	150	240 U	NC	69 U	77 U	NC	63 U	64 U	NC
2-Methylnaphthalene	160	78 U	NC	69 U	77 U	NC	110	120	9
Pentachlorophenol	340 U	390 U	NC	350 U	380 U	NC	630 U	640 U	NC
Phenanthrene	210	78 U	NC	69 U	77 U	NC	63 U	64 U	NC
Anthracene	68 U	78 U	NC	69 U	77 U	NC	63 U	64 U	NC
Fluoranthene	76	78 U	NC	69 U	77 U	NC	63 U	64 U	NC
Pyrene	58 J	78 U	NC	69 U	77 U	NC	63 U	64 U	NC
Benzo(a)anthracene	68 U	78 U	NC	69 U	77 U	NC	63 U	64 U	NC
bis(2-Ethylhexyl)phthalate	6300 M	78 U	NC	69 U	77 U	NC	63 U	64 U	NC
Chrysene	68 U	78 U	NC	69 U	77 U	NC	63 U	64 U	NC
Di-n-Octylphthalate	320000 U	78 U	NC	69 U	77 U	NC	63 U	64 U	NC
Benzo(k)fluoranthene	68 U	78 U	NC	69 U	77 U	NC	63 U	64 U	NC

TABLE G-6
SEDIMENT CONCENTRATION AND
RELATIVE PERCENT DIFFERENCE (RPD)
FOR COMPOUNDS DETECTED IN FIELD DUPLICATE SAMPLES

ANALTYE	SD-J3 0.0-0.5	SD-J3 10	RPD (a) (%)
TOTAL METALS (mg/kg)			
Arsenic	13	9	AL (b)
Cadmium	0.5	0.5	0
Chromium	24.3	25	3
Copper	47	48.8	4
Lead	36	34	6
Mercury	0.13	0.16	AL
Nickel	20	21	5
Zinc	109	107	2
SOLIDS (%)	60.75	60.49	0.43
TOC (%)	1.8	1.8	0
PCBs (ug/kg)			
Aroclor 1016/1242	27	30 U	NC (c)
Aroclor 1254	64	68	6
Aroclor 1260	70	73	4
Aroclor			
VOLATILE ORGANICS (ug/kg)			
Acetone	3.3 M	6.6 U	NC
SEMIVOLATILE ORGANICS (ug/kg)			
Benzoic acid	14 J	15 J	7
Naphthalene	6 J	6 J	0
2-Methylnaphthalene	6 J	6 J	0
Dimethylphthalate	12	12	0
Acenaphthylene	11 U	3 J	NC
Acenaphthene	21	29	32
Dibenzofuran	17	21	21
Fluorene	23	33	AL
Pentachlorophenol	15 J	54 U	NC
Phenanthrene	210	320	42
Anthracene	51	69	30
Fluoranthene	360	520	36
Pyrene	490	470	4
Butylbenzylphthalate	28	22	24
Benzo(a)anthracene	190	210	10
bis(2-Ethylhexyl)phthalate	230	150 U	NC
Chrysene	320	370	14
Di-n-Octylphthalate	27	29	7
Benzo(b)fluoranthene	* (d)	*	NC
Benzo(k)fluoranthene	430	520	19
Benzo(a)pyrene	160	200	22
Indeno(1,2,3-cd)pyrene	140	160	13
Dibenz(a,h)anthracene	35	57 M	AL
Benzo(g,h,i)perylene	38	37 M	3

(a) RPD = Relative Percent Difference.
(b) AL = Alternate limit. Sample concentration within 5 times the detection limit, therefore the control limit is +/- 2 times the detection limit.
(c) NC = Not calculated if analyte is not detected.
(d) * = Benzo(b)fluoranthene and benzo(k)fluoranthene reported as the sum of the two.

APPENDIX H

Groundwater Extraction Analysis

APPENDIX H
GROUNDWATER EXTRACTION ANALYSIS

A potential remediation technology for addressing the toluene plume in the MW-G5 area is groundwater extraction and treatment (Section 8.0). The cost of implementing this technique is dependent on the groundwater extraction rate. An analytical groundwater computer model was used to estimate an extraction rate for capturing the toluene plume. The model results also yielded an estimate of the appropriate number of extraction wells for capturing the plume.

The model used in this analysis is called DREAM (Bonn and Rounds 1990) and is publicly available. The model calculates water level drawdown in aquifers in response to various aquifer stresses, such as pumping from a well. The model uses the Theis equation which describes unsteady, radial flow in a confined aquifer to calculate the drawdown around a well. The principle of superposition is utilized to calculate drawdown for the case where two or more wells are pumping from the aquifer.

Numerous assumptions are inherent in the Theis equation, including a homogeneous, isotropic, confined aquifer of infinite areal extent. A more complete list of the inherent assumptions can be found in most groundwater hydrology texts (e.g., Freeze and Cherry 1979). Although application of the Theis equation to this site violates some of these assumptions, the model results are considered acceptable given the level of accuracy required for this analysis.

Input parameters to the model include aquifer properties (e.g., hydraulic conductivity, storativity), well coordinates, and well pumping rates. Because the aquifer properties at this site have not been fully characterized, some of these properties were assumed based on the best available information. These include:

- hydraulic conductivity = 5×10^{-3} cm/sec, or approximately 14 ft/day (within typical range for a fine to medium sand formation)
- storativity = 0.10 (within typical range for an unconfined aquifer)
- saturated aquifer thickness = 45 ft (based on logs of borings drilled at the site).

The method of images (Freeze and Cherry 1979) was utilized to approximate the effects of pumping in the vicinity of Slip No. 6 and the Duwamish Waterway which were considered constant head sources. Tidal fluctuations were not considered. The criteria and conditions used to specify complete capture of the toluene plume were:

- Minimum 1.5 ft of drawdown at the plume boundary
- Drawdown less than 4 ft at the extraction well to minimize "smearing" of the free product across the formation.

Given these constraints and the aquifer parameters listed earlier, it was determined that four extraction wells pumping at a rate of 7 gpm each would capture the plume. The total flow rate was rounded to 30 gpm.

It is important to note that the calculated flow rate is highly dependent on the aquifer properties assumed in the analysis, especially hydraulic conductivity. For example, if the hydraulic conductivity were assumed to be 1.4×10^{-3} cm/sec (40 ft/day) instead of 5×10^{-3} cm/sec (14 ft/day), which is typical of a medium sand, the calculated plume pumping rate would be 80 gpm. For this reason, costs presented in Section 8.0 are based on the 80 gpm case.

REFERENCES

Bonn, Bernadine and Stewart Rounds. 1990. DREAM Analytical Groundwater Flow Programs. Lewis Publishers, Inc., Chelsea, MI.

Freeze, R.A. and J.A. Cherry. 1979. Groundwater. Prentice-Hall, Inc., Englewood Cliffs, NJ.

APPENDIX I

Cost Estimating Backup Data

TABLE 1
MW-G5 PLUME AREA CAPITAL COST ESTIMATE
SOIL VACUUM EXTRACTION, GROUNDWATER EXTRACTION WITH AIR STRIPPING

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Groundwater Extraction Wells	180	lf	$150	$27,000
Vacuum Extraction Wells	90	lf	$150	$13,500
Groundwater Extraction Pumps	4	ea	$1,000	$4,000
LNAPL Skim Pumps	4	ea	$5,000	$20,000
Vacuum System (500 cfm)	1	ea	$15,000	$15,000
Air Stripping System	1	ea	$20,000	$20,000
Iron Precipitation Tank	1	ea	$10,000	$10,000
Vacuum Probes	20	ea	$100	$2,000
Thermal Oxidation Unit	1	ea	$150,000	$150,000
Slab on Grade	2,500	sf	$5	$12,500
Effluent Pump	1	ea	$2,000	$2,000
LNAPL Tank (500 gal)	1	ea	$1,000	$1,000
Sewer Line	2,000	lf	$15	$30,000
Spoils Disposal	1	ls	$10,000	$10,000
SUBTOTAL - ITEMIZED COSTS				$317,000
Electrical Eqpt. @10% of subtotal				$31,700
Instrumentation @ 5% of subtotal				$15,850
Piping @ 10% of subtotal				$31,700
SUBTOTAL - EQUIPMENT				$396,250
Equipment Installation and Startup @ 40% of Equipment (Except Wells)				$142,300
SUBTOTAL - EQUIPMENT AND INSTALLATION				$538,550
Contractors OH and Profit @ 20% of Subtotal				$107,710
Permits and Legal Fees @ 7% of Subtotal				$26,928
Engineering Design and Construct. Services @ 20% of Subtotal				$107,710
Pilot Testing	1	ls	$50,000	$50,000
Supplemental Field Investigations	1	ls	$75,000	$75,000
SUBTOTAL - EQUIPMENT, INSTALLATION, SERVICES				$905,898
Contingency @ 30% of Subtotal				$271,769
TOTAL CAPITAL COSTS				$1,177,667

TABLE 2
MW-G5 PLUME AREA O & M AND PRESENT WORTH COST ESTIMATES
SOIL VACUUM EXTRACTION, GROUNDWATER EXTRACTION WITH AIR STRIPPING

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Laboratory Analysis	100	ea	$100	$10,000
LNAPL Disposal	5,000	gal	$4	$20,000
Operator	500	hr	$40	$20,000
Natural Gas	28,500	therms	$0.7	$19,950
Sewer Discharge Costs (80 gpm)	42,000,000	gal	$0.003	$126,000
Electricity (25 hp)	163,400	kwh	$0.05	$8,170
Professional Services (including regulatory reporting, sampling, etc.)	1	ls	$50,000	$50,000
Equipment Maintenance @ 3% of Capital Cost				$35,330
SUBTOTAL - ITEMIZED COSTS				$289,450
Contingency @ 30% of Subtotal				$86,835
TOTAL ANNUAL OPERATION AND MAINTENANCE COSTS				$376,285

PRESENT WORTH ANALYSIS

-O&M costs apportioned to vacuum extraction - $83,100 and groundwater pump and treat - $293,200

-Vacuum Extraction estimated to operate for 2 years, groundwater pump and treat for 5 years

-Present worth - Vacuum Extraction (n=2 years, i=5%, p/a=1.859) = $154,500

- Groundwater pump and treat (n=5 years, i=5%, p/a=4.329) = $1,269,300

PRESENT WORTH OF OPERATION AND MAINTENANCE = $1,423,800

TOTAL PRESENT WORTH - CAPITAL PLUS O&M - $2,601,500

TABLE 3
MW-G5 PLUME AREA CAPITAL COST ESTIMATE
IN SITU BIOREMEDIATION OF SOIL AND GROUNDWATER

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Groundwater Extraction Wells	180	lf	$150	$27,000
Groundwater Infiltration Trenches	1,700	lf	$15	$25,500
Groundwater Extraction Pumps	4	ea	$1,000	$4,000
LNAPL Skim Pumps	4	ea	$5,000	$20,000
Bioreactor for Groundwater	1	ea	$200,000	$200,000
Nutrient, Peroxide Addition Eqpt.	1	ls	$25,000	$25,000
Slab on Grade	2,500	sf	$5	$12,500
Effluent Pump	1	ea	$2,000	$2,000
LNAPL Tank (500 gal)	1	ea	$1,000	$1,000
Sewer Line	2,000	lf	$15	$30,000
Spoils Disposal	1	ls	$10,000	$10,000
SUBTOTAL - ITEMIZED COSTS				$357,000
Electrical Eqpt. @10% of subtotal				$35,700
Instrumentation @ 5% of subtotal				$17,850
Piping @ 10% of subtotal				$35,700
SUBTOTAL - EQUIPMENT				$446,250
Equipment Installation and Startup @ 40% of Equipment (Except Wells)				$157,500
SUBTOTAL - EQUIPMENT AND INSTALLATION				$603,750
Contractors OH and Profit @ 20% of Subtotal				$120,750
Permits and Legal Fees @ 7% of Subtotal				$30,188
Engineering Design and Construct. Services @ 20% of Subtotal				$120,750
Pilot Testing	1	ls	$50,000	$50,000
Supplemental Field Investigations	1	ls	$75,000	$75,000
SUBTOTAL - EQUIPMENT, INSTALLATION, SERVICES				$1,000,438
Contingency @ 30% of Subtotal				$300,131
TOTAL CAPITAL COSTS				$1,300,569

TABLE 4
MW-G5 PLUME AREA O & M AND PRESENT WORTH COST ESTIMATES
IN SITU BIOREMEDIATION OF SOIL AND GROUNDWATER

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Laboratory Analysis	100	ea	$100	$10,000
LNAPL Disposal	5,000	gal	$4	$20,000
Sludge Disposal	2,000	cy	$70	$140,000
Chemical Costs	1	ls	$100,000	$100,000
Operator	500	hr	$40	$20,000
Electricity (15 hp)	98,040	kwh	$0.05	$4,902
Sewer Discharge Costs (40 gpm)	21,024,000	gal	$0.003	$63,072
Professional Services (including regulatory reporting, sampling, etc.)	1	ls	$50,000	$50,000
Equipment Maintenance @ 3% of Capital Cost				$39,000
SUBTOTAL - ITEMIZED COSTS				$446,974
Contingency @ 30% of Subtotal				$134,092
TOTAL ANNUAL OPERATION AND MAINTENANCE COSTS				$581,066

PRESENT WORTH ANALYSIS
-System estimated to operate for 5 years
-Present worth factors (n=5 years, i=5%, p/a=4.329)

PRESENT WORTH OF OPERATION AND MAINTENANCE = $2,515,400

TOTAL PRESENT WORTH - CAPITAL PLUS O&M - $3,816,000

TABLE 5
SECTOR B AREA CAPITAL COST ESTIMATE
SOIL VACUUM EXTRACTION

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Vacuum Extraction Wells	50	lf	$150	$7,500
Vacuum System (500 cfm)	1	ea	$15,000	$15,000
Vacuum Probes	20	ea	$100	$2,000
Thermal Oxidation Unit	1	ea	$70,000	$70,000
Slab on Grade	1,500	sf	$5	$7,500
Spoils Disposal	1	ls	$5,000	$5,000
SUBTOTAL - ITEMIZED COSTS				$107,000
Electrical Eqpt. @10% of subtotal				$10,700
Instrumentation @ 5% of subtotal				$5,350
Piping @ 10% of subtotal				$10,700
SUBTOTAL - EQUIPMENT				$133,750
Equipment Installation and Startup @ 40% of Equipment (Except Wells)				$50,880
SUBTOTAL - EQUIPMENT AND INSTALLATION				$184,630
Contractors OH and Profit @ 20% of Subtotal				$36,926
Permits and Legal Fees @ 7% of Subtotal				$9,232
Engineering Design and Construct. Services @ 20% of Subtotal				$36,926
Pilot Testing	1	ls	$25,000	$25,000
Supplemental Field Investigations	1	ls	$50,000	$50,000
SUBTOTAL - EQUIPMENT, INSTALLATION, SERVICES				$342,714
Contingency @ 30% of Subtotal				$102,814
TOTAL CAPITAL COSTS				$445,528

TABLE 6
SECTOR B AREA O & M AND PRESENT WORTH COST ESTIMATES
SOIL VACUUM EXTRACTION

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Laboratory Analysis	100	ea	$100	$10,000
Operator	500	hr	$40	$20,000
Natural Gas	10,500	therms	$0.7	$7,350
Electricity (10 hp)	65,400	kwh	$0.05	$3,270
Professional Services (including regulatory reporting, sampling, etc.)	1	ls	$25,000	$25,000
Equipment Maintenance @ 3% of Capital Cost				$13,400
SUBTOTAL - ITEMIZED COSTS				$79,020
Contingency @ 30% of Subtotal				$23,706
TOTAL OPERATION AND MAINTENANCE COSTS				$102,726

PRESENT WORTH ANALYSIS
- System estimated to operate for 2 years
-Present worth factors (n=2 years, i=5%, p/a=1.859)

PRESENT WORTH OF OPERATION AND MAINTENANCE = $191,000

TOTAL PRESENT WORTH - CAPITAL PLUS O&M - $636,500

TABLE 7
SECTOR B AREA CAPITAL COST ESTIMATE
SOIL EXCAVATION AND DISPOSAL

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Excavate/Haul/Dispose	12,000	cy	$350	$4,200,000
Backfill/Compact	12,000	cy	$30	$360,000
SUBTOTAL - ITEMIZED COSTS				$4,560,000
Engineering Construct. Services	1	ls	$100,000	$100,000
Supplemental Field Investigations	1	ls	$50,000	$50,000
SUBTOTAL - EXCAVATION, SERVICES				$4,710,000
Contingency @ 30% of Subtotal				$1,413,000
TOTAL CAPITAL COSTS				$6,123,000

TABLE 8
BLACK LIQUID PLUME AREA CAPITAL COST ESTIMATE
GROUNDWATER EXTRACTION WITH POTW DISCHARGE

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Groundwater Extraction Wells	900	lf	$150	$135,000
Groundwater Extraction Pumps	20	ea	$1,000	$20,000
Sewer Line	2,000	lf	$15	$30,000
Spoils Disposal	1	ls	$50,000	$50,000
SUBTOTAL - ITEMIZED COSTS				$235,000
Electrical Eqpt. @10% of subtotal				$23,500
Instrumentation @ 5% of subtotal				$11,750
Piping @ 10% of subtotal				$23,500
SUBTOTAL - EQUIPMENT				$293,750
Equipment Installation and Startup @ 40% of Equipment (Except Wells)				$63,500
SUBTOTAL - EQUIPMENT AND INSTALLATION				$357,250
Contractors OH and Profit @ 20% of Subtotal				$71,450
Permits and Legal Fees @ 7% of Subtotal				$17,863
Engineering Design and Construct. Services @ 20% of Subtotal				$71,450
Supplemental Field Investigations	1	ls	$75,000	$75,000
SUBTOTAL - EQUIPMENT, INSTALLATION, SERVICES				$593,013
Contingency @ 30% of Subtotal				$177,904
TOTAL CAPITAL COSTS				$770,916

TABLE 9
BLACK LIQUID PLUME AREA O & M AND PRESENT WORTH COST ESTIMATES
GROUNDWATER EXTRACTION WITH SEWER DISCHARGE

ITEM	QUANTITY	UNIT MEASURE	UNIT COST	EXTENDED COST
Laboratory Analysis	100	ea	$100	$10,000
Operator	500	hr	$40	$20,000
Sewer Discharge Costs (100 gpm)	52,560,000	gal	$0.003	$157,680
Electricity (40 hp)	261,440	kwh	$0.05	$13,072
Professional Services (including regulatory reporting, sampling, etc.)	1	ls	$50,000	$50,000
Equipment Maintenance @ 3% of Capital Cost				$23,100
SUBTOTAL - ITEMIZED COSTS				$273,852
Contingency @ 30% of Subtotal				$82,156
TOTAL ANNUAL OPERATION AND MAINTENANCE COSTS				$356,008

PRESENT WORTH ANALYSIS
-Extraction estimated to operate for 5 years
-Present worth Factors (n=5 years, i=5%, p/a=4.329)

PRESENT WORTH OF OPERATION AND MAINTENANCE = $1,580,100

TOTAL PRESENT WORTH - CAPITAL PLUS O&M - $2,351,000