

# **SITE EVALUATION**

**120 LISTER AVENUE**

**SUBMITTED TO**

**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**PREPARED BY**

**DIAMOND SHAMROCK CHEMICALS COMPANY**

**IT CORPORATION**

**WOODWARD-CLYDE CONSULTANTS**

**ENVIRO-MEASURE, INC.**

**MAY 1985**

**VOLUME II**

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APPENDIX A

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LEGEND AND NOMENCLATURE


Items shown on boring logs refer to the following:

1. Depth - Depth below reference elevation, ground surface unless otherwise shown.
2. Sample - Types designated by letter
  - D - Disturbed sample, obtained from auger cuttings or wash water for classification purposes only.
  - S - Split-Spoon sample, obtained by driving 2-inch split-spoon to determine penetration resistance and allow classification.
  - C - Liner tube sample, obtained by penetration of thick, wall sampler containing 2-inch diameter liner-tubes (California sampler).
  - U - Undisturbed sample, obtained by penetration of minimum 3 inch diameter, thin-wall tube using an open or, where indicated, fixed-piston sampling head.

Rec - Recovery is expressed as a ratio of the length recovered to the total length pushed or driven (in inches) i.e.  $\frac{8}{12}$

Resist - Resistance is designated as follows:

  - P - Sample pushed in one continuous movement by hydraulic rig action, maximum hydraulic pressure shown where pertinent.
  - $^{36}_9$  - Numbers indicate blows per 6 inches of sampler penetration when driven by a 140-pound hammer falling freely 30 inches. The Standard Penetration Resistance is the number of blows for the last 12 inches of penetration of the split-spoon sampler, e.g. 15. Note that a blow count can be given for the California sampler, but this is not the Standard Penetration Resistance.
3. Description - Description of material according to the Unified Soil Classification: word description gives soil constituents, consistency or density, and other appropriate classification characteristics. Unified Soil Classification symbols are shown on the USC column. Geologic names, where appropriate, are shown under Special Notes. A solid line indicates stratigraphic change; a dashed line indicates approximate location of stratigraphic change.
4. Special Notes and Field Observations - Pertinent observations made by inspector during drilling including type of boring, free water level, water seepage, fluid loss, hole termination depth, etc.
5. Legend -
 

CFA - Continuous flight auger		
ATD - At time of drilling		
AD - After drilling		
DWL - Drill water loss		
DWR - Drill water return		
		Water depth at specified time after drilling
		Water entry depth at time of drilling

# BORING LOG

SHEET 1 OF 1  
 PROJECT NO. 85C7752-28  
 DATE 1-16-85  
 RIG CME-55  
 WATER ENTERS E1.94.6 ATD

PROJECT NAME 120 LISTER AVENUE

B-101

PROJECT LOCATION Newark, New Jersey

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

SURFACE ELEVATION 97.1\* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C.	BURMISTER	
0	T	-	-			Boring advanced with trowel (T) and 12" O.D. HSA  Moist  ← Water detected ATD  Note: Sample 109 was composited from 5.0' to 6.5'  Bottom of boring 6.5'  Boring grouted from bottom to surface following sampling operation  *Elev. = 6.2 (NJGVC)
	S	6/6	11	Loose, black, medium to fine Gravel FILL with coarse to fine grained sand, some silt, trace of organics	Black coarse to fine SAND, and medium to fine Gravel, trace Silt. Fill.	
	S	6/12	10/17	Loose, black, coarse to fine grained Sand FILL with trace of silt, brick fragments, cinders	Black and reddish brown coarse to fine SAND, trace Silt. Fill: brick fragments cinders	
	S	9/18	12/21	With rock chips		
	S	10/18	19/10	With rock fragments		
5	S	8/18	1/1			
10						
15						
20						

# BORING LOG

SHEET 1 OF 1  
 PROJECT NO. 85C7752-20  
 DATE 1-23-85  
 RIG CME-55  
 WATER ENTERS E1.94.6 ATD

PROJECT NAME 120 LISTER AVENUE  
 PROJECT LOCATION Newark, New Jersey  
 LOGGED BY Moore/Fessler DRILLED BY Empire Soils  
 SURFACE ELEVATION 97.1\* ELEVATION DATUM Assumed

B-101A

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESST	U.S.C.	BURMISTER	
0	T	-	-	Loose, black, coarse to fine Gravel FILL with coarse to fine grained sand, some silt, trace organics	Black coarse to fine SAND, and medium to fine Gravel, trace Silt. Fill.	Boring advanced with trowel (T) and 12" O.D. HSA
	S	-	-	Loose, black, coarse to fine grained Sand FILL with trace silt, brick fragments, cinders	Black and reddish brown coarse to fine SAND, trace Silt. Fill: brick fragments, cinders	← Water detected ATD moved No recovery-boring
	S	-	-			Bottom of boring 3.5'
5						*Elev.=6.2 (NJGVC)
10						
15						
20						

# BORING LOG

A-4

SHEET 1 OF 1

PROJECT NAME 120 LISTER AVENUE

PROJECT NO. 85C7752-20

B-101B

PROJECT LOCATION Newark, New Jersey

DATE 1-23-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.1\* ELEVATION DATUM Assumed

WATER ENTERS None  
detected ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESST	U.S.C.	BURMISTER	
0	T	-	-	Loose, black, coarse to fine grained Sand and fine Gravel FILL with cinders and brick fragments  Loose, black, coarse to fine grained Sand FILL with trace silt, cinders, brick fragments	Black coarse to fine SAND, and medium to fine Gravel, trace Silt. Fill.  Black and reddish brown coarse to fine SAND, trace Silt. FILL: brick fragments, cinders	Boring advanced with trowel (T) and 12" O.D. HSA. Drilled through 6" of ice before sampling  No rec.-moved boring Bottom of boring 2.5'  Boring grouted from bottom to surface following sampling operation   *Elev.=6.2 (NJGVC)
	S	-	-			
	S	-	-			
	S	-	-			
5						
0						
15						
0						



# BORING LOG

A-5

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-20

**B-101C**

PROJECT LOCATION Newark, New Jersey

DATE 1-23-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.1\* ELEVATION DATUM Assumed

WATER ENTERS El. 94.7 ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C	BURMISTER	
0	T	-	-	Loose, black, coarse to fine grained Sand and fine Gravel FILL with organic matter and brick fragments	Black coarse to fine SAND, and medium to fine Gravel, trace silt. Fill: brick fragments, organic matter	Boring advanced with trowel (T) and 12" O.D. HSA. Drilled through 6" of ice prior to sampling ← Water detected ATD
	S	-	-	Loose, black to reddish-brown, coarse to fine grained Sand FILL with trace silt, cinders, brick fragments	Black to reddish brown coarse to fine SAND, trace Silt, fine Gravel. Fill: rock fragments	
	S	-	-	Becoming black		
	S	-	-		Black coarse medium(+) to fine SAND, trace Silt. Fill: rock fragments, cinders	
5	S	-	-			
				Loose, brown PEAT and SILT	Brown organic SILT with roots and stems	Bottom of boring 6.5' Boring grouted from ground to surface following sampling operation. *Elev.=6.2 (NJGVC)
0						
5						
20						

# BORING LOG

A-6

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-28

**B-102**

PROJECT LOCATION Newark, New Jersey

DATE 1-18-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.6\* ELEVATION DATUM Assumed

WATER ENTERS E1.95.9 ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C	BURMISTER	
0	T	-	-	Loose, brown, coarse to fine grained, silty Sand	Brown coarse to fine SAND, some (-) Silt, trace fine Gravel. Fill: iron, glass, brick fragments	Boring advanced with trowel (T) and 12" O.D. HSA. Drilled through 2" of asphalt prior to sampling  Water detected ATD  No recovery: Two attempts were made, sample was very fluid, possibly fine grained sand and silt  Note: Sample 109 was composited from 5.5' to 7.0'  Bottom of boring 8.0'  Boring grouted from ground to surface following sampling operation.  *Elev.=6.7 (NJGVC)
	T	-	-	FILL with trace of fine gravel, iron, glass, brick fragments		
	S	$\frac{11}{12}$	1	Loose, brown to gray, coarse to fine grained Sand and Silt FILL with wood fragments	Brown coarse to fine SAND, and Silt. Fill: wood fragments	
	S	$\frac{6}{18}$	2			
	S	$\frac{11}{18}$	2			
	S	$\frac{6}{18}$	2			
	S	$\frac{11}{18}$	2			
5	S	$\frac{8}{18}$	2	Becoming reddish brown		
	S	$\frac{8}{18}$	3			
	S	$\frac{8}{18}$	2	With cinders		
	S	$\frac{9}{18}$	0	Loose, brown PEAT and SILT (meadow mat)	Brown organic SILT with roots and stems	
	S	$\frac{9}{18}$	0			
	S	$\frac{9}{18}$	1			
0						
15						
20						

# BORING LOG

A-7

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-20

**B-102A**

PROJECT LOCATION Newark, New Jersey

DATE 1-18-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

WATER ENTERS E1.96.0 ATD

SURFACE ELEVATION 97.6\* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESST	U.S.C.	BURMISTER	
0	T	-	-	Loose, brown, coarse to fine grained, silty Sand FILL with trace of fine gravel	Brown coarse to fine SAND, some Silt, trace Gravel. FILL.	Boring advanced with trowel (T) and 12" O.D. HSA. Drilled through 2" of aspha prior to sampling Water detected ATD
	S	-	-			
	S	-	-	Loose, dark brown, coarse to fine grained Sand and Silt FILL with wood fragments	Dark brown coarse medium(+) fine SAND, little Silt, trace medium to fine Gravel FILL.	
	S	-	-	Loose, gray, medium to fine grained Sand FILL with trace silt	Gray medium to fine SAND, trace(-) Silt. FILL.	
	S	-	-			
5	S	-	-			
	S	-	-			
						Bottom of boring 6.5'
						Boring grouted from bottom to surface following sampling operation.
10						*Elev.=6.7 (NJGVC)
15						
20						

# BORING LOG

A-8

SHEET 1 OF 1

PROJECT NAME 120 LISTER AVENUE

PROJECT NO. 85C7752-20

**B-102B**

PROJECT LOCATION Newark, New Jersey

DATE 1-18-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

WATER ENTERS E1.96.0 ATD

SURFACE ELEVATION 97.6\* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C.	BURMISTER	
0	T	-	-	Loose, brown, coarse to fine grained silty Sand FILL with trace of fine gravel, iron, brick, and glass fragments	Brown coarse medium(+) to fine SAND, some(-) Silt; trace fine Gravel. Fill: iron, glass, brick fragments	Boring advanced with trowel (T) and 12" O.D. HSA. Drilled through 2" asphalt prior to sampling. Water detected ATD
	S	-	-			
	S	-	-	Loose, brown, coarse to fine grained Sand and Silt FILL	Brown coarse medium(+) to fine SAND, and Silt. Fill.	
	S	-	-	Loose, gray, medium to fine grained Sand FILL with trace of silt	Gray medium to fine SAND, trace(-) Silt. Fill.	
5	S	-	-	Loose, reddish brown, coarse to fine grained silty Sand FILL	Reddish brown coarse medium(+) to fine SAND, trace Silt. Fill.	
	S	-	-	Loose, blackish-gray, coarse to fine grained, silty Sand FILL with cinders	Black gray coarse medium(+) to fine SAND, trace Silt. Fill: cinders	
	S	-	-	Loose, brown PEAT and SILT (Meadow mat)	Brown organic Silt with roots and stems.	
0						Bottom of boring 8.0'
						Boring grouted from bottom to surface following sampling operation.
15						
0						

# BORING LOG

A-9

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-28

**B-103**

PROJECT LOCATION Newark, New Jersey

DATE 1-17-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.4\* ELEVATION DATUM Assumed

WATER ENTERS E1.91.4 ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C.	BURMISTER	
0	T	-	-	Loose, brown, medium to fine Gravel FILL with trace Silt.	Brown medium to fine GRAVEL trace, coarse Sand, trace Silt. FILL.	Boring advanced with trowel (T) and 12" O.D. HSA.
	S	5/6	6			
	S	4/12	5/3	Loose, brown-black, Silt FILL with trace fine grained sand	Brown black SILT trace, fine Sand. FILL.	Note: Sample 109 was composited from 9.0' to 10.5'
	S	12/18	4/2	Medium dense, brown, coarse to fine grained Sand FILL with some silt, trace of organic material	Brown coarse medium(+) to fine SAND, trace Silt. FILL: organic material	
	S	18/18	1/1	Loose, red-brown, coarse to fine grained Sand FILL with some silt in thin lenses	Red brown coarse medium(+) to fine SAND, some Silt in thin lenses. FILL.	
5	S	12/18	1/0	Medium dense, grayish-brown, SILT with lenses of fine grained sand	Grayish brown SILT some, fine Sand in thin lenses	Moist
	S	14/18	1/2			← Water detected ATD
	S	12/18	3/7	Medium dense, brown, coarse to fine grained, SAND with trace of silt	Brown coarse to fine SAND, trace Silt.	*Elev.=6.5 (NJGVC)
0	S	8/18	3/4	Becoming siltier	Black coarse to fine SAND, and Silt.	
			4/4	Loose, brown PEAT and SILT (meadow mat)	Brown organic SILT with roots and stems	Bottom of boring 11.0'
						Boring grouted from bottom to surface following sampling operation.

# BORING LOG

A-10

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-20

**B-103A**

PROJECT LOCATION Newark, New Jersey

DATE 1-24-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

WATER ENTERS E1.91.4 ATD

SURFACE ELEVATION 97.4\* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C	BURMISTER	
0	T	-	-	Loose, brown, medium to fine Gravel FILL with trace of silt.	Brown medium to fine GRAVEL trace, coarse Sand, trace Silt. Fill.	Boring advanced with trowel (T) and 12" O.D. HSA
	S	-	-	Loose, brownish-black Silt FILL with trace coarse to fine grained sand	Brownish black SILT trace, fine Sand. Fill.	
	S	-	-	Medium dense, brown, coarse to fine grained Sand FILL with some silt, trace organic matter	Brown coarse medium(+) to fine SAND, trace Silt. Fill: organic material	*Elev.=6.5 (NJGVC)
	S	-	-	Medium dense, reddish-brown coarse to fine grained Sand FILL with some silt lenses	Reddish brown coarse medium (+) to fine SAND, some Silt in thin lenses. Fill.	
5	S	-	-	Medium dense, grayish brown SILT with lenses of fine grained sand	Grayish brown SILT trace, fine Sand in thin lenses	← Water detected ATD
	S	-	-	Medium dense, brown, coarse to fine grained SAND with trace of silt	Brown coarse medium(+) to fine SAND, trace Silt.	
10	S	-	-	Loose, black coarse to fine grained SAND and Silt.	Black coarse medium(+) to fine SAND, and Silt.	
	S	-	-	Medium dense, gray SILT	Gray organic SILT	
	S	-	-	Loose, black, coarse to fine grained SAND	Black coarse medium(+) to fine SAND	
5						Bottom of boring 12.5'
						Boring grouted from bottom to surface following sampling operation
20						

# BORING LOG

A-11

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-28

B-104

PROJECT LOCATION Newark, New Jersey

DATE 1-15-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.5\* ELEVATION DATUM Assumed

WATER ENTERS E1.91.8 ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS	
	TYPE	REC	RESST	U.S.C	BURMISTER		
0	T	-	-	Loose, brown, coarse Gravel FILL with rock fragments, roots, wood debris	Brown coarse GRAVEL. Fill: rock fragments, roots, wood, debris	Boring advanced with trowel (T) and 12" O.D. HSA  Note: Sample 109 was composited from 10.5' to 12.0' *Elev.=6.6 (NJGVC)	
	S	6/6	23				
	S	8/12	25	Dense, brown gray coarse to fine grained Sand FILL with concrete and rock fragments debris	Brown gray coarse to fine (+) SAND. Fill: concrete, rock fragments, devirs		
	S	12/18	20	Dense, brown black, medium to fine grained Sand FILL with some silt, cinders, coarse grained sand, debris	Brown black medium to fine (+) SAND, some (+) Silt, trace coarse Sand. Fill: cinders, debris		
	S	12/18	14				
	S	12/18	13				
	S	12/18	18	With fine gravel			
5	S	6/18	10				← Water detected ATD
	S	6/18	14				
	S	11/18	8	Medium dense, black, fine grained, Silty Sand FILL with trace of cinders, gravel, wood fragments	Black fine SAND, and Silt, trace(-) coarse to fine Gravel. Fill: cinders, wood fragments		
	S	16/18	7				
	S	16/18	8				
10	S	12/18	9				
	S	14/18	2	With red-brown, fine grained Silty SAND seam from 11.1' to 11.2'			
	S	14/18	3				
	S	14/18	2	Soft, gray, organic Silty CLAY with trace of shells, fine grained sand	Gray organic Silty CLAY trace(+), fine Sand, trace (+) shells	Bottom of boring 12.5' Boring grouted from bottom to surface following sampling operation.	
15							
20							

# BORING LOG

A-12

SHEET 1 OF 1  
 PROJECT NO. 85C7752-20  
 DATE 1-19-85  
 RIG CME-55  
 WATER ENTERS E1.92.0 ATD

PROJECT NAME 120 LISTER AVENUE  
B-104A PROJECT LOCATION Newark, New Jersey  
 LOGGED BY Moore/Fessler DRILLED BY Empire Soils  
 SURFACE ELEVATION 97.5\* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C.	BURMISTER	
0	T	-	-	Loose, brown, coarse Gravel FILL with rock fragments, roots and wood	Brown gray coarse(+) to fine GRAVEL trace, fine Sand, Silt. Fill: debris, wood, debris	Boring advanced with trowel (T) and 12" O.D. HSA
	S	6/6	21			
	S	7/12	22/18	Loose, brown gray, coarse to fine grained Sand FILL with rock fragments, debris	Brown gray coarse(+) to fine SAND. Fill: debris, rock fragments	
	S	13/18	17/20/24	Dense, brown black medium to fine grained Sand FILL with some silt, trace coarse grained sand, fine gravel, debris and cinders	Brown black medium to fine (+) SAND, some Silt, trace coarse Sand, fine Gravel. Fill: debris, cinders	*Elev.=6.6 (NJGVC)
	S	11/18	14/14/16			
5	S	7/18	9/12/9	Medium dense to dense, dark brown, fine grained silty Sand FILL with some wood fibers and trace of coarse gravel	Dark brown fine SAND, and Silt, trace(+) coarse to medium Gravel. Fill: wood fibers	← Water detected ATD
	S	12/18	8/7/10	Medium dense, black, fine grained, silty Sand FILL with cinders, trace of coarse gravel	Black fine SAND, some Silt, trace medium to fine(+) Gravel. Fill: cinders, wood fragments	Note: Sample 109 was composited from 9.5' to 11.0'
	S	14/18	9/8/9	With wood fragments		
0	S	10/18	10/4/2			
	S	12/18	4/3/2	Very soft, gray, SILT with trace of medium to fine grained sand	Gray SILT trace, medium to fine Sand.	
						Bottom of boring 12.5'





# BORING LOG

A-14

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-20

B-105  
E-11-F

PROJECT LOCATION Newark, New Jersey

DATE 2-4-85

RIG CME-55

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

WATER ENTERS E1.93.0 ATD

SURFACE ELEVATION 97.0\* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C.	BURMISTER	
0						Boring advanced with 5" diameter O. D. HSA. Sampling began at 2.0'
	S	9 12	9 31	Medium dense, brown, coarse to fine grained Sand FILL with some silt, trace of fine gravel and organics	Brown coarse to fine SAND, little (+) Silt, trace fine Gravel. Fill.	Moist *Elev.=6.1 (NJGVC)
	S	6 12	8 33	Becoming medium to fine gravel and coarse to fine grained Sand FILL with a trace of silt	Brown coarse(+) to fine SAND, and medium to fine(+) Gravel, trace Silt. Fill: organic material.	← Water detected ATD
5	S	5 12	12 5	Medium dense, black, coarse to fine grained, Sand FILL with some fine gravel and cinders	Black coarse to medium(+) to fine SAND, trace(+) fine Gravel. Fill: cinders	Note: Sample 109 was composited from 7.0' to 8.0'
	S	6 12	19 6	Loose, black, medium to fine Gravel FILL with a trace of coarse grained sand and cinders	Black medium(+) to fine GRAVEL trace, (+) coarse Sand. Fill: cinders	
	S	8 12	5 4			
				Medium dense, brown PEAT and SILT (meadow mat)	Brown PEAT and SILT (meadow mat)	Bottom of boring 8.0' Boring grouted from bottom to surface following sampling operation.
0						
15						
0						



# BORING LOG

A-16

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

B-107  
E-11-P

PROJECT LOCATION Newark, New Jersey

PROJECT NO. 85C7752

DATE 2-5-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

WATER ENTERS E1.94.6 ATD

SURFACE ELEVATION 96.8\* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESST	U.S.C.	BURMISTER	
0						Boring advanced with trowel (T) and 12" O.D. HSA. Sampling began at 2.0'
	S	7 12	3 7	Medium dense, brownish-black, coarse to fine grained, Sand and Silt FILL with trace of fine gravel	Brownish black, coarse to fine(+) SAND, and Silt, trace fine Gravel. Fill.	Water detected ATD
	S	8 12	5 8	Loose, black, coarse to fine grained Sand FILL with trace of fine gravel, wood fragments	Black coarse medium(+) to fine SAND, trace fine Gravel. Fill: wood fragments	Hit old wooden bulk-head
	S	6 12	49 8	Loose, blackish brown, coarse to fine grained Sand FILL with trace of fine gravel, silt.	Blackish brown coarse medium(+) to fine SAND, trace fine Gravel, Silt. Fill.	Iron spike recovered
5	S	2 12	4 1	Loose, black, coarse to fine grained Sand FILL with trace of fine gravel, wood fragments	Black coarse to fine(+) SAND, trace fine Gravel. Fill: wood fragments	Note: Sample 109 was composited from 8.0' to 9.0'
	S	3 12	5 3			*Elev.=5.9 (NJGVC)
	S	2.5 12	4 3			
	S	11 12	2 1	Loose, gray-brown, SILT and PEAT (meadow mat)	Gray brown organic SILT and PEAT (meadow mat).	
0						Bottom of boring 10.0'
5						
20						

# BORING LOG

A-17

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752

B-108  
E-9-D

PROJECT LOCATION Newark, New Jersey

DATE 2-6-85

RIG CME-55

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

WATER ENTERS None

SURFACE ELEVATION \_\_\_\_\_ ELEVATION DATUM \_\_\_\_\_

detected ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0	S	24 24	15	Medium dense, black, coarse to fine grained Sand FILL with some medium to fine gravel, trace silt, brick fragments, cinders	Black coarse medium(+) to fine SAND, some(-) medium to fine(+) Gravel, trace Silt. Fill: brick fragments, cinders	Boring advanced with 3" split spoon sampler driven with 140 lb. hammer.
			13	Medium dense, black, coarse to fine grained Sand FILL with trace of fine gravel and cinders	Black coarse medium(+) to fine SAND, trace fine Gravel. Fill: cinders	
5						Bottom of boring 2.0'
						Note: Sample was divided after recovery into Sample 100, 101 and 102.
						Boring was grouted from bottom to surface following sampling operation.
0						
1.5						
2.0						



# BORING LOG

A-19

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752

**B-110**  
**E-10-L**

PROJECT LOCATION Newark, New Jersey

DATE 2-6-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55













SURFACE ELEVATION 96.2\* ELEVATION DATUM Assumed

WATER ENTERS E1.93.8 ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESST	U.S.C.	BURMISTER	
0	T	-	-	Loose, black, medium to fine Gravel FILL with some coarse to fine grained Sand, trace Silt.	Black medium(+) to fine GRAVEL little, (+) coarse medium(+) to fine Sand, trace Silt. Fill.	Boring advanced with trowel (T) and 12" O.D. HSA  ← Water detected ATD *Elev.=5.3 (NJGVC)  Note: Sample 109 was composited from 5.0' to 11.0'. See below.  Note: Between 5.0' and 6.0' the sampler hit an old bulkhead. After the sampler passed the bulkhead it dropped to 11.0' under the weight of the hammer only.
	S	6/6	57	Medium dense, black, coarse to fine grained Sand FILL with some medium to fine gravel, trace silt, organic material	Black coarse medium(+) to fine SAND, some medium to fine(+) Gravel, trace Silt. Fill: organic material.	
	S	8/12	25	Medium dense, black, fine grained Sand FILL with some coarse to medium grained sand, trace of fine gravel, cinders	Black coarse to fine(+) SAND, trace fine Gravel. Fill: cinders	
	S	4/12	9	Medium dense, black, coarse to fine grained Sand FILL with trace of fine gravel, ash, cinders, wood fibers	Black coarse medium(+) to fine SAND, trace fine Gravel. Fill: ash, cinders wood fibers.	
	S	4/12	14	Loose, black, medium to fine grained Sand FILL with trace wood fibers, fine gravel.	Black medium to fine(+) SAND, trace fine Gravel. Fill: wood fibers.	
	S	4/12	10			
	S	3/12	12			
5	S	3/12	4			
	S	3/12	3			
	S	12/12	1	Loose, gray-brown, SILT and PEAT (meadow mat)	Gray brown organic SILT and PEAT (meadow mat).	Bottom of boring 12.0' Boring grouted from bottom to surface following the sampling operation.

## DEEP BORINGS GENERAL NOTES AND LEGEND

Symbols to be used for designation of subsurface materials on all boring logs and subsurface sections

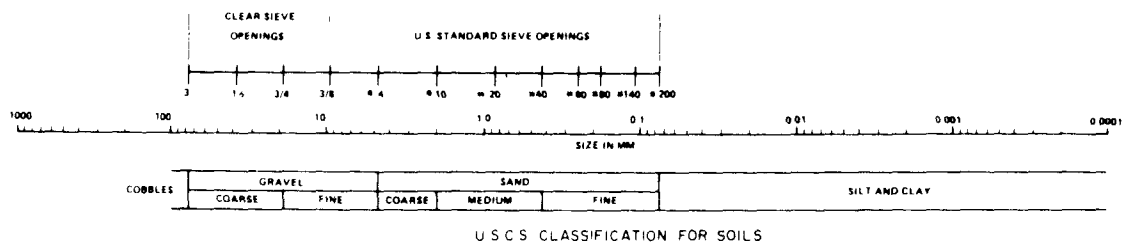
<p> GRAVEL</p> <p> SAND</p> <p> SILT</p> <p> CLAY</p> <p> ORGANIC MATTER</p> <p> ROOTS</p>	<p> FILL</p> <p> WATER</p> <p> APPROXIMATE EXISTING GROUND</p> <p> APPROXIMATE TOP OF ROCK</p>	<p> 2 O D SPLIT BARREL SAMPLE</p> <p>75/0 5 PENETRATION REFUSAL RESISTANCE AND FRACTIONAL INCREMENT DRIVEN IN FEET</p> <p> 1-8-81 GROUND WATER LEVEL AND DATE</p> <p>U S C S UNIFIED SOIL CLASSIFICATION SYSTEM (CAPITAL LETTERS INDICATE LAB TEST CLASSIFICATION, LOWER CASE LETTERS INDICATE VISUAL FIELD CLASSIFICATION)</p> <p>TRACE - INDICATES PRESENCE OF 5 TO 12% OF SUBJECT MATERIAL BY WEIGHT          SOME - INDICATES PRESENCE OF 12 TO 30% OF SUBJECT MATERIAL BY WEIGHT          AND - INDICATES APPROXIMATELY EQUAL PORTIONS OF SUBJECT MATERIAL BY WEIGHT</p>
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STANDARD PENETRATION RESISTANCE IS THE NUMBER OF BLOWS REQUIRED TO DRIVE A 2 INCH O D SPLIT BARREL SAMPLER 12 INCHES USING A 140 POUND HAMMER FALLING FREELY THROUGH 30 INCHES THE SAMPLER WAS DRIVEN 18 INCHES AND THE NUMBER OF BLOWS RECORDED FOR EACH 6 INCH INTERVAL THE RESISTANCE TO PENETRATION IS INDICATED ON THE DRAWING AS BLOWS PER FOOT

THE BORING LOGS AND RELATED INFORMATION DEPICT SUBSURFACE CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND DATES INDICATED SOIL CONDITIONS AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THESE BORING LOCATIONS ALSO THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THESE BORING LOCATIONS

CONSISTENCY OF COHESIVE SOILS	
CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH TONS PER SQUARE FOOT
VERY SOFT	LESS THAN 0.25
SOFT	0.25 TO 0.50
MEDIUM STIFF	0.50 TO 1.0
STIFF	1.0 TO 2.0
VERY STIFF	2.0 TO 4.0
HARD	MORE THAN 4.0

DENSITY OF GRANULAR SOILS	
DESIGNATION	BLOWS PER FOOT
VERY LOOSE	0-4
LOOSE	5-10
MEDIUM DENSE	11-30
DENSE	31-50
VERY DENSE	OVER 50





DATE BEGAN 9-25-84		BORING NO. STB-1		FIELD ENGINEER D.E.B./C.J.			
DATE FINISHED 10-19-84		N 201.1 E 502.6		CHECKED BY D.E.B.			
GROUND SURFACE EL 96.8'							
ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE 10 30 50	REMARKS
95.0	2.5	S-100 S-101 S	█	FILL: MEDIUM DENSE TO DENSE, DARK BROWN, SAND, SOME GRAVEL, TRACE SILT, ASH AND BRICK, MOIST 2.0'	FILL: dark brown coarse to fine SAND, some (-) medium to fine (+) Gravel, trace Silt, (Trace Ash and Brick) 2.0'		S-100 SAMPLED WITH A HAND TROWEL WATER TABLE AT 1.3'
	5.0	102 S 103 S	█	FILL: MEDIUM DENSE, DARK BROWN, SAND, TRACE SILT, GRAVEL, ASH, AND BRICK, WET 6.0'	FILL: dark brown coarse to fine SAND, trace medium to fine (+) Gravel, trace Silt, (Trace Ash and Brick) 6.0'		WOOD BURIED FROM 3.3-4.0' PIECE OF WOOD IN BOTTOM OF SAMPLE S-104, NO RECOVERY
90.0	7.5	104 S 105 S	█	VERY LOOSE, DARK BROWN TO BLACK, SAND, SOME SILT, TRACE GRAVEL, WET 6.5'	FILL: dark brown to black coarse to fine SAND, little (+) Silt, trace medium to fine (+) Gravel 6.5'		S-105 SAMPLER SANK BY WT. OF HAMMER HOLE HAD TO BE MOVED 2' SOUTH AND REDRILLED TO 4.0' END OF SPLIT-SPOON WAS LOST IN THE HOLE
	10.0	106 S	█	VERY SOFT, DARK BROWN TO BLACK, SILT, WITH FIBEROUS ORGANICS, MOIST	dark brown to black organic SILT, some (+) fiberous Peat		8" PVC CASING WAS GROUTED TO 7.0'
85.0	12.5	107 S	█	COLOR CHANGES FROM BROWN TO GRAY 15.0'			SET 17' OF 4" PVC CASING WITH CEMENT GROUT S-112 SOME MOTTLING OF SAMPLE, RED, BROWN AND BLACK
	15.0	108 S	█	VERY LOOSE, MEDIUM TO FINE, GRAY, SAND, SOME SILT, MOIST 18.2'	gray medium to fine (+) SAND, some (-) Silt 18.2'		
80.0	17.5	109 S	█	VERY LOOSE, GRAY TO BLACK, SILT, SOME MEDIUM TO FINE, SAND, SLIGHTLY PLASTIC, WET 19.5'	gray to black SILT, some medium to fine (+) Sand, slightly plastic 19.5'		
	20.0	110 S 111 S	█	VERY LOOSE, GRAY TO BLACK, COARSE TO MEDIUM, SAND, SOME SILT WITH ORGANICS, WET 23.5'	gray to black coarse to medium (+) SAND, little (+) Silt, with organics 23.5'		
75.0	22.5	112 S	█	GRADES TO LOOSE MEDIUM TO FINE GRAY, SAND, SOME SILT, WET 23.5'	Grades to: gray medium to fine (+) SAND, little (+) Silt 23.5'		
	25.0		█	VERY SOFT, BROWNISH GRAY, SILT, SOME ORGANICS, TRACE CLAY, SOME INTERBEDDED SAND SEAMS, MOIST	brownish gray SILT, some (-) organics, trace Clay, some (-) interbedded coarse to fine Sand seams		

NOTES  
 DRILLING CO.: EMPIRE SOILS INVESTIGATION  
 DRILLER: JIM HAMMEL

Project No 846722

Boring No STB-1  
 Sheet 1 Of 4

DATE BEGAN <u>9-25-84</u>		BORING NO. <u>STB-1</u>		FIELD ENGINEER <u>D.E.B./C.J.</u>											
DATE FINISHED <u>10-19-84</u>		GROUND SURFACE EL <u>96.8'</u>		CHECKED BY <u>D.E.B.</u>											
ELEV (FEET)		DEPTH FEET		SAMPLE TYPE		PROFILE		DESCRIPTION USCS		DESCRIPTION BURMISTER		PENETRATION RESISTANCE		REMARKS	
												10 30 50			
70.0		26.0'		S 113		[Profile]		LOOSE, GRAY, COARSE TO FINE, SAND, SOME SILT, TRACE GRAVEL, SOME MOTTLING, TRACE RED, SILT NODULES, WET		gray coarse to fine SAND, some (-) Silt, trace medium to fine (+) Gravel, trace red Silt nodules		[Penetration]			
65.0		30.1'		S 114		[Profile]		MEDIUM DENSE, BROWNISH RED, COARSE TO FINE, SAND, SOME SILT, TRACE GRAVEL, WET		brownish red coarse to fine SAND, little (+) Silt, trace medium to fine (+) Gravel		[Penetration]			
60.0		35.0'		S 115		[Profile]		REDDISH BROWN, VERY DENSE, SILT, MOIST		reddish brown SILT		[Penetration]		S-115 SILT SEAM RED-BROWN 0.1'	
55.0		40.0'		S 116		[Profile]						[Penetration]			
50.0		45.5'		S 117		[Profile]						[Penetration]			
47.5		47.5'				[Profile]						[Penetration]			
50.0		50.0'				[Profile]						[Penetration]			

NOTES

Project No 846722

Boring No STB-1  
 Sheet 2 Of 4

DATE BEGAN 9-25-84  
 DATE FINISHED 10-19-84  
 GROUND SURFACE EL 96.8'

BORING NO. STB-1

FIELD ENGINEER D.E.B./C.J.  
 CHECKED BY D.E.B.

N 201.1 E 502.6

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE 10 30 50	REMARKS
45.0		S 118	{	REDDISH BROWN, VERY DENSE, SILT, MOIST	ml	reddish brown SILT reddish brown medium to fine GRAVEL seam, some (-) coarse to fine Sand and Silt @ (50.0' 0 50.2')		
	52.5		{					
	55.0	S 119	{	REDDISH BROWN, MEDIUM DENSE, GRAVEL SEAM, SOME SAND AND SILT @ (50.0' - 50.2')	ml			
40.0	57.5		{					
	59.0'		{					
	60.0	S 120	{	MEDIUM DENSE, REDDISH BROWN, SILT, SOME FINE SAND, MOIST	ml	reddish brown SILT, some (-) medium to fine (+) Sand		
35.0	62.5		{					
	65.0'		{					
	65.0	S 121	{	STIFF, REDDISH BROWN, SILT, MOIST	ml	reddish brown SILT		
30.0	67.5		{					
	68.5'		{					
	70.0	S 122	{	VERY DENSE, REDDISH BROWN, MEDIUM TO FINE, SAND, SOME SILT, MOIST	sm	reddish brown medium to fine (+) SAND, little (+) Silt		
	71.0'		{					
25.0	72.5		{	VERY STIFF, REDDISH BROWN, SILT, SOME SAND, MOIST	ml	reddish brown SILT, some medium to fine Sand		106
	75.0		{	GRADUALLY GRADES TO				

NOTES

Project No 846722

Boring No STB-1  
 Sheet 3 Of 4

DATE BEGAN 9-25-84  
 DATE FINISHED 10-19-84  
 GROUND SURFACE EL 96.8'

BORING NO. STB-1

FIELD ENGINEER D.E.B./C.J.  
 CHECKED BY D.E.B.

N 201.1 E 502.6

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS	
							10	30	50		
20.0		S 123				reddish brown SILT, some (+) medium to fine Gravel, trace medium to fine Sand					
	77.5										
	80.0			VERY DENSE, REDDISH BROWN, SILT, WITH GRAVEL, TRACE SAND, MOIST	ml						
15.3	81.5	S 124									
				B. O. H. 81.5'							

NOTES

Project No 846722

Boring No STB-1  
 Sheet 4 Of 4

DATE BEGAN 9-26-84 BORING NO. STB-2 FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-9-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 97.1' N 283.7 E 443.2

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS	
							10	30	50		
		S-100	[Cross-hatched profile]	FILL:		FILL: dark brown coarse to fine SAND, little (+) Rock fragments (little (+) Brick, trace Ash) 2.0'				S-100 SAMPLED WITH A HAND TROWEL	
		S-101		VERY DENSE, DARK BROWN, SAND, SOME ROCK AND BRICK FRAGMENTS, TRACE ASH, MOIST 2.0'							WATER TABLE AT 2.0'
95.0	2.5	S									
		102									
		S									
	5.0	103			FILL:		FILL: black coarse to fine SAND, little (+) Rock fragments, trace Silt (little (+) Brick fragments)				S-103, S-104 AND S-105 HAD A PIECE OF WOOD STUCK IN THE BOTTOM OF THE SPOON
		S			MEDIUM DENSE TO LOOSE, BLACK, SAND, SOME ROCK AND BRICK, TRACE SILT, WET						
		104									
		S									
		105									INSTALLED 7.5' OF 8" PVC CASING WITH CEMENT GROUT
90.0	7.5	S			VERY LOOSE, BLACK, SAND WITH SILT, TRACE GRAVEL, WET 7.0'	SP	black coarse to fine SAND some Silt, trace medium to fine (+) Gravel 7.0'				10-9-84
		106									BEGAN SAMPLING AT 7.5'
		S		VERY SOFT, BLACK, SILT, TRACE SAND, WITH ORGANIC FIBERS AND ROOTS, WET	ol	black SILT, trace (-) medium to fine (+) Sand, and organic Fibers and Roots				INSTALLED 17.0' OF 4" PVC CASING WITH CEMENT GROUT	
	10.0	107									
		S									
		108									
		S		GRADES TO: 11.5'							
85.0	12.5	109				gray SILT, trace Clay					
		S		VERY SOFT, GRAY, SILT, TRACE CLAY, MOIST	ol						
	15.0	110									
		S									
		111									
	16.0	S									
80.6	16.5	112		VERY LOOSE, GRAY, SAND, TRACE SILT, WET	SP	gray coarse to fine SAND, trace Silt					
				B. O. H. 16.5'							

NOTES  
 DRILLING CO.: EMPIRE SOILS INVESTIGATIONS  
 DRILLER: JIM HAMMEL

Project No 846722

Boring No STB-2

Sheet 1 Of 1

DATE BEGAN 9-27-84		DATE FINISHED 10-17-84		BORING NO. STB-3		FIELD ENGINEER D.E.B./C.L.J.		
GROUND SURFACE EL 97.5'		N 350		E 494.7		CHECKED BY D.E.B.		
ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE 10 30 50	REMARKS
95.0	2.5	S-100 S-101 S 102 S		FILL: DENSE, BROWN AND GRAY, GRAVEL, (CRUSHED STONE) TRACE SAND, SILT, ASH, BRICK AND SLAG, DRY 2.0'	sm	FILL: brown and gray coarse to fine GRAVEL, trace medium to fine SAND, and Silt (trace Ash, Brick and Slag) 2.0'	100	S-100 SAMPLED WITH A HAND TROWEL
	5.0	S 103 S 104 S		FILL: LOOSE, DARK BROWN TO BLACK, SAND, TRACE SILT, GRAVEL, ASH AND BRICK, WET 6.2'	sp	FILL: dark brown to black coarse to fine SAND, trace Silt, trace medium to fine (+) Gravel 6.5'		WATER TABLE at 3.1' SET 8" OF 3" PVC CASING WITH CEMENT GROUT
90.0	7.5	S 105 S		VERY LOOSE, GRAY, SAND, TRACE SILT, WET 6.5'	ol	gray coarse to fine SAND, trace Silt 6.5'		10-3-84 BEGAN SAMPLING AT 8.0'
	10.0	S 106 S 107 S		VERY LOOSE, GRAY AND BLACK, SAND, TRACE GRAVEL, WET 7.6'		gray and black coarse to fine SAND, trace medium to fine (+) Gravel 7.6'		
	12.5	S-108 S 109 S		VERY LOOSE, BROWN, SILT, WITH ORGANIC FIBERS AND ROOTS, WET GRADES TO BROWN AND GRAY COLOR	ol	brown SILT, with organic Fibers and Roots		
85.0	15.0	S-110 S 111 S		GRADES TO 14.0'	ol	gray SILT, trace fine Sand		
80.0	17.5	S-112 S 113 S		VERY LOOSE, GRAY, SILT, TRACE FINE SAND, MOIST 19.5'	sm	gray coarse to fine (+) SAND, trace Silt 21.0'		SET 20' OF 4" PVC CASING WITH CEMENT GROUT
75.0	22.5	S 114 S		LOOSE, GRAY, COARSE TO FINE, SAND, TRACE SILT, WET 21.0'	ol	brownish black SILT, trace medium to fine (+) Sand, trace Organics		
	25.0			MEDIUM DENSE, BROWNISH BLACK, SILT, TRACE SAND, TRACE ORGANICS, WET				

NOTES  
 DRILLING CO.: EMPIRE SOILS INVESTIGATIONS  
 DRILLER: JIM HAMMEL

Project No 846722

Boring No STB-3  
 Sheet 1 Of 4

DATE BEGAN 9-27-84 BORING NO. STB-3 FIELD ENGINEER D.E.B./C.L.J.  
 DATE FINISHED 10-17-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 97.5' N 350 E 494.7

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION U S C S	U S C S	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
		S	115							TRACE OF ORGANIC (25.0'-26.0')
70.0	27.5						gray to black coarse to fine SAND, some (-) Silt			
	30.0		116			MEDIUM DENSE, GRAY TO BLACK, COARSE TO FINE, SAND, SOME SILT, WET				ADVANCED THE HOLE USING 3" STEEL CASING WASHING OUT BETWEEN SAMPLES WITH 2" BIT
65.0	32.5	S				sm	brownish gray coarse to medium (+) SAND, some (-) Silt			
	35.0		117			GRADES TO:				
60.0	37.5	S				to	red to brown medium to fine GRAVEL, trace coarse to fine Sand, (some Sandstone Pebbles)			
	40.0		118			DENSE, RED TO BROWN, GRAVEL UP TO 1" DIA. TRACE SAND, SOME SANDSTONE PEBBLES, WET				
55.0	42.5	S				gm	reddish brown coarse to medium (+) SAND, little (+) medium to fine Gravel, trace Silt			69
	45.0		119			GRADUAL INCREASE IN SILT CONTENT				
50.0	47.5	S				sp				
	50.0									

NOTES

DATE BEGAN <u>9-27-84</u>		BORING NO. <u>STB-3</u>		FIELD ENGINEER <u>D.E.B./C.L.J.</u>			
DATE FINISHED <u>10-17-84</u>		GROUND SURFACE EL <u>97.5'</u>		CHECKED BY <u>D.E.B.</u>			
		N <u>350</u> E <u>494.7</u>					
ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE 10 30 50	REMARKS
		S	{		50.1'		
45.0	52.5	120	{	MEDIUM DENSE, BROWNISH RED, SILT, TRACE SAND, SLIGHTLY PLASTIC, WET	ml		
			{		53.5'		
	55.0	S	{				
40.0	57.5	121	{	MEDIUM DENSE, BROWNISH RED, COARSE TO MEDIUM, SAND, SOME SILT, TRACE GRAVEL, WET	sm		
			{				
	60.0	S	{				
			{	GRAVEL SEAM UP TO 1" DIA. (56.2'-56.5' AND 60.5'-60.6')	gm		
			{				
35.0	62.5	122	{	MEDIUM DENSE, BROWNISH RED, SAND, SOME SILT, WET	sm		
			{				
			{		64.0'		
	65.0	S	{				
			{	MEDIUM DENSE, BROWNISH RED, ALTERNATING SILT AND SAND, SOME GRAVEL, WET	ml sm		
			{				
30.0	67.5	123	{				
			{				
			{				
			{				
	70.0	S	{				
			{	VERY DENSE, RED, COARSE TO FINE, SAND AND SILT, SOME GRAVEL, TRACE CLAY, WET (GRAVEL SEAM 66.0'-66.5')	sm		
25.0	72.5	124	{				
			{				
	75.0		{				
NOTES							

Project No 846722

Boring No STB-3

Sheet 3 Of 4



DATE BEGAN 9-27-84  
 DATE FINISHED 10-17-84  
 GROUND SURFACE EL 97.5'

**BORING NO. STB-3**

N 350 E 494.7

FIELD ENGINEER D.E.B./C.L.J.  
 CHECKED BY D.E.B.

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
21.0	76.5	S 125							94	
				B. O. H. 76.5						

NOTES:

Project No 846722

Boring No STB-3  
 Sheet 4 Of 4

DATE BEGAN 9-27-84 **BORING NO.** STB-4 FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-8-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 97.3' N 460.1 E 441.6

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
95.0	2.5	S-100	[Cross-hatched]	FILL: VERY DENSE, BROWN AND GRAY, GRAVEL (CRUSHED STONE), SOME SAND, TRACE SILT, ASH AND BRICK, WET 2.0'		FILL: brown and gray medium to fine GRAVEL, little (+) coarse to fine Sand, trace Silt (Trace Ash and Brick) 2.0'			62	S-100 SAMPLED WITH A HAND TROWEL SOME SAND LENSES 11.2-12.0'
		S-101								
	5.0	102	[Cross-hatched]	FILL: MEDIUM DENSE, DARK BROWN, SAND, WITH GRAVEL, TRACE SILT, ASH, BRICK AND SLAG, MOIST 3.5'		FILL: dark brown coarse to fine SAND, and (-) medium to fine Gravel, trace Silt (Trace Ash, Brick and Slag) 3.5'				CASING BECAME STUCK AT 8.0' MOVED HOLE 2' AND REDRILLED TO 11.0' AND SET 8" PVC CASING
		S								
	7.5	103	[Cross-hatched]	FILL: MEDIUM DENSE, DARK BROWN, SAND, TRACE GRAVEL, SILT AND SLAG, MOIST 5.0'		FILL: dark brown coarse to fine SAND, trace Silt, and medium to fine (+) Gravel (Trace Slag) 5.0'				10-8-84 BEGAN SAMPLING AT 11.0'
		S								
90.0	8.0	104	[Cross-hatched]	FILL: LOOSE, BLACK, SAND, TRACE SILT AND GRAVEL, WET 8.0'		FILL: black coarse to fine SAND, trace Silt, and medium to fine (+) Gravel 8.0'				SOME SAND LENSES 11.2-12.0'
		S								
	10.0	105	[Cross-hatched]	FILL: MEDIUM DENSE, BLACK, SAND WITH SANDSTONE FRAGMENTS, TRACE SILT, WET 11.0'		FILL: black coarse to fine SAND, with Sandstone fragments, trace Silt 11.0'				INSTALLED 19' of 4" PVC CASING WITH CEMENT GROUT
		S								
85.0	12.5	106	[Cross-hatched]	FILL: VERY LOOSE, BLACK SAND, TRACE GRAVEL, WET 13.2'		black coarse to fine SAND, trace medium to fine Gravel 11.2'				
		S								
	15.0	107	[Cross-hatched]	FILL: VERY SOFT, GRAY, SILT, TRACE GRAVEL, MOIST 13.2'	ol	gray SILT, trace fine Gravel 13.2'				
		S								
	16.5	108	[Cross-hatched]	FILL: VERY SOFT, BLACK, ALTERNATING LAYERS OF SAND AND SILT, TRACE GRAVEL, WET 16.5'	sm	black alternating layers of coarse to fine SAND, and SILT, trace medium to fine (+) Gravel 16.5'				
		S								
80.0	17.5	109	[Cross-hatched]	LOOSE, BLACK, MEDIUM TO FINE, SAND, SOME SILT AND GRAVEL, WET	sm	black medium to fine SAND, little (+) Silt, and medium to fine (+) Gravel				
78.3	19.0	110	[Cross-hatched]							
		111	[Cross-hatched]							
		112	[Cross-hatched]							
		113	[Cross-hatched]							
				B. O. H. 19.0'						

NOTES  
 DRILLING CO.: EMPIRE SOILS INVESTIGATIONS  
 DRILLER; JIM HAMMEL

Project No 846722 Boring No STB-4  
 Sheet 1 Of 1

DATE BEGAN <u>10-4-84</u>		BORING NO. <u>STB-5</u>		FIELD ENGINEER <u>D.E.B./C.L.J.</u>				
DATE FINISHED <u>10-11-84</u>		GROUND SURFACE EL <u>97.6'</u>		CHECKED BY <u>D.E.B.</u>				
ELEV (FEET)		DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE	REMARKS
							10 30 50	
95.0	2.5	S-100			FILL: DENSE, BROWN, GRAVEL AND SAND, TRACE SILT, BRICK AND ASH, SOME SLAG, DRY 1.0'	FILL: brown coarse to fine SAND, and coarse to fine Gravel, trace Silt (Trace Brick and Ash, some Slag) 1.0'		S-100 SAMPLED WITH A HAND TROWEL
		S-101			FILL: MEDIUM DENSE, DARK BROWN, SAND, TRACE SILT, BRICK AND ASH, MOIST 2.0'	FILL: dark brown coarse to fine SAND, trace Silt (Trace Brick and Ash) 2.0'		SET 11' OF 8" PVC CASING IN CEMENT GROUT
	5.0	102			FILL: MEDIUM DENSE, BROWN AND GRAY, SAND, SOME ASH, TRACE SILT, GRAVEL AND BRICK, WET 3.5'	FILL: brown and gray coarse to fine SAND, trace Silt, and medium to fine (+) Gravel (Some Ash) 3.5'		
		103			FILL: VERY LOOSE, BROWN AND BLACK, SAND, TRACE SILT, ASH AND BRICK, WET 5.0'	FILL: brown and black coarse to fine SAND, trace Silt (Trace Ash and Brick) 5.0'		
90.0	7.5	104			FILL: VERY LOOSE, BLACK, SAND, WITH SILT, TRACE ASH AND GRAVEL, WET 8.0'	FILL: black coarse to fine SAND, and (-) Silt, trace medium to fine (+) Gravel (Trace Ash) 8.0'		
	10.0	105			FILL: VERY LOOSE, BLACK, INTERBEDDED SILT AND SAND, TRACE ORGANICS, WET (8.0-9.5')	black coarse to fine SAND, and SILT, trace Organics (8.0-9.5')		
		106			12.5'	12.5'		
85.0	12.5	107			LOOSE, GRAY, COARSE TO FINE, SAND, SOME SILT AND GRAVEL, WET 13.5'	gray coarse to fine SAND, some (-) Silt, little (+) medium to fine Gravel 13.5'		
	15.0	108			VERY SOFT, BROWN AND BLACK, SILT, TRACE CLAY, WET (TRACE SAND 15.0-16.5') TRACE ORGANICS (GRAVEL SEAM 15.0-15.2')	brown and black SILT, Trace Clay trace fine Sand (15.0-16.5')		
		109			20.2'	20.2'		
80.0	17.5	110			MEDIUM DENSE, BROWN, MEDIUM TO FINE, SAND, SOME SILT, WET	brown medium to fine (+) SAND, little (+) Silt		
	20.0	111						
		112						
	22.5	113						
75.0	25.0	114						

NOTES  
 DRILLING CO.: EMPIRE SOILS INVESTIGATION  
 DRILLER: JIM HAMMEL

DATE BEGAN 10-4-84 BORING NO. STB-5 FIELD ENGINEER D.E.B./C.L.J.  
 DATE FINISHED 10-11-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 97.6 N 441.5 E 553.8

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS	
							10	30	50		
70.0	27.5	S 115		LOOSE, BROWN AND BLACK, SILT, SOME MEDIUM TO FINE, SAND, WET	ml	brown and black SILT, some (-) medium to fine Sand					
	30.0										
65.0	32.5	S 116			MEDIUM DENSE, BROWN, COARSE TO FINE, SAND, SOME SILT, TRACE RED SILT NODULES, WET	sm	brown coarse to fine SAND, some (-) Silt, trace red Silt nodules				
	35.0				GRADES TO: 33.5'						
60.0	37.5	S 117			MEDIUM DENSE, BROWN, COARSE TO MEDIUM, SAND, SOME GRAVEL, WET	sp	brown coarse to medium (+) SAND, little (+) medium to fine (+) Gravel				S-117 ROCK STUCK IN BOTTOM OF SPOON
55.0	42.5	S 118									
	45.0										
50.0	47.5	S 119		DENSE, REDDISH BROWN, COARSE TO FINE, SAND, TRACE GRAVEL AND SILT, WET	sm	reddish brown coarse to fine SAND, trace Silt, and medium to fine (+) Gravel					
	50.0										

NOTES

Project No 846722

Boring No STB-5  
 Sheet 2 Of 3

DATE BEGAN 10-4-84  
 DATE FINISHED 10-11-84  
 GROUND SURFACE EL 97.6

BORING NO. STB-5  
 N 441.5 E 553.8

FIELD ENGINEER D.E.B./C.L.J.  
 CHECKED BY D.E.B.

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
45.0	52.5	S 120	[Profile Diagram]	GRADES TO: VERY DENSE, REDDISH BROWN, COARSE TO FINE, SAND, TRACE GRAVEL AND SILT, WET	sm		[Penetration Resistance Graph]			
41.1	56.5	S 121								
				B. O. H. 56.5'						

NOTES

Project No 946722

Boring No STB-5  
 Sheet 3 Of 3

# MONITORING WELL INSTALLATION REPORT

A-34

Project 120 LISTER AVENUE Monitoring Well No. MW-101  
 Location Newark, New Jersey  
 Project No 13C121-28 Installed By Empire Soils Date 1-16-85 Time 2:30 pm  
 Method of Installation CME-55 with 12" diameter HSA

## LOG OF BORING AND MONITORING WELL

BORING			Type of Well <u>Ground-water sampling</u>	
Depth in ft.	Description	Symbol	Ground Elev. <u>97.1</u> Top of Riser Elev. <u>100.44</u> Protective steel casing with locking cap Vent holes I.D. of Riser Pipe <u>2"</u> Type of Pipe <u>Schedule 40 PVC</u> Type of Backfill Around Riser <u>Portland Cement</u> Top of Seal Elev. <u>96.3</u> Type of Seal Material <u>Bentonite pellets</u> Top of Filter Elev. <u>96.1</u> Type of Filter Material <u>Fine sand</u> Size of Openings <u>.010"</u> Diameter of Piezometer Tip <u>2"</u> Bottom of Well Elev. <u>90.6</u> Bottom of Boring Elev. <u>90.6</u> Diameter of Boring <u>12"</u>	
See Boring Log B-101 for detailed soil description			L <sub>1</sub> = <u>3.5</u> L <sub>2</sub> = <u>0.8</u> L <sub>3</sub> = <u>0.2</u> L <sub>4</sub> = <u>5.5</u> L <sub>5</sub> = <u>5.0</u> L <sub>6</sub> = <u>5.0</u> L <sub>7</sub> = <u>6.5</u>	

Remarks Bottom of well screen sealed with screw cap. A 1.5' x 1.5' x 2.0' protective cement collar was poured around a protective steel casing.

# MONITORING WELL INSTALLATION REPORT

A-35

Project 120 LISTER AVENUE Monitoring Well No. MW-102  
 Project No 13C121-28 Installed By Empire Soils Location Newark, New Jersey  
 Date 1-18-85 Time 2:40 pm  
 Method of Installation CME-55 with 12" diameter HSA

## LOG OF BORING AND MONITORING WELL

BORING			Type of Well <u>Ground-water sampling</u>	
Depth in ft.	Description	Symbol	Ground Elev. <u>97.6</u>	Top of Riser Elev. <u>100.41</u> Protective steel casing with locking cap Vent holes I.D. of Riser Pipe <u>2"</u> Type of Pipe <u>Schedule 40 PVC</u> Type of Backfill Around Riser <u>Portland Cement</u> Top of Seal Elev. <u>97.2</u> Type of Seal Material <u>Bentonite pellets</u> Top of Filter Elev. <u>97.0</u> Type of Filter Material <u>Fine sand</u> Size of Openings <u>.010"</u> Diameter of Piezometer Tip <u>2"</u> Bottom of Well Elev. <u>90.6</u> Bottom of Boring Elev. <u>90.6</u> Diameter of Boring <u>12"</u>
	See Boring Log B-102 for detailed soil description		$L_1 = 4.0$ $L_2 = 0.4$ $L_3 = 0.2$ $L_4 = 6.4$ $L_5 = 5.1$ $L_6 = 5.9$ $L_7 = 7.0$	

Remarks Bottom of well screen sealed with screw cap. A 1.5'x 1.5'x 1.5' protective cement collar was poured around a protective steel casing.

# MONITORING WELL INSTALLATION REPORT

A-36

Project 120 LISTER AVENUE Monitoring Well No. MW-103  
 Project No. 13C121-28 Installed By Empire Soils Location Newark, New Jersey  
 Date 1-17-85 Time 2:15 pm  
 Method of Installation CME-55 with 12" diameter HSA

## LOG OF BORING AND MONITORING WELL

BORING			Type of Well <u>Ground-water sampling</u>	
Depth in ft.	Description	Symbol	Ground Elev. <u>97.4</u>	Top of Riser Elev <u>98.98</u> Protective steel casing with locking cap Vent holes I.D. of Riser Pipe <u>2"</u> Type of Pipe <u>Schedule 40 PVC</u> Type of Backfill Around Riser <u>Portland Cement</u> Top of Seal Elev <u>92.6</u> Type of Seal Material <u>Bentonite pellets</u> Top of Filter Elev <u>92.4</u> Type of Filter Material <u>Fine sand</u> Size of Openings <u>.010"</u> Diameter of Piezometer Tip <u>2"</u> Bottom of Well Elev <u>86.9</u> Bottom of Boring Elev <u>86.9</u> Diameter of Boring <u>12"</u>
	See Boring Log B-103 for detailed soil description		$L_1 = 1.5$ $L_2 = 4.8$ $L_3 = 0.2$ $L_4 = 5.5$ $L_5 = 7.0$ $L_6 = 5.0$ $L_7 = 10.5$	

Remarks Bottom of well screen sealed with screw cap. A 1.5'x 1.5'x 1.5' protective cement collar was poured around a protective steel casing.



APPENDIX  
**B**

APPENDIX B

APPENDIX B  
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FINAL DIOXIN RESULTS	B-1

R S L T . L N E	C L I E N T #	S A M P L I N G S C	S O R T	T A S K
1.2 ppb	C-8-D-2000-100-S-L	Near Surface Soil-Station C-8-D, 1-6"	850115	SARGENT2
24.3 ppb	C-8-D-2001-101-S-L	Near Surface Soil-Station C-8-D, 6-12"	850115	SARGENT2
2.1 ppb	C-8-D-2002-102-S-L	Near Surface Soil-Station C-8-D, 12-24"	850115	SARGENT2
0.48 ppb	H-9-D-2003-100-S-L	Near Surface Soil-Station H-9-D, 0-6"	850115	SARGENT2
1.1 ppb	H-9-D-2004-101-S-L	Near Surface Soil-Station H-9-D, 6-12"	850115	SARGENT2
0.79 ppb	H-9-D-2005-102-S-L	Near Surface Soil-Station H-9-D, 12-24"	850115	SARGENT2
8.3 ppb	J-11-D-2006-100-S-L	Near Surface Soil-Station J-11-D, 0-6"	850115	SARGENT2
1.3 ppb	J-11-D-2007-101-S-L	Near Surface Soil-Station J-11-D, 6-12"	850115	SARGENT2
ND (0.07 ppb)	J-11-D-2008-102-S-L	Near Surface Soil-Station J-11-D, 12-24"	850115	SARGENT2
0.57 ppb	K-10-D-2009-100-S-L	Near Surface Soil-Station K-10-D, 0-6"	850116	SARGENT2
0.27 ppb	4100-2014-C-L	Chip-Brick Bldg, Interior, N.W. Corner	850115	SARGENT2
ND (0.30 ppb)	4501-2015-C-L	Chip-Brick Bldg, Exterior, N.W. Corner	850115	SARGENT2
0.48 ppb	4100-2016-C-L	Chip-Brick Bldg, Interior, S.E. Corner	850115	SARGENT2
1.1 ppb	4400-2017-C-L	Chip-Brick Bldg, Roof	850115	SARGENT2
0.13 ppb	4100-2018-C-L	Chip-Brick Bldg, Floor	850115	SARGENT2
ND (0.30 ppb)	4503-2019-C-L	Chip-Brick Bldg, Exterior, S.E. Corner	850115	SARGENT2
ND (0.30 ppb)	5100-2057-C-L	Chip-Block Bldg, Interior, N.W. Corner	850116	SARGENT2
ND (0.23 ppb)	5501-2058-C-L	Chip-Block Bldg, Exterior, N.W. Corner	850116	SARGENT2
ND (5.0 ppb)	5100-2059-C-L	Chip-Block Bldg, Interior, S.E. Corner	850116	SARGENT2
ND (0.10 ppb)	5300-2060-C-L	Chip-Block Bldg, Exterior, S.E. Corner	850116	SARGENT2
ND (0.40 ppb)	5100-2061-C-L	Chip-Block Bldg, High Traffic	850116	SARGENT2
0.39 ppb	5400-2062-C-L	Chip-Block Bldg, Roof	850116	SARGENT2
ND (0.72 ppb)	6-10-D-2063-100-S-L	Near Surface Soil-Station 6-10-D, 0-6"	850116	SARGENT2
ND (0.50 ppb)	6-10-D-2064-101-S-L	Near Surface Soil-Station 6-10-D, 6-12"	850116	SARGENT2
0.55 ppb	E-10-D-2066-100-S-L	Near Surface Soil-Station E-10-D, 0-6"	850116	SARGENT2
ND (0.08 ppb)	E-10-D-2067-101-S-L	Near Surface Soil-Station E-10-D, 6-12"	850116	SARGENT2
ND (0.58 ppb)	E-10-D-2068-102-S-L	Near Surface Soil-Station E-10-D, 12-24"	850116	SARGENT2
ND (0.7 ppb)	D-10-D-2069-100-S-L	Near Surface Soil-Station D-10-D, 0-6"	850119	SARGENT2
1.1 ppb	K-12-B-2072-100-S-Y	Soil Boring-Station K-12-B, 0-6"	850117	SARGENT2
2.7 ppb	K-12-B-2073-101-S-Y	Soil Boring-Station K-12-B, 6-12"	850117	SARGENT2
0.76 ppb	K-12-B-2074-102-S-Y	Soil Boring-Station K-12-B, 12-24"	850117	SARGENT2
ND (0.82 ng/sample)	A006-2101-A-L	Ambient Air-120 Lister (Southwest)	850118	SARGENT2
ND (0.40 ng/sample)	A006-2102-A-L	Ambient Air-120 Lister (Northeast)	850118	SARGENT2
1.0 ppb	C-9-D-2103-100-S-L	Near Surface Soil-Station C-9-D, 0-6"	850117	SARGENT2
1.0 ppb	C-9-D-2104-101-S-L	Near Surface Soil-Station C-9-D, 6-12"	850117	SARGENT2
4.9 ppb	C-9-D-2105-102-S-L	Near Surface Soil-Station C-9-D, 12-24"	850117	SARGENT2
11.4 ppb	H-12-D-2108-100-S-Y	Near Surface Soil-Station H-12-D, 0-6"	850117	SARGENT2
17.5 ppb	H-12-D-2109-101-S-Y	Near Surface Soil-Station H-12-D, 6-12"	850117	SARGENT2
1.1 ppb	H-12-D-2110-102-S-Y	Near Surface Soil-Station H-12-D, 12-24"	850117	SARGENT2
ND (0.10 ppb)	6-11-D-2111-100-S-L	Near Surface Soil-Station 6-11-D, 0-6"	850119	SARGENT2
ND (0.3 ppb)	6-11-D-2112-101-S-L	Near Surface Soil-Station 6-11-D, 6-12"	850119	SARGENT2
ND (1.5 ppb)	6-11-D-2113-102-S-L	Near Surface Soil-Station 6-11-D, 12-24"	850119	SARGENT2
0.62 ppb	E-12-G-2114-100-S-L	Near Surface Soil-Station E-12-G, 0-6"	850119	SARGENT2
6.9 ppb	D-12-D-2117-100-S-Y	Soil Boring-Station D-12-D, 0-6"	850118	SARGENT2
ND (3.0 ppb)	D-12-D-2118-101-S-Y	Soil Boring-Station D-12-D, 6-12"	850118	SARGENT2
ND (1.7 ppb)	D-12-D-2119-102-S-Y	Soil Boring-Station D-12-D, 12-24"	850118	SARGENT2

## Dioxin Results for 120 Lister Site

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R S L T . L N E	C L I E N T #	S A M P L I N G S C	S O R T	T A S K
1.7 ppb	C-10-H-2159-100-S-Y	Near Surface Soil-Station C-10-H, 0-6"	850119	SARGENT2
11.0 ppb	C-10-H-2160-101-S-Y	Near Surface Soil-Station C-10-H, 6-12"	850119	SARGENT2
1.4 ppb	C-10-H-2161-102-S-Y	Near Surface Soil-Station C-10-H, 12-24"	850119	SARGENT2
2.9 ppb	D-8-I-2162-100-S-Y	Near Surface Soil-Station D-8-I, 0-6"	850119	SARGENT2
2.9 ppb	D-8-I-2163-101-S-Y	Near Surface Soil-Station D-8-I, 6-12"	850119	SARGENT2
71. ppb	E-11-F-2165-100-S-Y	Near Surface Soil-Station E-11-F, 0-6"	850119	SARGENT2
490. ppb	E-11-F-2166-101-S-Y	Near Surface Soil-Station E-11-F, 6-12"	850119	SARGENT2
97.0 ppb	E-11-F-2167-102-S-Y	Near Surface Soil-Station E-11-F, 12-24"	850119	SARGENT2
2.1 ppb	K-9-D-2168-100-S-Y	Soil Boring-Station K-9-D, 0-6"	850119	SARGENT2
5.1 ppb	K-9-D-2169-101-S-Y	Soil Boring-Station K-9-D, 6-12"	850119	SARGENT2
4.2 ppb	K-9-D-2170-102-S-Y	Soil Boring-Station K-9-D, 12-24"	850119	SARGENT2
1.1 ppb	K-9-D-2171-103-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
0.42 ppb	K-9-D-2172-104-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
0.30 ppb	K-9-D-2173-105-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
ND (0.20 ppb)	K-9-D-2174-106-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
ND (0.20 ppb)	K-9-D-2175-107-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
ND (0.07 ppb)	K-9-D-2177-109-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
1.1 ppb	9300-2178-C-L	Chip-Tile Bldg,NW Corner,Interior,High/Mid/Low ea wal	850119	SARGENT2
1.9 ppb	9300-2179-C-L	Chip-Tile Bldg,SE Corner,Interior,High/Mid/Low ea wal	850119	SARGENT2
ND (1.0 ppb)	9300-2180-C-L	Chip-Tile Bldg,NW Corner,Exterior,High/Mid/Low ea wal	850119	SARGENT2
ND (0.90 ppb)	9300-2181-C-L	Chip-Tile Bldg,SE Corner,Exterior,High/Mid/Low ea wal	850119	SARGENT2
6.7 ppb	9300-2182-C-L	Chip-Tile Bldg, Floor, High Traffic Area	850119	SARGENT2
0.67 ppb	9300-2183-C-L	Chip-Tile Bldg, Roof	850119	SARGENT2
ND (0.01 ppb)	F008-2184-C-L	Field Blank-Chip	850119	SARGENT2
0.56 ppb	F-9-G-2185-100-S-Y	Soil Boring-Station F-9-G, 0-6"	850123	SARGENT2
0.58 ppb	F-9-G-2186-101-S-Y	Soil Boring-Station F-9-G, 6-12"	850123	SARGENT2
ND (0.30 ppb)	F-9-G-2187-102-S-Y	Soil Boring-Station F-9-G, 12-24"	850123	SARGENT2
ND (0.30 ppb)	F-9-G-2188-103-S-Y	Soil Boring-Station F-9-G, 18" interval	850123	SARGENT2
ND (0.30 ppb)	F-9-G-2189-104-S-Y	Soil Boring-Station F-9-G, 18" interval	850123	SARGENT2
ND (0.60 ppb)	F-9-G-2194-109-S-Y	Soil Boring-Station F-9-G, 18" interval	850123	SARGENT2
0.34 ppb	K-12-B-2197-103-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.19 ppb	K-12-B-2198-104-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.72 ppb	K-12-B-2199-105-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.60 ppb	K-12-B-2200-106-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.84 ppb	K-12-B-2201-107-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.54 ppb	K-12-B-2203-109-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.49 ppb	D-12-D-2204-103-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	SARGENT2
0.45 ppb	D-12-D-2205-104-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	SARGENT2
0.23 ppb	D-12-D-2206-105-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	SARGENT2
ND (0.40 ppb)	D-12-D-2210-109-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	SARGENT2
ND (54 ng/meter <sup>2</sup> )	9300-2231-W-L	Wipe-Composite of vert.tank 1 & horiz. tank 2,in&out	850128	SARGENT2
ND (54 ng/meter <sup>2</sup> )	9300-2232-W-L	Wipe-Composite of horiz. tank 3 & vert. tank 4,in&out	850128	SARGENT2
ND (10 ng/meter <sup>2</sup> )	9300-2233-W-L	Wipe-Composite of horiz. tank 5 & 6, outside legs	850128	SARGENT2
ND (10 ng/meter <sup>2</sup> )	9300-2234-W-L	Wipe-Composite of Blower 7 & duct elbow 8, in & out	850128	SARGENT2
ND (4.0 ng/meter <sup>2</sup> )	9300-2235-W-L	Wipe-Composite of Horiz. tank 9 & 10, outside	850128	SARGENT2
ND (2.0 ng/wipe)	F012-2236-W-L	Field Blank-Wipe	850128	SARGENT2

Dioxin Results for 120 Lister Site

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R S L T . L N E	C L I E N T #	S A M P L E S C	S O R T	T A S K
ND (12 ng/meter <sup>2</sup> )	9300-2237-W-L	Wipe-Comp. of Vert. tank 11 out & Horiz. tank 12,out	850128	SARGENT2
7.9 ng/meter <sup>2</sup>	9300-2238-W-L	Wipe-Comp. of #13 sheet metal hood & #14 column	850128	SARGENT2
ND (8.3 ng/meter <sup>2</sup> )	9300-2239-W-L	Wipe-Comp. of Trough # 15 & 16, in & out	850128	SARGENT2
11.0 ng/meter <sup>2</sup>	9300-2240-W-L	Wipe-Comp. of Vert. tank 17 & 18, outside	850128	SARGENT2
ND (5.8 ng/meter <sup>2</sup> )	9300-2241-W-L	Wipe-Comp. of Vert. tank 19 & 20, outside	850128	SARGENT2
10.3 ppb	X-9709-2270-P-F-L	NJ DEP Proficiency Sample X9709	850128	SARGENT2
ND (0.83 ppb)	C-10-D-2271-100-S-L	Near Surface Soil-Station C-10-D, 0-6" (N110,E493)	850129	SARGENT2
ND (0.86 ppb)	C-10-D-2272-101-S-L	Near Surface Soil-Station C-10-D, 6-12" (N110,E493)	850129	SARGENT2
2.2 ppb	F-10-D-2293-100-S-L	Near Surface Soil-Station F-10-D, 0-6" (N260,E493)	850131	SARGENT2
4.4 ppb	H-11-D-2308-100-S-L	Near Surface Soil-Station H-11-D, 0-6" (N360,E543)	950131	SARGENT2
1.6 ppb	J-12-D-2314-100-S-L	Near Surface Soil-Station J-12-D, 0-6" (N410,E593)	850201	SARGENT2
155. ppb	E-11-F-2328-103-S-L	Soil Boring-Station E-11-F, 24-36"	850204	SARGENT2
73.5 ppb	E-11-F-2329-104-S-L	Soil Boring-Station E-11-F, 36-48"	850204	SARGENT2
93.7 ppb	E-11-F-2330-105-S-L	Soil Boring-Station E-11-F, 12" interval	850204	SARGENT2
61.5 ppb	E-11-F-2331-106-S-L	Soil Boring-Station E-11-F, 12" interval	850204	SARGENT2
59.1 ppb	E-11-F-2332-107-S-L	Soil Boring-Station E-11-F, 12" interval	850204	SARGENT2
17.4 ppb	E-11-F-2334-109-S-L	Soil Boring-Station E-11-F, 12" interval	850204	SARGENT2
0.013 ppb	9100-2335-H-L	Decon Water-Tank #03, Grab sample after agitation	850202	SARGENT2
6.1 ppb	E-11-P-2336-103-S-L	Soil Boring-Station E-11-P, 24-36" (N201.1,E502.6)	850205	SARGENT2
4.0 ppb	E-11-P-2337-104-S-L	Soil Boring-Station E-11-P, 36-48" (N201.1,E502.6)	850205	SARGENT2
67. ppb	D-11-G-2343-100-S-L	Soil Boring-Station D-11-G, 0-6"	850205	SARGENT2
5.4 ppb	D-11-G-2344-101-S-L	Soil Boring-Station D-11-G, 6-12"	850205	SARGENT2
8.9 ppb	D-11-G-2345-102-S-L	Soil Boring-Station D-11-G, 12-24"	850205	SARGENT2
26.7 ng/wipe	9100-2353-W-L	Wipe-120 Lister (Decon)	850207	SARGENT2
ND (5.0 ng/wipe)	9100-2354-W-L	Wipe-120 Lister, Shower Trailer	850207	SARGENT2
ND (4.0 ng/sample)	9100-2355-W-L	Wipe-120 Lister, Respirators	850212	SARGENT2
94.0 ppb	E-11-N-2366-100-S-L	Soil Boring-Station E-11-N, 0-6"	850206	SARGENT2
19.0 ppb	E-11-N-2367-101-S-L	Soil Boring-Station E-11-N, 6-12"	850206	SARGENT2
11.0 ppb	E-11-N-2368-102-S-L	Soil Boring-Station E-11-N, 12-24"	850206	SARGENT2
1.2 ppb	E-10-L-2376-100-S-L	Soil Boring-Station E-10-L, 0-6"	850206	SARGENT2
ND (0.48 ppb)	E-10-L-2377-101-S-L	Soil Boring-Station E-10-L, 6-12"	850206	SARGENT2
NE (1.2 ppb)	E-10-L-2378-102-S-L	Soil Boring-Station E-10-L, 12-24"	850206	SARGENT2
NE (3.0 ng/sample)	F020-2422-W-L	Field Blank-Wipe	850207	SARGENT2
NE (4.1 ng/wipe)	9200-2459-W-L	Wipe-80 Lister (Empire Drill Rig, High Sample Point)	850212	SARGENT2
ND (0.001 ppb)	T019-2480-H-Y	Travel Blank-Monitoring Well	850213	SARGENT2
ND (0.0005 ppb)	F-9-G-2482-298-H-Y	Monitoring Well MW-101 (120 Lister)	850213	SARGENT2
ND (0.004 ppb)	D-12-D-2483-298-H-Y	Monitoring Well MW-102 (120 Lister)	850213	SARGENT2
ND (0.002 ppb)	K-12-B-2484-298-H-Y	Monitoring Well MW-103 (120 Lister)	850213	SARGENT2
12.4 ng/wipe	F024-2485-W-L	Field Blank-Wipe	850212	SARGENT2
ND (1.0 ng/sample)	A006-2490-A-L	Ambient Air-120 Lister (Northeast)	850215	SARGENT2
ND (31 ng/meter <sup>2</sup> )	9300-2501-W-L	Wipe-Tank Trailer, Ser.#UNP461001, Comp. of 2	850214	SARGENT2
ND (8.0 ng/meter <sup>2</sup> )	9300-2511-W-L	Wipe-Trailer #503, Comp. of 2, top & under carriage	850215	SARGENT2
ND (4.0 ng/meter <sup>2</sup> )	9300-2512-W-L	Wipe-Tank #S-01, Blue Fiberglass, Comp. of 2 wipes	850301	SARGENT2
ND (4.0 ng/meter <sup>2</sup> )	9300-2513-W-L	Wipe-Tank # S-02, Rusty steel vessel, Comp. of 2 wipe	850216	SARGENT2
0.013 ppb	9000-2514-H-X	Water-Lake Newark, Effluent from CanSorbs	850218	SARGENT2
ND (8.0 ng/sample)	A006-2516-A-L	Ambient Air-120 Lister (Northeast)	850218	SARGENT2

P	C	S	S	T
S	L	A	O	A
L	I	M	R	S
T	E	.	T	k
.	N	D		
L	T	E	2	
N		S		
E	#	C		
ND (4.8 ng/wipe)	F027-2517-W-L	Field Blank-Wipe	850215	SARGENT2
ND (20 ng/meter <sup>2</sup> )	9200-2518-W-L	Wipe-Truck Axle #5-03, Composite of 2 wipes	850216	SARGENT2
ND (4.6 ng/meter <sup>2</sup> )	9200-2519-W-L	Wipe-Truck Fifth Wheel #5-04, Comp. of 2 wipes	850216	SARGENT2
ND (0.52 ppb)	9500-2588-S-Y	Backfill Sand from Stavolla Quarry, med to fine orang	850301	SARGENT2
ND (0.076 ppb)	9500-2589-P-Y	Backfill Railroad Ballast Rock from Stavolla Quarry	850301	SARGENT2
ND (0.075 ppb)	9500-2590-R-Y	Backfill Crushed Stone from Stavolla Quarry	850301	SARGENT2
0.0022 ppb	9100-2596-H-X	Decon Water from Tank Farm, Comp. of 002, 003, 004	850301	SARGENT2
ND (0.0013 ppb)	F-9-6-2599-298-H-Y	Monitoring Well MW-101 (120 Lister)	850306	SARGENT2
ND (0.0012 ppb)	D-12-D-2600-298-H-Y	Monitoring Well MW-102 (120 Lister)	850306	SARGENT2
ND (0.0021 ppb)	T022-2602-H-Y	Travel Blank-Monitoring Well Water	850306	SARGENT2
ND (0.0004 ppb)	F035-2603-H-Y	Field Blank-Monitoring Well Water	850306	SARGENT2
ND (0.66 ppb)	RS-1-2624-100-S-L	Soil-Excavation#1,Comp.of 5 0-3"takes fr.exc.grade 6"	850312	SARGENT2
7.5 ppb	RS-2-2625-100-S-L	Soil-Excavation#2,Comp.of 5 0-3"takes fr.exc.grade12"	850311	SARGENT2
0.5 ppb	RS-3-2626-100-S-L	Soil-Excavation#3,Comp.of 5 0-3"takes fr.exc.grade12"	850328	SARGENT2
19.1 ppb	RS-4-2627-100-S-L	Soil-Excavation#4,Comp.of 5 0-3"takes fr.exc.grade12"	850320	SARGENT2
31.0 ppb	RS-5-2628-100-S-L	Soil-Excavation#5,Comp.of 5 0-3"takes fr.exc.grade12"	850320	SARGENT2
ND (0.0033 ppb)	F037-2629-H-L	Field Blank-Remedial Soils	850320	SARGENT2
ND (0.011 ppb)	T023-2630-H-L	Travel Blank-Remedial Soils	850320	SARGENT2
ND (1.7 ng/sample)	A006-2637-A-L	Ambient Air-120 Lister (Northeast)	850307	SARGENT2
ND (0.85 ng/sample)	A006-2640-A-L	Ambient Air-120 Lister (Northeast)	850308	SARGENT2
ND (0.06 ppb)	9500-2658-S-Y	Backfill Concrete Sand from Dallenbach Sand Co.	850308	SARGENT2
ND (0.30 ppb)	9500-2659-S-Y	Backfill Bank Run Sand from Dallenbach Sand Co.	850308	SARGENT2
ND (5.3 ng/wipe)	9100-2671-W-L	Wipe-Decon Floor @ step-off point into the Break Area	850329	SARGENT2
ND (18.8 ng/wipe)	9100-2672-W-L	Wipe-Shower Trailer Floor @ Decon entrance	850329	SARGENT2
ND (0.40 ng/wipe)	9100-2675-W-L	Wipe-Lab Trailer Floor just inside main door	850329	SARGENT2
ND (2.0 ng/sample)	A006-2685-A-L	Ambient Air-120 Lister (Northeast)	850319	SARGENT2
ND (2.8 ng/sample)	A006-2707-A-L	Ambient Air-120 Lister (Northeast)	850328	SARGENT2
0.47 ppb	RS-2-2714-100-S-L	Soil-Excavation#2,Comp.of 5 0-3"takes fr.exc.grade12"	850322	SARGENT2
ND (3.1 ng/sample)	A006-2717-A-L	Ambient Air-120 Lister (Southwest)	850328	SARGENT2
ND (12.8 ng/sample)	A006-2718-A-L	Ambient Air-120 Lister (SCA/East)	850328	SARGENT2
ND (3.8 ng/sample)	A006-2732-A-L	Ambient Air-120 Lister (East)	850330	SARGENT2
ND (0.0019 ppb)	9100-2733-H-X	Lake Newark Water, Tank Farm, Tank#001, Comp. of grabs	850327	SARGENT2
ND (0.42 ng/sample)	A006-2749-A-L	Ambient Air-120 Lister (Northeast)	850401	SARGENT2
8.9 ng/sample	A006-2756-A-L	Ambient Air-120 Lister (East)	850402	SARGENT2

APPENDIX  
**C**



APPENDIX C

APPENDIX C  
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FEBRUARY 11, 1985 DIOXIN RESULTS ISSUE	C-1
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IT CORPORATION

February 11, 1985

Mr. Robert Holden  
Diamond Shamrock Chemical Company  
1100 Superior Avenue  
Cleveland, Ohio 44114

Dear Mr. Holden:

The attached data report completes the dioxin analytical work for all soil (near-surface nodes, NJDEP bias locations, and borings) and chip samples collected from the 120 Lister Avenue site per ACO II and the Work Plan, as requested for issue by February 15, 1985. Please note this report does not include results for the additional samples collected at the site on February 4-7, 1985. A separate inventory list of the soil and chip samples collected is also included.

Please feel free to call if I can be of any further assistance.

Very truly yours,

✓ Carol A. Colclough  
Analytical Project Manager

lm

Enclosure

cc: J. Hampton  
R. Lidstrom  
E. Noble  
S. Wojinski

Regional Office

IT Corporation • 312 Directors Drive • Knoxville, Tennessee 37923 • 615-690-3211

DEP\DA0099114

## IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

120 Lister Dioxin Results: Soils &amp; Chips

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PAGE 1

RESULTS	CLIENT #	SAM.DESC	SORT 2
1.2 ppb	C-8-D-2000-100-S-L	Near Surface Soil-Station C-8-D, 1-6"	850115
24.3 ppb	C-8-D-2001-101-S-L	Near Surface Soil-Station C-8-D, 6-12"	850115
2.1 ppb	C-8-D-2002-102-S-L	Near Surface Soil-Station C-8-D, 12-24"	850115
0.48 ppb	H-9-D-2003-100-S-L	Near Surface Soil-Station H-9-D, 0-6"	850115
1.1 ppb	H-9-D-2004-101-S-L	Near Surface Soil-Station H-9-D, 6-12"	850115
0.79 ppb	H-9-D-2005-102-S-L	Near Surface Soil-Station H-9-D, 12-24"	850115
8.3 ppb	J-11-D-2006-100-S-L	Near Surface Soil-Station J-11-D, 0-6"	850115
1.3 ppb	J-11-D-2007-101-S-L	Near Surface Soil-Station J-11-D, 6-12"	850115
ND (0.70 ppb)	J-11-D-2008-102-S-L	Near Surface Soil-Station J-11-D, 12-24"	850115
0.57 ppb	K-10-D-2009-100-S-L	Near Surface Soil-Station K-10-D, 0-6"	850116
0.27 ppb	4100-2014-C-L	Chip-Brick Bldg, Interior, N.W. Corner	850115
ND (0.30 ppb)	4501-2015-C-L	Chip-Brick Bldg, Exterior, N.W. Corner	850115
0.48 ppb	4100-2016-C-L	Chip-Brick Bldg, Interior, S.E. Corner	850115
1.1 ppb	4400-2017-C-L	Chip-Brick Bldg, Roof	850115
0.13 ppb	4100-2018-C-L	Chip-Brick Bldg, Floor	850115
ND (0.30 ppb)	4503-2019-C-L	Chip-Brick Bldg, Exterior, S.E. Corner	850115
ND (0.30 ppb)	5100-2057-C-L	Chip-Block Bldg, Interior, N.W. Corner	850116
ND (0.23 ppb)	5501-2058-C-L	Chip-Block Bldg, Exterior, N.W. Corner	850116
ND (5.0 ppb)	5100-2059-C-L	Chip-Block Bldg, Interior, S.E. Corner	850116
ND (0.10 ppb)	5300-2060-C-L	Chip-Block Bldg, Exterior, S.E. Corner	850116
ND (0.40 ppb)	5100-2061-C-L	Chip-Block Bldg, High Traffic	850116
0.39 ppb	5400-2062-C-L	Chip-Block Bldg, Roof	850116
ND (0.72 ppb)	G-10-D-2063-100-S-L	Near Surface Soil-Station G-10-D, 0-6"	850116
ND (0.50 ppb)	G-10-D-2064-101-S-L	Near Surface Soil-Station G-10-D, 6-12"	850116
0.55 ppb	E-10-D-2066-100-S-L	Near Surface Soil-Station E-10-D, 0-6"	850116
ND (0.08 ppb)	E-10-D-2067-101-S-L	Near Surface Soil-Station E-10-D, 6-12"	850116
ND (0.58 ppb)	E-10-D-2068-102-S-L	Near Surface Soil-Station E-10-D, 12-24"	850116
ND (0.7 ppb)	D-10-D-2069-100-S-L	Near Surface Soil-Station D-10-D, 0-6"	850119
1.0 ppb	C-9-D-2103-100-S-L	Near Surface Soil-Station C-9-D, 0-6"	850117
1.0 ppb	C-9-D-2104-101-S-L	Near Surface Soil-Station C-9-D, 6-12"	850117
4.9 ppb	C-9-D-2105-102-S-L	Near Surface Soil-Station C-9-D, 12-24"	850117
ND (0.10 ppb)	G-11-D-2111-100-S-L	Near Surface Soil-Station G-11-D, 0-6"	850119
ND (0.3 ppb)	G-11-D-2112-101-S-L	Near Surface Soil-Station G-11-D, 6-12"	850119
ND (1.5 ppb)	G-11-D-2113-102-S-L	Near Surface Soil-Station G-11-D, 12-24"	850119
0.62 ppb	E-12-G-2114-100-S-L	Near Surface Soil-Station E-12-G, 0-6"	850119
1.1 ppb	9300-2178-C-L	Chip-Tile Bldg,NW Corner,Interior,High/Mid/Low ea wal	850119
1.9 ppb	9300-2179-C-L	Chip-Tile Bldg,SE Corner,Interior,High/Mid/Low ea wal	850119
ND (1.0 ppb)	9300-2180-C-L	Chip-Tile Bldg,NW Corner,Exterior,High/Mid/Low ea wal	850119
ND (0.90 ppb)	9300-2181-C-L	Chip-Tile Bldg,SE Corner,Exterior,High/Mid/Low ea wal	850119
6.3 ppb	9300-2182-C-L	Chip-Tile Bldg, Floor, High Traffic Area	850119
0.67 ppb	9300-2183-C-L	Chip-Tile Bldg, Roof	850119
1.1 ppb	K-12-B-2072-100-S-Y	Soil Boring-Station K-12-B, 0-6"	850117
2.7 ppb	K-12-B-2073-101-S-Y	Soil Boring-Station K-12-B, 6-12"	850117
0.76 ppb	K-12-B-2074-102-S-Y	Soil Boring-Station K-12-B, 12-24"	850117
11.4 ppb	H-12-D-2108-100-S-Y	Near Surface Soil-Station H-12-D, 0-6"	850117
17.5 ppb	H-12-D-2109-101-S-Y	Near Surface Soil-Station H-12-D, 6-12"	850117
1.1 ppb	H-12-D-2110-102-S-Y	Near Surface Soil-Station H-12-D, 12-24"	850117
6.9 ppb	D-12-D-2117-100-S-Y	Soil Boring-Station D-12-D, 0-6"	850118
ND (3.0 ppb)	D-12-D-2118-101-S-Y	Soil Boring-Station D-12-D, 6-12"	850118
ND (1.7 ppb)	D-12-D-2119-102-S-Y	Soil Boring-Station D-12-D, 12-24"	850118

## IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

120 Lister Dioxin Results: Soils &amp; Chips

PRODUCED ON 02/11/85 AT 16:18

PAGE 2

RESULTS	CLIENT #	SAM.DESC	SORT 2
1.7 ppb	C-10-H-2159-100-S-Y	Near Surface Soil-Station C-10-H, 0-6"	850119
11.0 ppb	C-10-H-2160-101-S-Y	Near Surface Soil-Station C-10-H, 6-12"	850119
1.4 ppb	C-10-H-2161-102-S-Y	Near Surface Soil-Station C-10-H, 12-24"	850119
2.8 ppb	D-8-I-2162-100-S-Y	Near Surface Soil-Station D-8-I, 0-6"	850119
2.9 ppb	D-8-I-2163-101-S-Y	Near Surface Soil-Station D-8-I, 6-12"	850119
71. ppb	E-11-F-2165-100-S-Y	Near Surface Soil-Station E-11-F, 0-6"	850119
> 490. ppb	E-11-F-2166-101-S-Y	Near Surface Soil-Station E-11-F, 6-12"	850119
97.0 ppb	E-11-F-2167-102-S-Y	Near Surface Soil-Station E-11-F, 12-24"	850119
2.1 ppb	K-9-D-2168-100-S-Y	Soil Boring-Station K-9-D, 0-6"	850119
5.1 ppb	K-9-D-2169-101-S-Y	Soil Boring-Station K-9-D, 6-12"	850119
4.2 ppb	K-9-D-2170-102-S-Y	Soil Boring-Station K-9-D, 12-24"	850119
1.1 ppb	K-9-D-2171-103-S-Y	Soil Boring-Station K-9-D, 18" interval	850119
0.42 ppb	K-9-D-2172-104-S-Y	Soil Boring-Station K-9-D, 18" interval	850119
0.30 ppb	K-9-D-2173-105-S-Y	Soil Boring-Station K-9-D, 18" interval	850119
ND (0.20 ppb)	K-9-D-2174-106-S-Y	Soil Boring-Station K-9-D, 18" interval	850119
ND (0.20 ppb)	K-9-D-2175-107-S-Y	Soil Boring-Station K-9-D, 18" interval	850119
ND (0.07 ppb)	K-9-D-2177-109-S-Y	Soil Boring-Station K-9-D, 18" interval	850119
0.56 ppb	F-9-G-2185-100-S-Y	Soil Boring-Station F-9-G, 0-6"	850123
0.58 ppb	F-9-G-2186-101-S-Y	Soil Boring-Station F-9-G, 6-12"	850123
ND (0.30 ppb)	F-9-G-2187-102-S-Y	Soil Boring-Station F-9-G, 12-24"	850123
ND (0.30 ppb)	F-9-G-2188-103-S-Y	Soil Boring-Station F-9-G, 18" interval	850123
ND (0.30 ppb)	F-9-G-2189-104-S-Y	Soil Boring-Station F-9-G, 18" interval	850123
ND (0.60 ppb)	F-9-G-2194-109-S-Y	Soil Boring-Station F-9-G, 18" interval	850123
0.34 ppb	K-12-B-2197-103-S-Y	Soil Boring-Station K-12-B, 18" interval	850124
0.19 ppb	K-12-B-2198-104-S-Y	Soil Boring-Station K-12-B, 18" interval	850124
0.72 ppb	K-12-B-2199-105-S-Y	Soil Boring-Station K-12-B, 18" interval	850124
0.60 ppb	K-12-B-2200-106-S-Y	Soil Boring-Station K-12-B, 18" interval	850124
0.84 ppb	K-12-B-2201-107-S-Y	Soil Boring-Station K-12-B, 18" interval	850124
0.54 ppb	K-12-B-2203-109-S-Y	Soil Boring-Station K-12-B, 18" interval	850124
0.49 ppb	D-12-D-2204-103-S-Y	Soil Boring-Station D-12-D, 18" interval	850123
0.45 ppb	D-12-D-2205-104-S-Y	Soil Boring-Station D-12-D, 18" interval	850123
0.23 ppb	D-12-D-2206-105-S-Y	Soil Boring-Station D-12-D, 18" interval	850123
ND (0.40 ppb)	D-12-D-2210-109-S-Y	Soil Boring-Station D-12-D, 18" interval	850123

2557 RECORDS EXAMINED ; 83 SELECTIONS QUALIFIED

## IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

Sample Inventory: 120 Lister Soils/Chips

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PAGE 1

SAMPLE #	ANA.STAT	SORT 2	SAM.DESC	CLIENT #	
L2000	00	07	850115	Near Surface Soil-Station C-8-D, 1-6"	C-8-D-2000-100-S-L
L2001	00	07	850115	Near Surface Soil-Station C-8-D, 6-12"	C-8-D-2001-101-S-L
L2002	00	07	850115	Near Surface Soil-Station C-8-D, 12-24"	C-8-D-2002-102-S-L
L2003	00	07	850115	Near Surface Soil-Station H-9-D, 0-6"	H-9-D-2003-100-S-L
L2004	00	07	850115	Near Surface Soil-Station H-9-D, 6-12"	H-9-D-2004-101-S-L
L2005	00	07	850115	Near Surface Soil-Station H-9-D, 12-24"	H-9-D-2005-102-S-L
L2006	00	07	850115	Near Surface Soil-Station J-11-D, 0-6"	J-11-D-2006-100-S-L
L2007	00	07	850115	Near Surface Soil-Station J-11-D, 6-12"	J-11-D-2007-101-S-L
L2008	00	07	850115	Near Surface Soil-Station J-11-D, 12-24"	J-11-D-2008-102-S-L
L2009	00	07	850116	Near Surface Soil-Station K-10-D, 0-6"	K-10-D-2009-100-S-L
L2014	00	07	850115	Chip-Brick Bldg, Interior, N.W. Corner	4100-2014-C-L
L2015	00	07	850115	Chip-Brick Bldg, Exterior, N.W. Corner	4501-2015-C-L
L2016	00	07	850115	Chip-Brick Bldg, Interior, S.E. Corner	4100-2016-C-L
L2017	00	07	850115	Chip-Brick Bldg, Roof	4400-2017-C-L
L2018	00	07	850115	Chip-Brick Bldg, Floor	4100-2018-C-L
L2019	00	07	850115	Chip-Brick Bldg, Exterior, S.E. Corner	4503-2019-C-L
L2057	00	07	850116	Chip-Block Bldg, Interior, N.W. Corner	5100-2057-C-L
L2058	00	07	850116	Chip-Block Bldg, Exterior, N.W. Corner	5501-2058-C-L
L2059	00	07	850116	Chip-Block Bldg, Interior, S.E. Corner	5100-2059-C-L
L2060	00	07	850116	Chip-Block Bldg, Exterior, S.E. Corner	5300-2060-C-L
L2061	00	07	850116	Chip-Block Bldg, High Traffic	5100-2061-C-L
L2062	00	07	850116	Chip-Block Bldg, Roof	5400-2062-C-L
L2063	00	07	850116	Near Surface Soil-Station G-10-D, 0-6"	G-10-D-2063-100-S-L
L2064	00	07	850116	Near Surface Soil-Station G-10-D, 6-12"	G-10-D-2064-101-S-L
L2066	00	07	850116	Near Surface Soil-Station E-10-D, 0-6"	E-10-D-2066-100-S-L
L2067	00	07	850116	Near Surface Soil-Station E-10-D, 6-12"	E-10-D-2067-101-S-L
L2068	00	07	850116	Near Surface Soil-Station E-10-D, 12-24"	E-10-D-2068-102-S-L
L2069	00	07	850119	Near Surface Soil-Station D-10-D, 0-6"	D-10-D-2069-100-S-L
L2103	00	07	850117	Near Surface Soil-Station C-9-D, 0-6"	C-9-D-2103-100-S-L
L2104	00	07	850117	Near Surface Soil-Station C-9-D, 6-12"	C-9-D-2104-101-S-L
L2105	00	07	850117	Near Surface Soil-Station C-9-D, 12-24"	C-9-D-2105-102-S-L
L2111	00	07	850119	Near Surface Soil-Station G-11-D, 0-6"	G-11-D-2111-100-S-L
L2112	00	07	850119	Near Surface Soil-Station G-11-D, 6-12"	G-11-D-2112-101-S-L
L2113	00	07	850119	Near Surface Soil-Station G-11-D, 12-24"	G-11-D-2113-102-S-L
L2114	00	07	850119	Near Surface Soil-Station E-12-G, 0-6"	E-12-G-2114-100-S-L
L2178	00	07	850119	Chip-Tile Bldg,NW Corner,Interior,High/Mid/Low ea wal	9300-2178-C-L
L2179	00	07	850119	Chip-Tile Bldg,SE Corner,Interior,High/Mid/Low ea wal	9300-2179-C-L
L2180	00	07	850119	Chip-Tile Bldg,NW Corner,Exterior,High/Mid/Low ea wal	9300-2180-C-L
L2181	00	07	850119	Chip-Tile Bldg,SE Corner,Exterior,High/Mid/Low ea wal	9300-2181-C-L
L2182	00	07	850119	Chip-Tile Bldg, Floor, High Traffic Area	9300-2182-C-L
L2183	00	07	850119	Chip-Tile Bldg, Roof	9300-2183-C-L
Y2072	00	07	850117	Soil Boring-Station K-12-B, 0-6"	K-12-B-2072-100-S-Y
Y2073	00	07	850117	Soil Boring-Station K-12-B, 6-12"	K-12-B-2073-101-S-Y
Y2074	00	07	850117	Soil Boring-Station K-12-B, 12-24"	K-12-B-2074-102-S-Y
Y2108	00	07	850117	Near Surface Soil-Station H-12-D, 0-6"	H-12-D-2108-100-S-Y
Y2109	00	07	850117	Near Surface Soil-Station H-12-D, 6-12"	H-12-D-2109-101-S-Y
Y2110	00	07	850117	Near Surface Soil-Station H-12-D, 12-24"	H-12-D-2110-102-S-Y
Y2117	00	07	850118	Soil Boring-Station D-12-D, 0-6"	D-12-D-2117-100-S-Y
Y2118	00	07	850118	Soil Boring-Station D-12-D, 6-12"	D-12-D-2118-101-S-Y
Y2119	00	07	850118	Soil Boring-Station D-12-D, 12-24"	D-12-D-2119-102-S-Y

## IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

Sample Inventory: 120 Lister Soils/Chips

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SAMPLE #	ANA.STAT	SORT 2	SAM.DESC	CLIENT #	
Y2159	00	07	850119	Near Surface Soil-Station C-10-H, 0-6"	C-10-H-2159-100-S-Y
Y2160	00	07	850119	Near Surface Soil-Station C-10-H, 6-12"	C-10-H-2160-101-S-Y
Y2161	00	07	850119	Near Surface Soil-Station C-10-H, 12-24"	C-10-H-2161-102-S-Y
Y2162	00	07	850119	Near Surface Soil-Station D-8-I, 0-6"	D-8-I-2162-100-S-Y
Y2163	00	07	850119	Near Surface Soil-Station D-8-I, 6-12"	D-8-I-2163-101-S-Y
Y2165	00	07	850119	Near Surface Soil-Station E-11-F, 0-6"	E-11-F-2165-100-S-Y
Y2166	00	07	850119	Near Surface Soil-Station E-11-F, 6-12"	E-11-F-2166-101-S-Y
Y2167	00	07	850119	Near Surface Soil-Station E-11-F, 12-24"	E-11-F-2167-102-S-Y
Y2168	00	07	850119	Soil Boring-Station K-9-D, 0-6"	K-9-D-2168-100-S-Y
Y2169	00	07	850119	Soil Boring-Station K-9-D, 6-12"	K-9-D-2169-101-S-Y
Y2170	00	07	850119	Soil Boring-Station K-9-D, 12-24"	K-9-D-2170-102-S-Y
Y2171	00	07	850119	Soil Boring-Station K-9-D, 18" interval	K-9-D-2171-103-S-Y
Y2172	00	07	850119	Soil Boring-Station K-9-D, 18" interval	K-9-D-2172-104-S-Y
Y2173	00	07	850119	Soil Boring-Station K-9-D, 18" interval	K-9-D-2173-105-S-Y
Y2174	00	07	850119	Soil Boring-Station K-9-D, 18" interval	K-9-D-2174-106-S-Y
Y2175	00	07	850119	Soil Boring-Station K-9-D, 18" interval	K-9-D-2175-107-S-Y
Y2177	00	07	850119	Soil Boring-Station K-9-D, 18" interval	K-9-D-2177-109-S-Y
Y2185	00	07	850123	Soil Boring-Station F-9-G, 0-6"	F-9-G-2185-100-S-Y
Y2186	00	07	850123	Soil Boring-Station F-9-G, 6-12"	F-9-G-2186-101-S-Y
Y2187	00	07	850123	Soil Boring-Station F-9-G, 12-24"	F-9-G-2187-102-S-Y
Y2188	00	07	850123	Soil Boring-Station F-9-G, 18" interval	F-9-G-2188-103-S-Y
Y2189	00	07	850123	Soil Boring-Station F-9-G, 18" interval	F-9-G-2189-104-S-Y
Y2194	00	07	850123	Soil Boring-Station F-9-G, 18" interval	F-9-G-2194-109-S-Y
Y2197	00	07	850124	Soil Boring-Station K-12-B, 18" interval	K-12-B-2197-103-S-Y
Y2198	00	07	850124	Soil Boring-Station K-12-B, 18" interval	K-12-B-2198-104-S-Y
Y2199	00	07	850124	Soil Boring-Station K-12-B, 18" interval	K-12-B-2199-105-S-Y
Y2200	00	07	850124	Soil Boring-Station K-12-B, 18" interval	K-12-B-2200-106-S-Y
Y2201	00	07	850124	Soil Boring-Station K-12-B, 18" interval	K-12-B-2201-107-S-Y
Y2203	00	07	850124	Soil Boring-Station K-12-B, 18" interval	K-12-B-2203-109-S-Y
Y2204	00	07	850123	Soil Boring-Station D-12-D, 18" interval	D-12-D-2204-103-S-Y
Y2205	00	07	850123	Soil Boring-Station D-12-D, 18" interval	D-12-D-2205-104-S-Y
Y2206	00	07	850123	Soil Boring-Station D-12-D, 18" interval	D-12-D-2206-105-S-Y
Y2210	00	07	850123	Soil Boring-Station D-12-D, 18" interval	D-12-D-2210-109-S-Y

9614 RECORDS EXAMINED ; 83 SELECTIONS QUALIFIED

A	C	S	S
N	L	A	O
A	I	M	R
.	E	.	T
S	N	D	
T	T	E	2
A		S	
T	#	C	

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01 9200-2531-W-L      Wipe-Mack Truck Tailgate #S-05, composite of 2 wipes 850219
01 9200-2532-W-L      Wipe-Mack Truck Tailgate #S-10, composite of 2 wipes 850219
01 9200-2533-W-L      Wipe-Truck Fuel Tank #S-13, composite of 2 wipes 850219
01 9200-2534-W-L      Wipe-Truck Fuel Tank #S-14, composite of 2 wipes 850219
01 9200-2546-W-L      Wipe-Truck Fuel Tank #S-20, Composite of 2 wipes 850306
01 9200-2560-W-L      Wipe-Trailer #SD-222, Composite of 2 wipes 850306
01 9200-2614-W-L      Wipe-Vessel #S-30, Composite of 2 wipes 850305
01 9200-2615-W-L      Wipe-Pipe #S-31, Composite of 2 wipes 850305
01 9200-2616-W-L      Wipe-Pipe #S-32, Composite of 2 wipes 850305
01 9200-2617-W-L      Wipe-Pipe #S-33, Composite of 2 wipes 850305
01 9200-2618-W-L      Wipe-Vessel #S-34, Composite of 2 wipes 850305
01 9200-2619-W-L      Wipe-Vessel #S-35, Composite of 2 wipes 850305
01 9200-2620-W-L      Wipe-Box Trailer #S-36, Composite of 2 wipes 850305
01 9200-2622-W-L      Wipe-Vessel #S-37, Composite of 2 wipes 850306
01 9200-2623-W-L      Wipe-Vessel #S38, Composite of 2 wipes 850306
01 9800-2752-S-G      Near Surface Soil-Hot Spot in Excavation,Comp.5 0-3" 850402
07 C-10-D-2271-100-S-L Near Surface Soil-Station C-10-D, 0-6" (N110,E493) 850129
07 C-10-D-2272-101-S-L Near Surface Soil-Station C-10-D, 6-12" (N110,E493) 850129
01 C-10-D-2273-102-S-L Near Surface Soil-Station C-10-D, 12-24" (N110,E493) 850129
01 C-11-D-2265-100-S-L Near Surface Soil-Station C-11-D, 0-6" (N110,E543) 850129
01 C-11-D-2266-101-S-L Near Surface Soil-Station C-11-D, 6-12" (N110,E543) 850129
01 C-11-D-2267-102-S-L Near Surface Soil-Station C-11-D, 12-24" (N110,E543) 850129
01 C-12-D-2262-100-S-L Near Surface Soil-Station C-12-D, 0-6" (N110,E593) 850129
01 C-12-D-2263-101-S-L Near Surface Soil-Station C-12-D, 6-12" (N110,E593) 850129
01 C-12-D-2264-102-S-L Near Surface Soil-Station C-12-D, 12-24" (N110,E593) 850129
01 D-11-D-2284-100-S-L Near Surface Soil-Station D-11-D, 0-6" (N160,E543) 850130
01 D-11-D-2285-101-S-L Near Surface Soil-Station D-11-D, 6-12" (N160,E543) 850130
01 D-11-D-2286-102-S-L Near Surface Soil-Station D-11-D, 12-24" (N160,E543) 850130
01 D-11-6-2346-103-S-L Soil Boring-Station D-11-6, 12" interval 850205
01 D-11-6-2347-104-S-L Soil Boring-Station E-11-6, 12" interval 850205
01 D-11-6-2348-105-S-L Soil Boring-Station D-11-6, 12" interval 850205
01 D-11-6-2349-106-S-L Soil Boring-Station D-11-6, 12" interval 850205
01 D-11-6-2352-109-S-L Soil Boring-Station D-11-6, 12" interval 850205
01 D-9-D-2287-100-S-L Near Surface Soil-Station D-9-D, 0-6" (N160,E443) 850130
01 D-9-D-2288-101-S-L Near Surface Soil-Station D-9-D, 6-12" (N160,E443) 850130
01 D-9-D-2289-102-S-L Near Surface Soil-Station D-9-D, 12-24" (N160,E443) 850130
01 E-10-L-2379-103-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2380-104-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2381-105-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2382-107-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2382-106-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2385-109-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-11-D-2290-100-S-L Near Surface Soil-Station E-11-D, 0-6" (N210,E543) 850130
01 E-11-D-2291-101-S-L Near Surface Soil-Station E-11-D, 6-12" (N210,E543) 850130
07 E-11-F-2330-105-S-L Soil Boring-Station E-11-F, 12" interval 850204
07 E-11-F-2331-106-S-L Soil Boring-Station E-11-F, 12" interval 850204
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07 E-11-F-2332-107-S-L Soil Boring-Station E-11-F, 12" interval 850204
07 E-11-F-2334-109-S-L Soil Boring-Station E-11-F, 12" interval 850204
01 E-11-N-2369-103-S-L Soil Boring-Station E-11-N, 12" interval 850206
01 E-11-N-2370-104-S-L Soil Boring-Station E-11-N, 12" interval 850206
01 E-11-N-2371-105-S-L Soil Boring-Station E-11-N, 12" interval 850206
01 E-11-N-2375-109-S-L Soil Boring-Station E-11-N, 12" interval 850206
01 E-11-P-2338-105-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-11-P-2339-106-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-11-P-2340-107-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-11-P-2341-108-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-11-P-2342-109-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-9-D-2388-100-S-L Near Surface Soil-Station E-9-D, 0-6" 850206
01 E-9-D-2389-101-S-L Near Surface Soil-Station E-9-D, 6-12" 850206
01 E-9-D-2390-102-S-L Near Surface Soil-Station E-9-D, 12-24" 850206
01 F030-2547-W-L Field Blank-Wipes 850306
01 F036-2621-W-L Field Blank-Wipe 850305
07 F-10-D-2293-100-S-Y Near Surface Soil-Station F-10-D, 0-6" (N260,E493) 850131
01 F-10-D-2294-101-S-Y Near Surface Soil-Station F-10-D, 6-12" (N260,E493) 850131
01 F-10-D-2295-102-S-Y Near Surface Soil-Station F-10-D, 12-24" (N260,E493) 850131
01 G-9-D-2296-100-S-Y Near Surface Soil-Station G-9-D, 0-6" (N310,E443) 850131
01 G-9-D-2297-101-S-Y Near Surface Soil-Station G-9-D, 6-12" (N310,E443) 850131
01 G-9-D-2298-102-S-Y Near Surface Soil-Station G-9-D, 12-24" (N310,E443) 850131
01 H-10-D-2305-100-S-Y Near Surface Soil-Station H-10-D, 0-6" (N360,E493) 850131
01 H-10-D-2306-101-S-L Near Surface Soil-Station H-10-D, 6-12" (N360,E493) 850131
01 H-10-D-2307-102-S-L Near Surface Soil-Station H-10-D, 12-24" (N360,E493) 850131
07 H-11-D-2308-100-S-Y Near Surface Soil-Station H-11-D, 0-6" (N360,E543) 850131
01 H-11-D-2309-101-S-Y Near Surface Soil-Station H-11-D, 6-12" (N360,E543) 850131
01 H-11-D-2310-102-S-L Near Surface Soil-Station H-11-D, 12-24" (N360,E543) 850131
07 J-12-D-2314-100-S-L Near Surface Soil-Station J-12-D, 0-6" (N410,E593) 850201
01 J-12-D-2315-101-S-L Near Surface Soil-Station J-12-D, 6-12" (N410,E593) 850201
01 J-12-D-2316-102-S-L Near Surface Soil-Station J-12-D, 12-24" (N410,E593) 850201
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C L I E N T  #	S A M P L E S C	S O I L  2	R E S U L T  E
C-10-D-2271-100-S-L	Near Surface Soil-Station C-10-D, 0-6" (N110,E493)	850129	ND (0.83 ppb)
C-10-D-2272-101-S-L	Near Surface Soil-Station C-10-D, 6-12" (N110,E493)	850129	ND (0.86 ppb)
C-10-H-2159-100-S-Y	Near Surface Soil-Station C-10-H, 0-6"	850119	1.7 ppb
C-10-H-2160-101-S-Y	Near Surface Soil-Station C-10-H, 6-12"	850119	11.0 ppb
C-10-H-2161-102-S-Y	Near Surface Soil-Station C-10-H, 12-24"	850119	1.4 ppb
C-8-D-2000-100-S-L	Near Surface Soil-Station C-8-D, 1-6"	850115	1.2 ppb
C-8-D-2001-101-S-L	Near Surface Soil-Station C-8-D, 6-12"	850115	24.3 ppb
C-8-D-2002-102-S-L	Near Surface Soil-Station C-8-D, 12-24"	850115	2.1 ppb
C-9-D-2103-100-S-L	Near Surface Soil-Station C-9-D, 0-6"	850117	1.0 ppb
C-9-D-2104-101-S-L	Near Surface Soil-Station C-9-D, 6-12"	850117	1.0 ppb
C-9-D-2105-102-S-L	Near Surface Soil-Station C-9-D, 12-24"	850117	4.9 ppb
D-10-D-2069-100-S-L	Near Surface Soil-Station D-10-D, 0-6"	850119	ND (0.7 ppb)
D-11-G-2343-100-S-L	Soil Boring-Station D-11-G, 0-6"	850205	67. ppb
D-11-G-2344-101-S-L	Soil Boring-Station D-11-G, 6-12"	850205	6.4 ppb
D-11-G-2345-102-S-L	Soil Boring-Station D-11-G, 12-24"	850205	8.9 ppb
D-12-D-2117-100-S-Y	Soil Boring-Station D-12-D, 0-6"	850118	6.9 ppb
D-12-D-2118-101-S-Y	Soil Boring-Station D-12-D, 6-12"	850118	ND (3.0 ppb)
D-12-D-2119-102-S-Y	Soil Boring-Station D-12-D, 12-24"	850118	ND (1.7 ppb)
D-12-D-2204-103-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	0.49 ppb
D-12-D-2205-104-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	0.45 ppb
D-12-D-2206-105-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	0.23 ppb
D-12-D-2210-109-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	ND (0.40 ppb)
D-8-I-2162-100-S-Y	Near Surface Soil-Station D-8-I, 0-6"	850119	2.8 ppb
D-8-I-2163-101-S-Y	Near Surface Soil-Station D-8-I, 6-12"	850119	2.9 ppb
E-10-D-2066-100-S-L	Near Surface Soil-Station E-10-D, 0-6"	850116	0.55 ppb
E-10-D-2067-101-S-L	Near Surface Soil-Station E-10-D, 6-12"	850116	ND (0.08 ppb)
E-10-D-2068-102-S-L	Near Surface Soil-Station E-10-D, 12-24"	850116	ND (0.58 ppb)
E-10-L-2376-100-S-L	Soil Boring-Station E-10-L, 0-6"	850206	1.2 ppb
E-10-L-2377-101-S-L	Soil Boring-Station E-10-L, 6-12"	850206	ND (0.48 ppb)
E-10-L-2378-102-S-L	Soil Boring-Station E-10-L, 12-24"	850206	ND (1.2 ppb)
E-11-F-2165-100-S-Y	Near Surface Soil-Station E-11-F, 0-6"	850119	71. ppb
E-11-F-2166-101-S-Y	Near Surface Soil-Station E-11-F, 6-12"	850119	> 490. ppb
E-11-F-2167-102-S-Y	Near Surface Soil-Station E-11-F, 12-24"	850119	97.0 ppb
E-11-F-2328-103-S-L	Soil Boring-Station E-11-F, 24-36"	850204	155. ppb
E-11-F-2329-104-S-L	Soil Boring-Station E-11-F, 36-48"	850204	73.5 ppb
E-11-F-2330-105-S-L	Soil Boring-Station E-11-F, 12" interval	850204	93.7 ppb
E-11-F-2331-106-S-L	Soil Boring-Station E-11-F, 12" interval	850204	61.5 ppb
E-11-F-2332-107-S-L	Soil Boring-Station E-11-F, 12" interval	850204	69.1 ppb
E-11-F-2334-109-S-L	Soil Boring-Station E-11-F, 12" interval	850204	17.4 ppb
E-11-N-2366-100-S-L	Soil Boring-Station E-11-N, 0-6"	850206	94.0 ppb
E-11-N-2367-101-S-L	Soil Boring-Station E-11-N, 6-12"	850206	19.0 ppb
E-11-N-2368-102-S-L	Soil Boring-Station E-11-N, 12-24"	850206	11.0 ppb
E-11-P-2336-103-S-L	Soil Boring-Station E-11-P, 24-36" (N201.1,E502.6)	850205	6.1 ppb
E-11-P-2337-104-S-L	Soil Boring-Station E-11-P, 36-48" (N201.1,E502.6)	850205	4.0 ppb
E-12-G-2114-100-S-L	Near Surface Soil-Station E-12-G, 0-6"	850119	0.62 ppb
F-10-D-2293-100-S-L	Near Surface Soil-Station F-10-D, 0-6" (N260,E493)	850131	2.2 ppb

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F-9-6-2185-100-S-Y	Soil Boring-Station F-9-6, 0-6"	850123	0.56 ppb
F-9-6-2186-101-S-Y	Soil Boring-Station F-9-6, 6-12"	850123	0.58 ppb
F-9-6-2187-102-S-Y	Soil Boring-Station F-9-6, 12-24"	850123	ND (0.30 ppb)
F-9-6-2188-103-S-Y	Soil Boring-Station F-9-6, 18" interval	850123	ND (0.30 ppb)
F-9-6-2189-104-S-Y	Soil Boring-Station F-9-6, 18" interval	850123	ND (0.30 ppb)
F-9-6-2194-109-S-Y	Soil Boring-Station F-9-6, 18" interval	850123	ND (0.60 ppb)
6-10-D-2063-100-S-L	Near Surface Soil-Station 6-10-D, 0-6"	850116	ND (0.72 ppb)
6-10-D-2064-101-S-L	Near Surface Soil-Station 6-10-D, 6-12"	850116	ND (0.50 ppb)
6-11-D-2111-100-S-L	Near Surface Soil-Station 6-11-D, 0-6"	850119	ND (0.10 ppb)
6-11-D-2112-101-S-L	Near Surface Soil-Station 6-11-D, 6-12"	850119	ND (0.3 ppb)
6-11-D-2113-102-S-L	Near Surface Soil-Station 6-11-D, 12-24"	850119	ND (1.5 ppb)
H-11-D-2308-100-S-L	Near Surface Soil-Station H-11-D, 0-6" (N360,E543)	850131	4.4 ppb
H-12-D-2108-100-S-Y	Near Surface Soil-Station H-12-D, 0-6"	850117	11.4 ppb
H-12-D-2109-101-S-Y	Near Surface Soil-Station H-12-D, 6-12"	850117	17.5 ppb
H-12-D-2110-102-S-Y	Near Surface Soil-Station H-12-D, 12-24"	850117	1.1 ppb
H-9-D-2003-100-S-L	Near Surface Soil-Station H-9-D, 0-16"	850115	0.48 ppb
H-9-D-2004-101-S-L	Near Surface Soil-Station H-9-D, 6-12"	850115	1.1 ppb
H-9-D-2005-102-S-L	Near Surface Soil-Station H-9-D, 12-24"	850115	0.79 ppb
J-11-D-2006-100-S-L	Near Surface Soil-Station J-11-D, 0-6"	850115	8.3 ppb
J-11-D-2007-101-S-L	Near Surface Soil-Station J-11-D, 6-12"	850115	1.3 ppb
J-11-D-2008-102-S-L	Near Surface Soil-Station J-11-D, 12-24"	850115	ND (0.07 ppb)
J-12-D-2314-100-S-L	Near Surface Soil-Station J-12-D, 0-6" (N410,E593)	850201	1.6 ppb
K-10-D-2009-100-S-L	Near Surface Soil-Station K-10-D, 0-6"	850116	0.57 ppb
K-12-B-2072-100-S-Y	Soil Boring-Station K-12-B, 0-6"	850117	1.1 ppb
K-12-B-2073-101-S-Y	Soil Boring-Station K-12-B, 6-12"	850117	2.7 ppb
K-12-B-2074-102-S-Y	Soil Boring-Station K-12-B, 12-24"	850117	0.76 ppb
K-12-B-2197-103-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	0.34 ppb
K-12-B-2198-104-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	0.19 ppb
K-12-B-2199-105-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	0.72 ppb
K-12-B-2200-106-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	0.60 ppb
K-12-B-2201-107-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	0.84 ppb
K-12-B-2203-109-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	0.54 ppb
K-9-D-2168-100-S-Y	Soil Boring-Station K-9-D, 0-6"	850119	2.1 ppb
K-9-D-2169-101-S-Y	Soil Boring-Station K-9-D, 6-12"	850119	5.1 ppb
K-9-D-2170-102-S-Y	Soil Boring-Station K-9-D, 12-24"	850119	4.2 ppb
K-9-D-2171-103-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	1.1 ppb
K-9-D-2172-104-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	0.42 ppb
K-9-D-2173-105-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	0.30 ppb
K-9-D-2174-106-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	ND (0.20 ppb)
K-9-D-2175-107-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	ND (0.20 ppb)
K-9-D-2177-109-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	ND (0.07 ppb)
RS-1-2624-100-S-L	Soil-Excavation#1,Comp.of 5 0-3"takes fr.exc.grade 6"	850312	ND (0.66 ppb)
RS-2-2625-100-S-L	Soil-Excavation#2,Comp.of 5 0-3"takes fr.exc.grade12"	850311	7.5 ppb
RS-2-2714-100-S-L	Soil-Excavation#2,Comp.of 5 0-3"takes fr.exc.grade12"	850322	0.47 ppb
RS-3-2626-100-S-L	Soil-Excavation#3,Comp.of 5 0-3"takes fr.exc.grade12"	850328	2.5 ppb
RS-4-2627-100-S-L	Soil-Excavation#4,Comp.of 5 0-3"takes fr.exc.grade12"	850320	19.1 ppb

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RS-5-2628-100-S-L	Soil-Excavation#5,Comp.of 5 0-3"takes fr.exc.grade12"	850320	31.0 ppb
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APPENDIX  
**D**

APPENDIX D

APPENDIX D

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**FOOTNOTES TO:  
Quantitative Priority Pollutant Analytical Results Tables**

**ND:** analyzed for, but not detected at the method detection limit for this sample, including dilution adjustments.

**\*:** reported value is estimated; the compound meets identification criteria but the result is less than the specified detection limit but greater than zero.

**\*\*:** detected and quantitated by GC, but detected below GC/MS DL so GC/MS confirmation not attempted; dual column GC confirmation has been performed. (Applies to pesticides only)

**§:** insufficient sample for analysis.

**a:** identification confirmed by GC/MS

**b:** results not available at this time



**ORGANIC PRIORITY POLLUTANT  
METHOD DETECTION LIMITS**

Individual Compound	CAS Number	Detection Limits	
		Low Water ug/L	Low Soil/Sediment ug/Kg
<b>VOLATILES:</b>			
1. Chloromethane	74-87-3	10	10
2. Bromomethane	74-83-9	10	10
3. Vinyl Chloride	75-01-4	10	10
4. Chloroethane	75-00-3	10	10
5. Methylene Chloride	75-09-2	5	5
6. Acetone	67-64-1	10	10
7. Carbon Disulfide	75-15-0	5	5
8. 1,1-Dichloroethene	75-35-4	5	5
9. 1,1-Dichloroethane	75-35-3	5	5
10. trans-1,2-Dichloroethene	156-60-5	5	5
11. Chloroform	67-66-3	5	5
12. 1,2-Dichloroethane	107-06-2	5	5
13. 2-Butanone	78-93-3	10	10
14. 1,1,1-Trichloroethane	71-55-6	5	5
15. Carbon Tetrachloride	56-23-5	5	5
16. Vinyl Acetate	108-05-4	10	10
17. Bromodichloromethane	75-27-4	5	5
18. 1,1,2,2-Tetrachloroethane	79-34-5	5	5
19. 1,2-Dichloropropane	78-87-5	5	5
20. trans-1,3-Dichloropropene	10061-02-6	5	5
21. Trichloroethene	79-01-6	5	5
22. Dibromochloromethane	124-48-1	5	5
23. 1,1,2-Trichloroethane	79-00-5	5	5
24. Benzene	71-43-2	5	5
25. cis-1,3-Dichloropropene	10061-01-5	5	5
26. 2-Chloroethyl Vinyl Ether	110-75-8	10	10
27. Bromoform	75-25-2	5	5
28. 2-Hexanone	591-78-6	10	10
29. 4-Methyl-2-pentanone	108-10-1	10	10
30. Tetrachloroethene	127-18-4	5	5
31. Toluene	108-88-3	5	5
32. Chlorobenzene	108-90-7	5	5
33. Ethyl Benzene	100-41-4	5	5
34. Styrene	100-42-5	5	5
35. Total Xylenes		5	5
<b>BASE/NEUTRAL/ACIDS:</b>			
36. N-Nitrosodimethylamine	62-75-9	10	330
37. Phenol	108-95-2	10	330
38. Aniline	62-53-3	10	330
39. bis(2-Chloroethyl)ether	111-44-4	10	330
40. 2-Chlorophenol	95-57-8	10	330

Individual Compound	CAS Number	Detection Limits	
		Low Water ug/L	Low Soil/Sediment ug/Kg
<b>BASE/NEUTRAL/ACIDS: (Cont'd)</b>			
41. 1,3-Dichlorobenzene	541-73-1	10	330
42. 1,4-Dichlorobenzene	106-46-7	10	330
43. Benzyl Alcohol	100-51-6	10	330
44. 1,2-Dichlorobenzene	95-50-1	10	330
45. 2-Methylphenol	95-48-7	10	330
46. bis(2-Chloroisopropyl)ether	39638-32-9	10	330
47. 4-Methylphenol	106-44-5	10	330
48. N-Nitroso-Dipropylamine	621-64-7	10	330
49. Hexachloroethane	67-72-1	10	330
50. Nitrobenzene	98-95-3	10	330
51. Isophorone	78-59-1	10	330
52. 2-Nitrophenol	88-75-5	10	330
53. 2,4-Dimethylphenol	105-67-9	10	330
54. Benzoic Acid	65-85-0	50	1600
55. bis(2-Chloroethoxy)methane	111-91-1	10	330
56. 2,4-Dichlorophenol	120-83-2	10	330
57. 1,2,4-Trichlorobenzene	120-82-1	10	330
58. Naphthalene	91-20-3	10	330
59. 4-Chloroaniline	106-47-8	10	330
60. Hexachlorobutadiene	87-68-3	10	330
61. 4-Chloro-3-methylphenol (para-chloro-meta-cresol)	59-50-7	10	330
62. 2-Methylnaphthalene	91-57-6	10	330
63. Hexachlorocyclopentadiene	77-47-4	10	330
64. 2,4,6-Trichlorophenol	88-06-2	10	330
65. 2,4,5-Trichlorophenol	95-95-4	50	1600
66. 2-Chloronaphthalene	91-58-7	10	330
67. 2-Nitroaniline	88-74-4	50	1600
68. Dimethyl Phthalate	131-11-3	10	330
69. Acenaphthylene	208-96-8	10	330
70. 3-Nitroaniline	99-09-2	50	1600
71. Acenaphthene	83-32-9	10	330
72. 2,4-Dinitrophenol	51-28-5	50	1600
73. 4-Nitrophenol	100-02-7	50	1600
74. Dibenzofuran	132-64-9	10	330
75. 2,4-Dinitrotoluene	121-14-2	10	330
76. 2,6-Dinitrotoluene	606-20-2	10	330
77. Diethylphthalate	84-66-2	10	330
78. 4-Chlorophenyl Phenyl ether	7005-72-3	10	330
79. Fluorene	86-73-7	10	330
80. 4-Nitroaniline	100-01-6	50	1600

Individual Compound	CAS Number	Detection Limits	
		Low Water ug/L	Low Soil/Sediment ug/Kg
<b>BASE/NEUTRAL/ACIDS: (Cont'd)</b>			
81. 4,6-Dinitro-2-methylphenol	534-52-1	50	1600
82. N-nitrosodiphenylamine	86-30-6	10	330
83. 4-Bromophenyl Phenyl ether	101-55-3	10	330
84. Hexachlorobenzene	118-74-1	10	330
85. Pentachlorophenol	87-86-5	50	1600
86. Phenanthrene	85-01-8	10	330
87. Anthracene	120-12-7	10	330
88. Di-n-butylphthalate	84-74-2	10	330
89. Fluoranthene	206-44-0	10	330
90. Benzidine	92-87-5	80	2600
91. Pyrene	129-00-0	10	330
92. Butyl Benzyl Phthalate	85-68-7	10	330
93. 3,3'-Dichlorobenzidine	91-94-1	20	660
94. Benzo(a)anthracene	56-55-3	10	330
95. bis(2-ethylhexyl)phthalate	117-81-7	10	330
96. Chrysene	218-01-9	10	330
97. Di-n-octyl Phthalate	117-84-0	10	330
98. Benzo(b)fluoranthene	205-99-2	10	330
99. Benzo(k)fluoranthene	207-08-9	10	330
100. Benzo(2)pyrene	50-32-8	10	330
101. Indeno(1,2,3-cd)pyrene	193-39-5	10	330
102. Dibenz(a,h)anthracene	53-70-3	10	330
103. Benzo(g,h,i)perylene	191-24-2	10	330
<b>PESTICIDES/PCBs:</b>			
104. alpha-BHC	319-84-6	0.10	20.0
105. beta-BHC	319-85-7	0.10	20.0
106. delta-BHC	319-86-8	0.10	20.0
107. gamma-BHC(Lindane)	58-89-9	0.10	20.0
108. Heptachlor	76-44-8	0.10	20.0
109. Aldrin	309-00-2	0.10	20.0
110. Heptachlor Epoxide	1024-57-3	0.10	20.0
111. Endosulfan I	959-98-8	0.10	20.0
112. Dieldrin	60-57-1	0.10	20.0
113. 4,4'-DDE	72-55-9	0.10	20.0
114. Endrin	72-20-8	0.10	20.0
115. Endosulfan II	33213-65-9	0.10	20.0
116. 4,4'-DDD	72-54-8	0.10	20.0
117. Endrin Aldehyde	7421-93-4	0.10	20.0
118. Endosulfan Sulfate	1031-07-8	0.10	20.0
119. 4,4'-DDT	50-29-3	0.10	20.0

Individual Compound	CAS Number	Detection Limits	
		Low Water ug/L	Low Soil/Sediment ug/Kg
<b>PESTICIDES/PCBs: (Cont'd)</b>			
120. Chlordane	57-74-9	0.10	20.0
121. Toxaphene	8001-35-2	1.0	200.0
122. AROCLOR-1016	12674-11-2	1.0	200.0
123. AROCLOR-1221	11104-28-2	1.0	200.0
124. AROCLOR-1232	11141-16-5	1.0	200.0
125. AROCLOR-1242	53469-21-9	1.0	200.0
126. AROCLOR-1248	12672-29-6	1.0	200.0
127. AROCLOR-1254	11097-69-1	1.0	200.0
128. AROCLOR-1260	11096-82-5	1.0	200.0
129. Dalapon (Dowpon)	75-99-0	1.0	100.0
130. Dicamba	1918-00-9	1.0	100.0
131. MCPP	7085-19-0	300.0	30,000.0
132. MCPA	94-74-6	300.0	30,000.0
133. Dichloroprop (2,4-DP)	120-36-5	1.0	100.0
134. 2,4-D	94-75-7	1.0	100.0
135. 2,4,5-TP (silvex)	93-72-1	1.0	100.0
136. 2,4,5-T	93-76-5	1.0	100.0
137. 2,4-DB	94-82-6	1.0	100.0
138. Dinoseb (DNBP)	88-85-7	1.0	100.0

**NOTE:** Specific detection limits are highly matrix dependent. The detection limits listed herein are provided for guidance and may not always be achievable. See a raw sample data for actual limits achieved for each analysis.

**120 LISTER AVENUE SOILS: BORINGS AND NEAR SURFACE  
ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS**

<u>Station</u>	<u>Depth (Feet)</u>	<u>Sample No.</u>	<u>VOA</u>	<u>Base/Neutral/Acid</u>	<u>Pesticide</u>	<u>Herbicide</u>
C-10-H	0-0.5	Y2159	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
C-10-H	0.5-1.0	Y2160	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
C-10-H	1.0-2.0	Y2161	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
D-8-I	0-0.5	Y2162	Low	Low <sup>3</sup>	Low <sup>5</sup>	Low
D-8-I	0.5-1.0	Y2163	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
D-12-D	0-0.5	Y2117	Low	Low <sup>3</sup>	Low <sup>2</sup>	Low
D-12-D	0.5-1.0	Y2118	Low	Low <sup>4</sup>	Low <sup>2</sup>	Low
D-12-D	1.0-2.0	Y2119	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
D-12-D	2.0-3.5	Y2204	Low	Low	Low	Low
D-12-D	3.5-5.0	Y2205	Low	Low <sup>1</sup>	Low	Low
D-12-D	5.0-6.5	Y2206	Low	Low <sup>1</sup>	Low	Low
D-12-D	6.5-8.0	Y2210	Low	Low <sup>1</sup>	Low	Low
E-11-F	0-0.5	Y2165	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
E-11-F	0.5-1.0	Y2166	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
E-11-F	1.0-2.0	Y2167	Low	*	Low <sup>2</sup>	Low
F-9-G	0-0.5	Y2185	Low	Low <sup>1</sup>	Low	Low
F-9-G	0.5-1.0	Y2186	Low	Low <sup>1</sup>	Low	Low
F-9-G	1.0-2.0	Y2187	Low	Low <sup>1</sup>	Low	Low
F-9-G	2.0-3.5	Y2188	Low	Low <sup>1</sup>	Low <sup>5</sup>	Low <sup>3</sup>
F-9-G	3.5-5.0	Y2189	Low	Low <sup>1</sup>	Low	Low
F-9-G	5.0-6.5	Y2194	Low	Low <sup>1</sup>	Low	Low
H-12-D	0-0.5	Y2108	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
H-12-D	0.5-1.0	Y2109	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
H-12-D	1.0-2.0	Y2110	Low	Low <sup>1</sup>	Low <sup>5</sup>	Low
K-9-D	0-0.5	Y2168	Low	Low <sup>1</sup>	Low <sup>5</sup>	Low
K-9-D	0.5-1.0	Y2169	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
K-9-D	1.0-2.0	Y2170	Low	Low <sup>1</sup>	Low <sup>2</sup>	Low
K-9-D	2.0-3.5	Y2171	Low	Low <sup>1</sup>	Low	Low
K-9-D	3.5-5.0	Y2172	Low	Low <sup>1</sup>	Low <sup>5</sup>	Low
K-9-D	5.0-6.5	Y2173	Low	Low <sup>1</sup>	Low	Low
K-9-D	6.5-8.0	Y2174	Low	Low <sup>1</sup>	Low	Low
K-9-D	8.0-9.5	Y2175	Low	Low <sup>3</sup>	Low	Low
K-9-D	9.5-11.0	Y2177	Low	Low <sup>3</sup>	Low	Low

\* results not available at this time

1 further dilution 3:10

2 further dilution 1:100

3 further dilution 1:2

4 further dilution 1:4

5 further dilution 1:10

\*\* insufficient sample for analysis

120 LISTER AVENUE SOILS: BORINGS AND NEAR SURFACE  
ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS

Continued - Page 2 of 2

<u>Station</u>	<u>Depth (Feet)</u>	<u>Sample No.</u>	<u>VOA</u>	<u>Base/Neutral/Acid</u>	<u>Pesticide</u>	<u>Herbicide</u>
K-12-B	0-0.5	Y2072	Low	Low <sup>1</sup>	Low <sup>5</sup>	Low
K-12-B	0.5-1.0	Y2073	Low	Low <sup>1</sup>	Low <sup>5</sup>	Low
K-12-B	1.0-2.0	Y2074	Low	**	Low <sup>5</sup>	Low
K-12-B	2.0-3.5	Y2197	Low	Low <sup>1</sup>	Low <sup>5</sup>	Low <sup>3</sup>
K-12-B	3.5-5.0	Y2198	Low	Low <sup>1</sup>	Low	Low
K-12-B	5.0-6.5	Y2199	Low	Low <sup>1</sup>	Low	Low
K-12-B	6.5-8.0	Y2200	Low	Low <sup>1</sup>	Low	Low
K-12-B	8.0-9.5	Y2201	Low	Low <sup>1</sup>	Low	Low
K-12-B	9.5-11.0	Y2203	Low	Low <sup>1</sup>	Low	Low

\* results not available at this time  
 1 further dilution 3:10  
 2 further dilution 1:100  
 3 further dilution 1:2  
 4 further dilution 1:4  
 5 further dilution 1:10  
 \*\* insufficient sample for analysis

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Near Surface Soil: Station C-10-H

CAS Number	Compound Name	Y2159 0-0.5'	Y2160 0.5'-1.0'	Y2161 1.0'-2.0'
(Concentration units are parts per billion)				
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	1.7	11.0	1.4

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station C-10-H

CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	110.	110.	120.
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station C-10-H

CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND
108-95-2	Phenol	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station C-10-H

CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	660.*	160.*
118-74-1	Hexachlorobenzene	5300.	7400.	1100.
67-72-1	Hexachloroethane	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	160.*	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND
206-44-0	Fluoranthene	600.*	1800.	690.*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station C-10-H

CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND
91-20-3	Naphthalene	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	5500.	5100.	690.*
85-68-7	Butyl benzyl phthalate	ND	ND	ND
84-74-2	Di-N-butyl phthalate	1300.	530.*	330.*
117-84-0	Di-N-octyl phthalate	ND	ND	ND
84-66-2	Diethyl phthalate	330.*	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND
56-55-3	Benzo(A)anthracene	400.*	1200.	560.*
50-32-8	Benzo(A)pyrene	500.*	1400.	790.*
205-99-2	Benzo(B)fluoranthene	700.*	2200.	490.*
207-08-9	Benzo(K)fluoranthene	ND	ND	490.*

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station C-10-H

CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	400.*	1200.	ND
208-96-8	Acenaphthylene	ND	ND	ND
120-12-7	Anthracene	200.*	300.*	130.*
191-24-2	Benzo(GHI)perylene	300.*	ND	460.*
86-73-7	Fluorene	ND	ND	ND
85-01-8	Phenanthrene	400.*	1400.	390.*
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	300.*
129-00-0	Pyrene	570.*	3100.	890.*
62-53-3	Aniline	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station C-10-H

CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	17,800.**	9600.**	6700.**
72-55-9	4,4'-DDE	850.**	3000.**	2100.**
72-54-8	4,4'-DDD	8600.**	5800.**	2400.**
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: C-10-H

CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	ND	180.	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	1.9	1.6	2.0
	Arsenic	120.	49.	21.
	Beryllium	1.0	0.5	0.5
	Cadmium	2.4	2.0	0.8
	Chromium	76.	37.	17.
	Copper	240.	170.	94.
	Lead	700.	880.	440.
	Mercury	0.8	1.5	0.1
	Nickel	65.	48.	20.
	Selenium	<3.	<2.	<2.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station C-10-H

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CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Metals (Continued)</u>				
	Silver	0.9	0.4	<0.2
	Thallium	<2.	<2.	<2.
	Zinc	500.	640.	330.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	1.44	2.14	1.20
	Total Phenols	0.39	0.66	0.05

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D2B-OP-C-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station C-10-HOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: C-10-H-2159-100-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown acetic acid ester	3200. µg/kg
2. 123-42-2	Hydroxymethylpentanone	99,000. µg/kg
3. --	Unknown carbonyl	4000. µg/kg
4. 111-46-6	2,2 <sup>1</sup> -oxybis-ethanol	950. µg/kg
5. 542-10-9	1,1-ethanediol, diacetate	1200. µg/kg
6. 58-89-9	1,2,3,4,5,6-Cl <sub>16</sub> cyclohexane	1000. µg/kg
7. 4329-12-8	Benzene, 1-chloro-3-(2,2Cl <sub>2</sub> )	2000. µg/kg
8. 4329-12-8	Benzene, 1-chloro-3(2,2-Cl <sub>2</sub> )	5000. µg/kg
9. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-Cl <sub>3</sub> )	6100. µg/kg
10. --	Unknown	510. µg/kg
11. 541-01-5	Heptasiloxane, hexadecamethyl	470. µg/kg
12. --	Unknown siloxane	670. µg/kg
13. 205-82-3	Benzo[J]fluoranthene	490. µg/kg
14. --	Unknown	570. µg/kg
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station C-10-HOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: C-10-H-2160-101-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-21-4	Acetic acid, 1-methyl ethyl ester	6400. µg/kg
2. 123-42-2	Hydroxymethylpentanone	140,000. µg/kg
3. 4305-26-4	6-(acetyloxy)-2-hexanone	5400. µg/kg
4. --	Unknown methyl carbonyl	1800. µg/kg
5. --	Unknown C <sub>11</sub> -C <sub>13</sub> alkane	620. µg/kg
6. --	(Sulfur, Mol. (58) ?) Unknown	610. µg/kg
7. --	Unknown C <sub>11</sub> -C <sub>13</sub> alkane	1200. µg/kg
8. 58-89-9	Cyclohexane, 1,2,3,4,5,6,-C <sub>16</sub>	1100. µg/kg
9. --	Unknown C <sub>11</sub> -C <sub>17</sub> alkane	930. µg/kg
10. 10544-20-0	Sulfur, Mol. (58)	1410. µg/kg
11. --	Unknown - Cl subs sulfonic acid?	840. µg/kg
12. 4329-12-8	Benzene, 1-chloro-3(2,2-Cl <sub>2</sub> )	2700. µg/kg
13. 4329-12-8	Benzene, 1-chloro-3-(2,2-Cl <sub>2</sub> )	6800. µg/kg
14. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-Cl <sub>3</sub> )	3300. µg/kg
15. --	Unknown	930. µg/kg
16. --	Unknown	1100. µg/kg
17. 206-82-3	Benzo[J]fluoranthene	1100. µg/kg
18. --	Unknown	2000. µg/kg
19. --	Unknown PNA	1800. µg/kg
20. --	Unknown PNA	1300. µg/kg
21. --	Unknown	1100. µg/kg
22. --	Unknown siloxane	820. µg/kg
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station C-10-HOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: C-10-H-2161-102-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-21-4	Acetic acid, 1-methyl ethyl ester	4300. µg/kg
2. 123-42-2	Hydroxymethylpentanone	130,000. µg/kg
3. --	Unknown - aldol solvent?	3800. µg/kg
4. --	Unknown aceto CPD	1200. µg/kg
5. 58-89-9	1,2,3,4,5,6-Cl <sub>6</sub> cyclohexane	1800. µg/kg
6. 4329-12-8	Benzene, 1-chloro-3-[2,2-Cl <sub>2</sub> ]	1200. µg/kg
7. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-Cl <sub>3</sub> )	1100. µg/kg
8. --	Unknown	540. µg/kg
9. --	Unknown	500. µg/kg
10. 205-99-2	Benz[E]acephenanthrylene	830. µg/kg
11. 205-82-3	Benzo[J]fluoranthene	630. µg/kg
12. --	Unknown	650. µg/kg
13. --	Unknown	850. µg/kg
14. --	Unknown	700. µg/kg
15. --	Unknown	910. µg/kg
16. --	Unknown	1300. µg/kg
17. --	Unknown	1200. µg/kg
18. --	Unknown	980. µg/kg
19.		
20.		
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Near Surface Soil: Station D-8-I

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CAS Number	Compound Name	Y2162 0-0.5'	Y2163 0.5'-1.0'
(Concentration units are parts per billion)			
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	2.8	2.9

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	ND	35.
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	25.*	120.
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station D-8-I

CAS Number	Compound Name	Y2162	Y2163
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	59.	150.
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station D-8-I

CAS Number	Compound Name	Y2162	Y2163
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	420.*
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	130.*	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station D-8-I

CAS Number	Compound Name	Y2162	Y2163
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	130.*	450.*
118-74-1	Hexachlorobenzene	330.*	2700.
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	190.*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	910.*
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	370.*	1200.
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station D-8-I

CAS Number	Compound Name	Y2162	Y2163
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	400.*	910.*
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	430.*	810.*
117-84-0	Di-N-octyl phthalate	160.*	ND
84-66-2	Diethyl phthalate	ND	160.*
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	200.*	750.*
50-32-8	Benzo(A)pyrene	270.*	910.*
205-99-2	Benzo(B)fluor- anthene	370.*	1100.
207-08-9	Benzo(K)fluoranthene	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station D-8-I

CAS Number	Compound Name	Y2162	Y2163
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	200.*	750.*
208-96-8	Acenaphthylene	ND	230.*
120-12-7	Anthracene	ND	420.*
191-24-2	Benzo(GHI)perylene	130.*	450.*
86-73-7	Fluorene	ND	ND
85-01-8	Phenanthrene	330.*	940.*
53-70-3	Dibenzo(A,H) anthracene	ND	230.*
193-39-5	Indeno(1,2,3-CD)pyrene	ND	420.*
129-00-0	Pyrene	330.*	1000.
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station D-8-I

CAS Number	Compound Name	Y2162	Y2163
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	190.**	720.**
72-55-9	4,4'-DDE	800.**	1300.**
72-54-8	4,4'-DDD	1800.**	4700.**
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	37,000. <sup>c</sup>	50,000. <sup>c</sup>
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station D-8-I

CAS Number	Compound Name	Y2162	Y2163
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	ND	250.
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	2.2	3.3
	Arsenic	16.	38.
	Beryllium	0.3	0.3
	Cadmium	3.4	0.6
	Chromium	37.	14.
	Copper	200.	42.
	Lead	230.	240.
	Mercury	0.6	0.4
	Nickel	40.	17.
	Selenium	<2.	<0.7

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station D-8-I

D-28

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CAS Number	Compound Name	Y2162	Y2163
<u>Metals (Continued)</u>			
	Silver	10.	0.3
	Thallium	<2.	<2.
	Zinc	280.	180.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.15	0.31
	Total Phenols	0.22	1.03

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D2B-QP-E-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

D-29

SAMPLE DESCRIPTION: Soil: Station D-8-I

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: D-8-I-2162-100-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
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10.		
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12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 4359-77-7	3-methylene-2-pentanone	1700. µg/kg
2. 108-21-4	1-methyleste-aceticacid (methyl acetate)	6700. µg/kg
3. 123-42-2	4-hydroxy-4-methyl-2-pentanone	128,000. µg/kg
4. --	Unknown	470. µg/kg
5. 4305-26-4	6-(acetyloxy)-2-hexanone	7800. µg/kg
6. 5343-96-4	3-methyl-2-butanol acetate	1800. µg/kg
7. 319-84-6	1,2,3,4,5,6-hexachlorocyclohexane	2000. µg/kg
8. 58-89-9	1,2,3,4,5,6-hexachlorocyclohexane	1300. µg/kg
9. --	Unknown	510. µg/kg
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-8-IOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: D-8-I-2163-101-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 08-21-4	7-methyl ester acetic acid	4500. µg/kg
2. --	Unknown	110,000. µg/kg
3. --	Unknown	52,000. µg/kg
4. 111-46-6	2,2 <sup>1</sup> -oxybisethanol	1000. µg/kg
5. --	Unknown (methyl carbonyl)	620. µg/kg
6. --	Unknown (methyl carbonyl)	1400. µg/kg
7. 87-61-6	1,2,3-trichlorobenzene	500. µg/kg
8. 608-93-5	Pentachlorobenzene	580. µg/kg
9. 58-89-9	1,2,3,4,5,6-hexachlorocyclohexane	22,000. µg/kg
10. 58-89-9	1,2,3,4,5,6-hexachlorocyclohexane	5900. µg/kg
11. 10224-91-6	1,1-bis(p-ethylphenyl)-ethane	630. µg/kg
12. 4329-12-8	1-chloro-3-[2,2-dichloro-1-(4-chlorophenyl) ethyl]benzene	720. µg/kg
13. 4329-12-8	1-chloro-3-[2,2-dichloro-1-(4-chlorophenyl) ethyl]benzene	1900. µg/kg
14. 205-82-3	Benzo[J]fluoranthene	550. µg/kg
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Soil Boring: Station D-12-D (I)

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CAS Number	Compound Name	Y2117 0-0.5'	Y2118 0.5'-1.0'	Y2119 1.0'-2.0'	Y2204 2.0'-3.5'
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	6.9	ND(3.0)	ND(1.7)	0.49

Volatile Organic Compounds (Concentration Units are in µg/kg)

71-43-2	Benzene	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (I)

CAS Number	Compound Name	Y2117	Y2118	Y2119	Y2204
<u>Volatiles (Continued)</u>					
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND
75-09-2	Methylene chloride	190.	200.	130.	150.
74-87-3	Chloromethane	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	97.	ND
78-93-3	2-Butanone	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (I)

CAS Number	Compound Name	Y2117	Y2118	Y2119	Y2204
<u>Volatiles (Continued)</u>					
519-78-6	2-Hexanone	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>					
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	330.*	ND	290.*	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	33.*
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND
108-95-2	Phenol	200.*	ND	220.*	ND
65-85-0	Benzoic acid	ND	ND	510.*	ND
95-48-7	2-Methylphenol	980.	260.*	640.*	ND
108-39-4	4-Methylphenol	490.*	ND	380.*	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (I)

CAS Number	Compound Name	Y2117	Y2118	Y2119	Y2204
<u>Base/Neutral/Acids (Continued)</u>					
83-32-9	Acenaphthene	260.*	ND	350.*	33.*
92-87-5	Benzidine	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	850.	420.*	640.*	ND
118-74-1	Hexachlorobenzene	5900.	10,000.	4500.	100.*
67-72-1	Hexachloroethane	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	230.*	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND
206-44-0	Fluoranthene	4900.	2600.	5800.	170.*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (I)

CAS Number	Compound Name	Y2117	Y2118	Y2119	Y2204
<u>Base/Neutral/Acids (Continued)</u>					
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND
91-20-3	Naphthalene	160.*	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	4200.	2900.	74,000.	100.*
85-68-7	Butyl benzyl phthalate	ND	ND	220.*	33.*
84-74-2	Di-N-butyl phthalate	520.*	290.*	2100.	400.
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	510.*	33.*
131-11-3	Dimethyl phthalate	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	4400.	2200.	4700.	200.*
50-32-8	Benzo(A)pyrene	4400.	2600.	5400.	ND
205-99-2	Benzo(B)fluoranthene	ND	2900.	3000.	370.*
207-08-9	Benzo(K)fluoranthene	5400.	ND	3000.	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (I)

CAS Number	Compound Name	Y2117	Y2118	Y2119	Y2204
<u>Base/Neutral/Acids (Continued)</u>					
218-01-9	Chrysene	4000.	2200.	4600.	ND
208-96-8	Acenaphthylene	330.*	ND	1500.	ND
120-12-7	Anthracene	1100.	620.*	2000.	ND
191-24-2	Benzo(GHI)perylene	1700.	ND	2900.	ND
86-73-7	Fluorene	360.*	ND	480.*	ND
85-01-8	Phenanthrene	4200.	2300.	5200.	270.*
53-70-3	Dibenzo(A,H) anthracene	ND	ND	1500.	66.*
193-39-5	Indeno(1,2,3-CD)pyrene	1700.	1600.	2600.	ND
129-00-0	Pyrene	7200.	4000.	6400.	570.
62-53-3	Aniline	ND	ND	ND	ND
100-51-6	Benzyl alcohol	430.*	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND
132-64-9	Dibenzofuran	200.*	ND	220.*	ND
91-57-6	2-Methylnaphthalene	200.*	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
309-00-2	Aldrin	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (I)

CAS Number	Compound Name	Y2117	Y2118	Y2119	Y2204
<u>Pesticides and PCBs (Continued)</u>					
50-29-3	4,4'-DDT	7300.**	4200.**	8700.**	20.**
72-55-9	4,4'-DDE	7000.**	3400.**	5400.**	20.**
72-54-8	4,4'-DDD	17,100.**	6800.**	6600.**	40.**
959-98-8	alpha-Endosulfan	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (I)

CAS Number	Compound Name	Y2117	Y2118	Y2119	Y2204
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>					
	Antimony	23.	2.1	1.6	<0.1
	Arsenic	18.	8.6	18.	4.3
	Beryllium	1.0	0.2	0.3	0.6
	Cadmium	2.1	1.6	3.4	0.4
	Chromium	180.	120.	470.	7.6
	Copper	220.	170.	230.	21.
	Lead	470.	290.	540.	39.
	Mercury	0.5	0.2	0.3	0.2
	Nickel	52.	53.	66.	7.2
	Selenium	<2.	<4.	<5.	<0.4

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (I)

CAS Number	Compound Name	Y2117	Y2118	Y2119	Y2204
<u>Metals (Continued)</u>					
	Silver	0.2	<0.2	<0.2	<0.2
	Thallium	<2.	<2.	<2.	<2.
	Zinc	590.	370.	810.	49.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>					
	Total Cyanide	0.09	0.06	0.25	0.62
	Total Phenols	2.28	1.14	2.34	0.39

D2B-QP-G-1 to 9

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205 3.5'-5.0'	Y2206 5.0'-6.5'	Y2210 6.5'-8.0'
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(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.45	0.23	ND(0.40)
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Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	94.	140.	140.
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND
108-95-2	Phenol	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND
206-44-0	Fluoranthene	1600.	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND
91-20-3	Naphthalene	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	590.	640.*	1300.
85-68-7	Butyl benzyl phthalate	ND	ND	ND
84-74-2	Di-N-butyl phthalate	620.*	1400.	1400.
117-84-0	Di-N-octyl phthalate	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND
56-55-3	Benzo(A)anthracene	1100.	ND	ND
50-32-8	Benzo(A)pyrene	1200.	ND	ND
205-99-2	Benzo(B)fluoranthene	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	1300.	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	ND
120-12-7	Anthracene	ND	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND	ND
86-73-7	Fluorene	ND	ND	ND
85-01-8	Phenanthrene	1900.	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND
129-00-0	Pyrene	7000.	530.*	960.*
62-53-3	Aniline	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	ND	ND	ND
72-55-9	4,4'-DDE	ND	ND	ND
72-54-8	4,4'-DDD	ND	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	<0.1	<0.1	<0.1
	Arsenic	2.6	1.4	1.7
	Beryllium	0.6	0.4	0.4
	Cadmium	<0.1	<0.1	<0.1
	Chromium	12.	14.	13.
	Copper	36.	42.	37.
	Lead	17.	6.6	11.
	Mercury	<0.1	<0.1	<0.1
	Nickel	12.	17.	16.
	Selenium	<0.4	<0.2	<0.2

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station D-12-D (II)

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Metals (Continued)</u>				
	Silver	<0.2	<0.2	<0.2
	Thallium	<2.	<2.	<2.
	Zinc	46.	46.	50.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.11	0.20	0.21
	Total Phenols	0.28	0.19	0.35

D2B-QP-J-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: D-12-D-2117-100-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. 108-21-4	Acetic acid, 1-methyl ester	3300. µg/kg
2. 123-42-2	2-pentanone, 4-hydroxy-4-methyl	52,000. µg/kg
3. --	Unknown methyl carbonyl	4100. µg/kg
4. 111-46-6	Ethanol, 2,2 <sup>1</sup> -oxybis-	2500. µg/kg
5. 58-89-9	Cyclohexane, 1,2,3,4,5,6-hexachloro-	1500. µg/kg
6. 832-64-4	Phenanthrene, 4-methyl-	2600. µg/kg
7. 832-71-3	Phenanthrene, 3-methyl-	1600. µg/kg
8. 4329-12-8	Benzene, 1-chloro-3-[2,2-dichlo--]	4100. µg/kg
9. 2381-21-7	Pyrene, 1-methyl-	1700. µg/kg
10. 2381-21-7	Pyrene, 1-methyl-	1400. µg/kg
11. 4329-12-8	Benzene, 1-chloro-3-[2,2-dichlo--]	6900. µg/kg
12. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-trichlor--)	5500. µg/kg
13. 510-15-6	Benzene acetic acid, 4-chloro-A---	5800. µg/kg
14. --	Unknown	1900. µg/kg
15. --	Unknown	1700. µg/kg
16. 915-19-7	Benzo[C]phenanthrene	2000. µg/kg
17. 82-05-3	7H-benz(de)anthracene-7-one	1600. µg/kg
18. 2498-77-3	Benz[A]anthracene, 1-methyl-	2300. µg/kg
19. 205-82-3	Benzo[J]chloroanthene	3200. µg/kg
20. --	Unknown PAH	1500. µg/kg
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: D-12-D-2118-101-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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4.		
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15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-21-4	Acetic acid, 1-methyl ester	2800. µg/kg
2. 123-42-2	2-pentanone, 4-hydroxy-4-methyl	50,000. µg/kg
3. 4305-26-4	2-hexanone, 6-(acetyloxy)-	3500. µg/kg
4. 4329-12-8	Benzene, 1-chloro-3-(2,2-dichlo---)	2200. µg/kg
5. 4329-12-8	Benzene, 1-chloro-3-(2,2-dichlo---)	3800. µg/kg
6. --	Unknown	4700. µg/kg
7. --	Unknown	5100. µg/kg
8. --	Unknown	10,000. µg/kg
9. --	Unknown	9500. µg/kg
10. --	Unknown	13,000. µg/kg
11. --	Unknown	23,000. µg/kg
12. --	Unkonwn	10,000. µg/kg
13. --	Unknown	11,000. µg/kg
14. --	Unknown	9200. µg/kg
15. --	Unknown	6900. µg/kg
16. --	Unknown	12,000. µg/kg
17. --	Unknown C15-C25 HC	9600. µg/kg
18. --	Unknown C20-C25 HC	5600. µg/kg
19. --	Unknown siloxane	5200. µg/kg
20. --	Unknown siloxane	4600. µg/kg
21. --	Unknown C15 >HC	4200. µg/kg
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

D-51

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: D-12-D-2119-102-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b><u>VOLATILES:</u></b>		
1.	NONE DETECTED	
2.		
3.		
4.		
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13.		
14.		
15.		
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
1. --	Unknown acetic acid ester?	3300. µg/kg
2. 123-42-2	Hydroxymethylpentanone	110,000. µg/kg
3. --	Unknown carbonyl CPD	3800. µg/kg
4. 832-64-4	4-methyl phenanthrene	2100. µg/kg
5. 3424-82-6	Benzene, 1-chloro-2-[2,2-Cl <sub>2</sub> ]	5000. µg/kg
6. 4329-12-8	Benzene, 1-chloro-3-[2,2-Cl <sub>2</sub> ]	3600. µg/kg
7. 2381-21-7	1-methyl pyrene	2200. µg/kg
8. 4329-12-8	Benzene, 1-chloro-3[2,2-Cl <sub>2</sub> ]	6400. µg/kg
9. --	Unknown chlorinated spec.	2900. µg/kg
10. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-Cl <sub>3</sub> )	2900. µg/kg
11. 510-15-6	Benzene acetic acid, 4-Cl-.AL	1100. µg/kg
12. 195-19-7	Benzo[C]phenanthrene	1300. µg/kg
13. 82-05-3	7H-benz[DE]anthracene-7-one	1100. µg/kg
14. 2422-79-9	Benzo[A]anthracene, 12-methyl	1400. µg/kg
15. 1705-84-6	Triphenylene, 2-methyl	830. µg/kg
16. 205-82-3	Benzo[J]fluoranthene	1100. µg/kg
17. 205-82-3	Benzo[J]fluoranthene	3300. µg/kg
18. --	Unknown	1300. µg/kg
19. --	Unknown C <sub>15</sub> -C <sub>30</sub> hydrocarbon	1700. µg/kg
20. --	Unknown PAH	940. µg/kg
21. --	Unknown C <sub>25</sub> -C <sub>30</sub> hydrocarbon	1200. µg/kg
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: D-12-D-2204-103-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
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15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. --	C8 alkane	690. µg/kg
2. 6975-92-4	2,5-dimethyl-1-hexene	1600. µg/kg
3. 111-65-9	Octane	1100. µg/kg
4. --	Unknown - methyl carbonyl	2600. µg/kg
5. 123-42-2	4-hydroxy-4-methyl-2-pentanone	72,000. µg/kg
6. 110-12-3	5-methyl-2-hexanone	4500. µg/kg
7. 4305-26-4	6-(acetyloxy)-2-hexanone	1900. µg/kg
8. 628-68-2	2,2-oxybisethanol diacetate	1200. µg/kg
9. 17302-2307	4,5-dimethyl nonane	470. µg/kg
10. 10544-50-0	Molecular sulfur	1300. µg/kg
11. --	Unknown	1400. µg/kg
12. --	Unknown	2800. µg/kg
13. --	Unknown - siloxanes	1100. µg/kg
14. --	Unknown	560. µg/kg
15.		
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24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

D-53

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: D-12-D-2205-104-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - methyl pentanone?	450. µg/kg
2. --	Unknown - acetic acid ester?	5500. µg/kg
3. 123-42-2	Hydroxymethylpentanone	140,000. µg/kg
4. --	Unknown - Ketone or acid	5800. µg/kg
5. --	Unknown	2100. µg/kg
6. 10544-50-0	Sulfur, Mol. (58)	910. µg/kg
7. --	Unknown	1200. µg/kg
8.		
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24.		
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: D-12-D-2206-105-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - acetic acid ester?	10,000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	110,000. µg/kg
3. --	Unknown ketone or acid	17,000. µg/kg
4. --	Unknown	4400. µg/kg
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: D-12-D-2210-109-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
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15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. --	Unknown - acetic acid ester?	10,000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	86,000. µg/kg
3. --	Unknown ketone or acid	20,000. µg/kg
4. 110-13-4	2,5-hexanedione	560. µg/kg
5. 628-68-2	Ethanol,2,2 <sup>1</sup> -oxybis-,diacetate	5000. µg/kg
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Near Surface Soil: Station E-11-F

CAS Number	Compound Name	Y2165 0-0.5'	Y2166 0.5'-1.0'	Y2167 1.0'-2.0'
(Concentration units are parts per billion)				
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	71.	>490.	97.0

Volatile Organic Compounds (Concentration Units are in µg/kg)

71-43-2	Benzene	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station E-11-F

CAS Number	Compound Name	Y2165	Y2166	Y2167
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	130.	120.	76.
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station E-11-F

CAS Number	Compound Name	Y2165	Y2166	Y2167
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	b
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	b
95-57-8	2-Chlorophenol	ND	ND	b
120-33-2	2,4-Dichlorophenol	ND	800.*	b
105-67-9	2,4-Dimethylphenol	ND	ND	b
88-75-5	2-Nitrophenol	ND	ND	b
100-02-7	4-Nitrophenol	ND	ND	b
51-28-5	2,4-Dinitrophenol	ND	ND	b
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	b
87-86-5	Pentachlorophenol	ND	ND	b
108-95-2	Phenol	ND	ND	b
65-85-0	Benzoic acid	200.*	ND	b
95-48-7	2-Methylphenol	ND	ND	b
108-39-4	4-Methylphenol	ND	ND	b
95-95-4	2,4,5-Trichlorophenol	160.*	3500.*	b

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station E-11-F

CAS Number	Compound Name	Y2165	Y2166	Y2167
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	ND	b
92-87-5	Benzidine	ND	ND	b
120-82-1	1,2,4-Trichlorobenzene	ND	400.*	b
118-74-1	Hexachlorobenzene	ND	44,000.	b
67-72-1	Hexachloroethane	ND	ND	b
111-44-4	Bis(2-chloroethyl) ether	ND	ND	b
91-58-7	2-Chloronaphthalene	ND	ND	b
95-50-1	1,2-Dichlorobenzene	ND	ND	b
541-73-1	1,3-Dichlorobenzene	ND	ND	b
106-46-7	1,4-Dichlorobenzene	ND	ND	b
91-94-1	3,3'-Dichlorobenzidine	ND	ND	b
121-14-2	2,4-Dinitrotoluene	ND	ND	b
606-20-2	2,6-Dinitrotoluene	ND	ND	b
122-66-7	1,2-Diphenylhydrazine	ND	ND	b
206-44-0	Fluoranthene	820.*	570.*	b
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	b
101-55-3	4-Bromophenyl phenyl ether	ND	ND	b
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	b
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	b

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station E-11-F

CAS Number	Compound Name	Y2165	Y2166	Y2167
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	b
77-47-4	Hexachlorocyclopentadiene	ND	ND	b
78-59-1	Isophorone	ND	ND	b
91-20-3	Naphthalene	ND	ND	b
98-95-3	Nitrobenzene	ND	ND	b
62-75-9	N-nitrosodimethylamine	ND	ND	b
86-30-6	N-nitrosodiphenylamine	ND	ND	b
621-64-7	N-nitrosodipropylamine	ND	ND	b
117-81-7	Bis(2-ethylhexyl) phthalate	490.*	ND	b
85-68-7	Butyl benzyl phthalate	ND	ND	b
84-74-2	Di-N-butyl phthalate	1300.	830.*	b
117-84-0	Di-N-octyl phthalate	ND	ND	b
84-66-2	Diethyl phthalate	ND	ND	b
131-11-3	Dimethyl phthalate	ND	ND	b
56-55-3	Benzo(A)anthracene	530.*	ND	b
50-32-8	Benzo(A)pyrene	630.*	660.*	b
205-99-2	Benzo(B)fluoranthene	820.*	860.*	b
207-08-9	Benzo(K)fluoranthene	ND	ND	b

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station E-11-F

CAS Number	Compound Name	Y2165	Y2166	Y2167
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	530.*	430.*	b
208-96-8	Acenaphthylene	ND	ND	b
120-12-7	Anthracene	160.*	170.*	b
191-24-2	Benzo(GHI)perylene	ND	370.*	b
86-73-7	Fluorene	ND	ND	b
85-01-8	Phenanthrene	430.*	230.*	b
53-70-3	Dibenzo(A,H) anthracene	ND	170.*	b
193-39-5	Indeno(1,2,3-CD)pyrene	ND	330.*	b
129-00-0	Pyrene	660.*	530.*	b
62-53-3	Aniline	ND	ND	b
100-51-6	Benzyl alcohol	ND	ND	b
106-47-8	4-Chloroaniline	ND	ND	b
132-64-9	Dibenzofuran	ND	ND	b
91-57-6	2-Methylnaphthalene	ND	ND	b
88-74-4	2-Nitroaniline	ND	ND	b
99-09-2	3-Nitroaniline	ND	ND	b
100-01-6	4-Nitroaniline	ND	ND	b
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station E-11-F

CAS Number	Compound Name	Y2165	Y2166	Y2167
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	480,000. <sup>C</sup>	260,000. <sup>C</sup>	14,000.**
72-55-9	4,4'-DDE	6200.**	7500.**	2200.**
72-54-8	4,4'-DDD	ND	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: E-11-F

CAS Number	Compound Name	Y2165	Y2166	Y2167
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	ND	ND	120.
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	400.	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	9.0	3.8	5.5
	Arsenic	7.5	9.7	14.
	Beryllium	0.4	0.8	0.8
	Cadmium	4.1	0.7	0.9
	Chromium	29.	33.	32.
	Copper	84.	63.	45.
	Lead	260.	370.	210.
	Mercury	0.9	1.9	0.3
	Nickel	21.	18.	22.
	Selenium	<2.	<3.	<3.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station E-11-F

CAS Number	Compound Name	Y2165	Y2166	Y2167
<u>Metals (Continued)</u>				
	Silver	0.4	<0.2	<0.2
	Thallium	<2.	<2.	<2.
	Zinc	340.	330.	460.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.05	0.17	1.48
	Total Phenols	0.44	1.59	1.45
D2A-QP-0-1 to 9				

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station E-11-FOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: E-10-F-2165-100-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 507-09-5	Ethanoic acid	6100. µg/kg
2. 123-42-2	4-hydroxy-2-methyl-2-pentanone	140,000. µg/kg
3. 4305-26-4	6-(acetyloxy)2-2-hexanone	5200. µg/kg
4. 11-46-6	2,2 <sup>1</sup> -oxybisethanol	2300. µg/kg
5. --	Unknown R-C1	5220. µg/kg
6. --	Unknown	6200. µg/kg
7. --	Unknown	1700. µg/kg
8. --	Unknown	1000. µg/kg
9. 4329-12-8	1-chloro-3-[2,2-dichloro-1-(4-chlorophenyl) ethyl]benzene	3200. µg/kg
10. 1022-22-6	1,1 <sup>1</sup> -chloroethenyldene bis-[4-chloro]benzene	1300. µg/kg
11. 4329-12-86	1-chloro-3-[2,2-dichloro-1-(4-chlorophenyl) ethyl]benzene	9800. µg/kg
12. 50-29-3	1,1 <sup>1</sup> -(2,2,2-trichloroethylidene) bis-[4-chloro]-/benzene	22,000. µg/kg
13. --	Unknown siloxane	1067. µg/kg
14. --	Unknown	2500. µg/kg
15. --	Unknown	2700. µg/kg
16. --	Unknown C <sub>25</sub> -C <sub>40</sub> hydrocarbon	7400. µg/kg
17. --	Unknown	1200. µg/kg
18. --	Unknown chain hydrocarbon	1500. µg/kg
19. --	Unknown	1900. µg/kg
20. --	Unknown chain hydrocarbon	1600. µg/kg
21. --	Unknown	1000. µg/kg
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station E-11-FOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: E-10-F-2166-101-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. 507-09-5	Ethanoic acid	1600. µg/kg
2. 123-42-2	4-hydroxy-2-methyl-2-pentanone	67,000. µg/kg
3. 872-50-44	1-methyl-2-pyrrolidinone	1700. µg/kg
4. 634-90-2	1,2,3,5-tetrachlorobenzene	1600. µg/kg
5. 54135-80-7	1,2,3-trichloro-4-methoxybenzene	660. µg/kg
6. 608-93-5	Pentachlorobenzene	2100. µg/kg
7. --	Unknown R-C1	1200. µg/kg
8. --	Unknown R-C1	480. µg/kg
9. 1022-22-6	1,1 <sup>1</sup> -(chloroethenylidene)bis[4-chlorobenzene]	640. µg/kg
10. 98-09-9	Benzenesulfonylchloride	3000. µg/kg
11. --	Unknown R-C1	2000. µg/kg
12. 4329-12-8	1-chloro-3-[2,2-dichloro-1-(4-chlorophenyl)ethyl]benzene	3900. µg/kg
13. --	Unknown R-C1	660. µg/kg
14. 1022-22-6	1,1 <sup>1</sup> -(chloroethenylidene)bis[4-chlorobenzene]	1300. µg/kg
15. 4329-12-8	1-chloro-3-[2,2-dichloro-1-(4-chlorophenyl)ethyl]benzene	10,000. µg/kg
16. 50-29-3	1,1 <sup>1</sup> -(2,2,2-trichloroethylidene)bis[4-chlorobenzene]	20,000. µg/kg
17. 510-15-6	4-chloro-alpha-(4-chlorophenyl)-2-hydroxyethylbenzoic acid	620. µg/kg
18. --	Unknown R-C1	1100. µg/kg
19. 205-82-3	Benzo[J]fluoranthene	520. µg/kg
20. --	Unknown C25-C45 hydrocarbon	670. µg/kg
21. --	Unknown	550. µg/kg
22.		
23.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185 0'-0.5'	Y2186 0.5'-1.0'	Y2187 1.0'-2.0'
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(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.56	0.58	ND(0.30)
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Volatile Organic Compounds (Concentration Units are in µg/kg)

71-43-2	Benzene	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185	Y2186	Y2187
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	100.	170.	180.
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185	Y2186	Y2187
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND
108-95-2	Phenol	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185	Y2186	Y2187
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	ND	840.*
92-87-5	Benzidine	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND
206-44-0	Fluoranthene	ND	2800.	11,000.
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185	Y2186	Y2187
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND
91-20-3	Naphthalene	ND	ND	320.*
98-95-3	Nitrobenzene	ND	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	1900.	1100.	320.*
85-68-7	Butyl benzyl phthalate	ND	ND	ND
84-74-2	Di-N-butyl phthalate	560.*	230.*	230.*
117-84-0	Di-N-octyl phthalate	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	1700.	5600.
50-32-8	Benzo(A)pyrene	ND	ND	6300.
205-99-2	Benzo(B)fluoranthene	ND	1800.	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	650.*

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185	Y2186	Y2187
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	1500.	4600.
208-96-8	Acenaphthylene	ND	ND	390.*
120-12-7	Anthracene	ND	460.	3000.
191-24-2	Benzo(GHI)perylene	ND	ND	ND
86-73-7	Fluorene	ND	ND	1400.
85-01-8	Phenanthrene	ND	2300.	12,000.
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	1200.
129-00-0	Pyrene	560.*	5800.	20,000.
62-53-3	Aniline	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	650.*
91-57-6	2-Methylnaphthalene	ND	ND	190.*
88-74-4	2-Nitroaniline	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185	Y2186	Y2187
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	ND	ND	ND
72-55-9	4,4'-DDE	10.**	ND	ND
72-54-8	4,4'-DDD	50.**	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185	Y2186	Y2187
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	0.9	0.5	0.5
	Arsenic	3.7	3.0	7.3
	Beryllium	0.2	0.2	0.4
	Cadmium	<0.1	0.1	0.7
	Chromium	8.3	7.5	18.
	Copper	63.	74.	74.
	Lead	48.	43.	150.
	Mercury	0.2	0.1	0.1
	Nickel	11.	12.	18.
	Selenium	<0.2	<1.	<0.6

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (I)

CAS Number	Compound Name	Y2185	Y2186	Y2187
<u>Metals (Continued)</u>				
	Silver	1.4	4.5	4.0
	Thallium	<2.	<2.	<2.
	Zinc	79.	120.	280.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.27	0.17	0.10
	Total Phenols	0.60	0.79	0.48

D2B-QP-K-1 to 9

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Soil Boring: Station F-9-G (II)

CAS Number	Compound Name	Y2188 2.0'-3.5'	Y2189 3.5'-5.0'	Y2194 5.0'-6.5'
(Concentration units are parts per billion)				
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	ND(0.30)	ND(0.30)	ND(0.60)

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	120.	24.*	ND
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	110.	79.	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (II)

CAS Number	Compound Name	Y2188	Y2189	Y2194
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	260.	170.	87.
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (II)

CAS Number	Compound Name	Y2188	Y2189	Y2194
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND
108-95-2	Phenol	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (II)

CAS Number	Compound Name	Y2188	Y2189	Y2194
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND
206-44-0	Fluoranthene	390.*	360.*	430.*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (II)

CAS Number	Compound Name	Y2188	Y2189	Y2194
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND
91-20-3	Naphthalene	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	290.*	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND	ND
84-74-2	Di-N-butyl phthalate	460.*	530.*	1500.
117-84-0	Di-N-octyl phthalate	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND	ND
50-32-8	Benzo(A)pyrene	260.*	ND	ND
205-99-2	Benzo(B)fluoranthene	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	290.*	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (II)

CAS Number	Compound Name	Y2188	Y2189	Y2194
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	ND
120-12-7	Anthracene	ND	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND	ND
86-73-7	Fluorene	ND	ND	ND
85-01-8	Phenanthrene	390.*	330.*	260.*
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND
129-00-0	Pyrene	490.*	530.*	390.*
62-53-3	Aniline	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (II)

CAS Number	Compound Name	Y2188	Y2189	Y2194
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	ND	ND	ND
72-55-9	4,4'-DDE	ND	ND	ND
72-54-8	4,4'-DDD	ND	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (II)

CAS Number	Compound Name	Y2188	Y2189	Y2194
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	1.4	0.4	0.3
	Arsenic	35.	7.9	6.0
	Beryllium	5.5	1.7	2.5
	Cadmium	<0.1	0.5	<0.1
	Chromium	6.1	9.5	5.5
	Copper	44.	690.	38.
	Lead	58.	190.	96.
	Mercury	<0.1	0.6	8.6
	Nickel	8.3	11.	6.3
	Selenium	<2.	0.4	<1.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station F-9-G (II)

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CAS Number	Compound Name	Y2188	Y2189	Y2194
<u>Metals (Continued)</u>				
	Silver	<0.2	2.0	1.8
	Thallium	<2.	<2.	<2.
	Zinc	4500.	700.	1400.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.05	0.43	0.09
	Total Phenols	2.43	1.83	1.30

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D2B-QP-L-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: F-9-G-2185-100-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown (organic acid?)	5600. µg/kg
2. 123-42-2	Hydroxymethylpentanone	100,000. µg/kg
3. --	Unknown - ketone	4800. µg/kg
4. 5343-96-4	2-butanol, 3-methyl-, acetic	2000. µg/kg
5. --	Unknown	1200. µg/kg
6. --	Unknown	560. µg/kg
7. --	Unknown	590. µg/kg
8.		
9.		
10.		
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13.		
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24.		
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station F-9-GOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: F-9-G-2186-101-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1. --	A terpene	20. µg/kg
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown	4900. µg/kg
2. 123-42-2	Hydroxymethylpentanone	69,000. µg/kg
3. --	Unknown	5400. µg/kg
4. 546-79-2	Bicyclohexanol,2-methyl-5-(1-methyl ethyl)	2400. µg/kg
5. --	Unknown	2000. µg/kg
6. --	Unknown	3500. µg/kg
7. --	Unknown (cyclic alkane?)	7200. µg/kg
8. --	Unknown	7900. µg/kg
9. 24035-50-5	1-phenanthrenecarboxaldehyde,1,2,3,4,4A	1400. µg/kg
10. --	Unknown (naphthalenedione?)	1300. µg/kg
11. --	Sulfur, Mol. (58)	1200. µg/kg
12. --	Unknown	6800. µg/kg
13. --	Unknown	1600. µg/kg
14. --	Unknown	860. µg/kg
15. --	Unknown ~ C18 acid deriv.?	930. µg/kg
16. 40071-70-3	Cholestane, (5. alpha., 14-beta)	1400. µg/kg
17. --	Unknown	910. µg/kg
18. --	Unknown	1100. µg/kg
19. --	Unknown	1700. µg/kg
20.		
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: F-9-G-2187-102-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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10.		
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12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - acetic acid ester?	3000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	64,000. µg/kg
3. --	Unknown ketone or acid	3200. µg/kg
4. --	Unknown	1200. µg/kg
5. --	Unknown	1300. µg/kg
6. 532-64-4	4-methyl phenanthrene	690. µg/kg
7. --	Unknown-methyl phenanthrene	840. µg/kg
8. 10544-50-0	Sulfur, Mol. (58)	660. µg/kg
9. --	Unknown - methyl pyrene?	1900. µg/kg
10. 2381-21-7	Methyl Pyrene	900. µg/kg
11. 2381-21-7	Methyl Pyrene	820. µg/kg
12. 195-19-7	Benzo(C)phenanthrene	760. µg/kg
13. 2541-69-7	Methyl benz(A)anthracene	820. µg/kg
14. --	Unknown - methyl benzanthracene?	870. µg/kg
15. --	Unknown - methyl benzanthracene	950. µg/kg
16. 205-82-3	Benzo(J)fluoranthene	5600. µg/kg
17. --	Unknown	1400. µg/kg
18. 205-82-3	Benzo(J)fluoranthene	3200. µg/kg
19. --	Idenopyrene? Unknown PBA	1300. µg/kg
20. --	Unknown	1300. µg/kg
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: F-9-G-2188-103-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
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10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown alkane	530. µg/kg
2. --	Unknown - acetic acid ester?	4400. µg/kg
3. 123-42-2	Hydroxymethylpentanone	153,000. µg/kg
4. --	Unknown	14,000. µg/kg
5. 55956-25-7	2-propanol,1-(1-methyl-s(2-propenyl oxy)	880. µg/kg
6. --	Unknown - dibutyl ether?	640. µg/kg
7. 10544-50-0	Sulfur, Mol. (58)	5600. µg/kg
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

D-89

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: F-9-G-2189-104-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
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4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-21-4	Acetic acid, 1-methyl ethyl ester	4000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	150,000. µg/kg
3. --	Unknown - acid or ketone	3800. µg/kg
4. 18641-82-2	Pentane, 1-propoxy-	1800. µg/kg
5. 10544-50-0	Sulfur, Mol. (58)	3800. µg/kg
6. --	Unknown (siloxane?)	530. µg/kg
7. --	Unknown siloxane	1200. µg/kg
8. --	Unknown siloxane	770. µg/kg
9.		
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24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

D-90

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: F-9-G-2194-109-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
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4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown acetic acid ester	4500. µg/kg
2. 123-42-2	Hydroxymethylpentanone	140,000. µg/kg
3. 4305-26-4	2-hexanone,6-(acetyloxy)-	3400. µg/kg
4. 5343-96-4	2-butanol,3-methyl-,acetate	1700. µg/kg
5. 55956-25-7	2-propanol,1-(1-methyl-2-(2-propethoxyl)	620. µg/kg
6. --	Unknown - C17 alcohol?	570. µg/kg
7. 57-10-3	Hexadecanoic acid	450. µg/kg
8. 10544-50-0	Sulfur, Mol. (58)	4100. µg/kg
9. --	Unknown	1100. µg/kg
10. 7303-06-8	Phenanthrene, 3,4,5,6-tetramethyl	760. µg/kg
11. 7303-06-8	Phenanthrene, 3,4,5,6-tetramethyl	660. µg/kg
12. --	Unknown	730. µg/kg
13. --	Unknown	490. µg/kg
14. --	Unknown	1300. µg/kg
15. --	Unknown	550. µg/kg
16. --	Unknown	550. µg/kg
17. --	Unknown	490. µg/kg
18.		
19.		
20.		
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23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Near Surface Soil: Station H-12-D

CAS Number	Compound Name	Y2108 0-0.5'	Y2109 0.5'-1.0'	Y2110 1.0'-2.0'
(Concentration units are parts per billion)				
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	11.4	17.5	1.1

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	ND	ND	23.*
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station H-12-D

CAS Number	Compound Name	Y2108	Y2109	Y2110
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	120.	95.	120.
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station H-12-D

CAS Number	Compound Name	Y2108	Y2109	Y2110
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND
108-95-2	Phenol	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station H-12-D

CAS Number	Compound Name	Y2108	Y2109	Y2110
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	2400.	1600.
92-87-5	Benzidine	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	1000.	ND
67-72-1	Hexachloroethane	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND
206-44-0	Fluoranthene	230.*	14,000.	15,000.
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station H-12-D

CAS Number	Compound Name	Y2108	Y2109	Y2110
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND
78-59-1	Isophorone	1500.	6900.	5800.
91-20-3	Naphthalene	ND	600.	1800.
98-95-3	Nitrobenzene	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	530.*	170.*	230.*
85-68-7	Butyl benzyl phthalate	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	2900.	2000.
117-84-0	Di-N-octyl phthalate	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND
56-55-3	Benzo(A)anthracene	530.*	10,000.	16,000.
50-32-8	Benzo(A)pyrene	ND	6500.	16,000.
205-99-2	Benzo(B)fluor- anthene	ND	4100.	530.
207-08-9	Benzo(K)fluoranthene	ND	4100.	530.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station H-12-D

CAS Number	Compound Name	Y2108	Y2109	Y2110
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	530.*	7500.	12,000.
208-96-8	Acenaphthylene	ND	2000.	1600.
120-12-7	Anthracene	ND	3900.	2400.
191-24-2	Benzo(GHI)perylene	ND	3800.	3700.
86-73-7	Fluorene	ND	2500.	4400.
85-01-8	Phenanthrene	ND	15,000.	13,000.
53-70-3	Dibenzo(A,H) anthracene	ND	1000.	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	3900.	4000.
129-00-0	Pyrene	2100.*	16,000.	39,000.
62-53-3	Aniline	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND
132-64-9	Dibenzofuran	ND	1700.	4500.
91-57-6	2-Methylnaphthalene	ND	1500.	15,000.
88-74-4	2-Nitroaniline	ND	ND	ND
99-09-2	3-Nitroaniline	ND	4800.*	ND
100-01-6	4-Nitroaniline	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station H-12-D

CAS Number	Compound Name	Y2108	Y2109	Y2110
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	11,400.**	5700.**	60.**
72-55-9	4,4'-DDE	3000.**	2700.**	40.**
72-54-8	4,4'-DDD	1300.**	3400.**	130.**
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	6400.**	ND	ND
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: H-12-D

CAS Number	Compound Name	Y2108	Y2109	Y2110
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	ND	ND	210.
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	1.3	2.0	1.7
	Arsenic	15.	13.	15.
	Beryllium	0.4	1.3	0.7
	Cadmium	1.4	1.1	0.7
	Chromium	43.	83.	31.
	Copper	100.	120.	74.
	Lead	290.	250.	360.
	Mercury	0.3	0.5	0.9
	Nickel	31.	32.	18.
	Selenium	<3.	<3.	<2.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Near Surface Soil: Station H-12-D

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CAS Number	Compound Name	Y2108	Y2109	Y2110
<u>Metals (Continued)</u>				
	Silver	0.2	0.3	0.3
	Thallium	<2.	<2.	<2.
	Zinc	1600.	1500.	810.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.12	0.08	0.15
	Total Phenols	1.5	1.4	2.1

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D2B-QP-D-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

D-100

SAMPLE DESCRIPTION: Soil: Station H-12-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: H-12-D-2108-100-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 123-42-2	Hydroxymethylpentanone	148,000. µg/kg
2. 17301-32-5	Undecane, 4,7-dimethyl	89,000. µg/kg
3. --	Unknown ~ C13 alkane	53,000. µg/kg
4. --	Unknown	41,000. µg/kg
5. 61141-72-8	Dodecane, 4,6-dimethyl	100,000. µg/kg
6. 17301-32-5	Undecane, 4,7-dimethyl	190,000. µg/kg
7. --	Unknown - naphthalenol deriv.?	51,000. µg/kg
8. --	Unknown	69,000. µg/kg
9. --	Unknown	59,000. µg/kg
10. --	Unknown ~ C17 alkane	96,000. µg/kg
11. --	Unknown - indene deriv.	67,000. µg/kg
12. 17301-32-5	Undecane, 4,7-dimethyl	210,000. µg/kg
13. --	Unknown - indene deriv.	180,000. µg/kg
14. --	Unknown	72,000. µg/kg
15. 17301-32-5	Undecane, 4,7-dimethyl	120,000. µg/kg
16. --	Unknown	67,000. µg/kg
17. --	Unknown - indene deriv.	140,000. µg/kg
18. --	Unknown alkane	230,000. µg/kg
19. --	Unknown ~ C17 alkane	250,000. µg/kg
20. 629-78-7	Heptadecane	90,000. µg/kg
21. --	Unknown ~ C17 alkane	78,000. µg/kg
22. 629-92-5	Nonadecane	67,000. µg/kg
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

D-101

SAMPLE DESCRIPTION: Soil: Station H-12-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: H-12-D-2109-101-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1. --	Unknown	40 µg/kg
2. --	Unknown	20 µg/kg
3. --	Unknown	40 µg/kg
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. 123-42-2	Hydroxymethylpentanone	120,000. µg/kg
2. --	Unknown ~ C13 alkane	140,000. µg/kg
3. --	Unknown ~ C13 alkane	91,000. µg/kg
4. --	Unknown ~ C13 alkane	120,000. µg/kg
5. --	Unknown ~ C13 alkane	180,000. µg/kg
6. --	Unkonwn oxy-alkane	59,000. µg/kg
7. --	Unknown ~ C17 alkane	59,000. µg/kg
8. --	Unknown ~ C14 alkane	100,000. µg/kg
9. --	Unknown alkane	180,000. µg/kg
10. 4832-83-6	1H-indene, octahydro-2,3,4,4,7	90,000. µg/kg
11. --	Unknown - cyclohexane alkyl deriv.?	62,000. µg/kg
12. --	Unknown ~ C21 alkane	110,000. µg/kg
13. --	Unknown - Indene deriv.?	83,000. µg/kg
14. --	Unknown ~ C13 alkane	190,000. µg/kg
15. --	Unknown alkane	66,000. µg/kg
16. --	Unknown ~ C16 alkane	190,000. µg/kg
17. --	Unknown ~ C13 alkane	82,000. µg/kg
18. 629-78-7	Heptadecane	170,000. µg/kg
19. 629-78-7	Heptadecane	140,000. µg/kg
20. --	Unknown ~ C14 alkane	75,000. µg/kg
21. --	Unknown ~ C19 alkane	120,000. µg/kg
22. 629-92-5	Nonadecane	81,000. µg/kg
23. --	Unknown ~ C21 alkane	46,000. µg/kg
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

D-102

SAMPLE DESCRIPTION: Soil: Station H-12-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: H-12-D-2110-102-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1. --	Unknown	90 µg/kg
2. --	Unknown	30 µg/kg
3. --	Unknown	50 µg/kg
4. --	Unknown	40 µg/kg
5. --	Unknown	40 µg/kg
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. 123-42-2	Hydroxymethylpentanone	63,000. µg/kg
2. 17301-32-5	Undecane, 4,7-dimethyl	89,000. µg/kg
3. 17301-32-5	Undecane, 4,7-dimethyl	110,000. µg/kg
4. --	Unknown ~ C13 alkane	56,000. µg/kg
5. --	Unknown ~ C11 alkane	71,000. µg/kg
6. --	Unknown ~ C13 alkane	120,000. µg/kg
7. --	Unknown ~ cyclohexane deriv. ?	52,000. µg/kg
8. --	Unknown ~ C17 alkane	48,000. µg/kg
9. --	Unknown ~ C17 alkane	58,000. µg/kg
10. --	Unknown ~ C13 alkane	110,000. µg/kg
11. --	Unknown - cyclohexane deriv. ?	56,000. µg/kg
12. --	Unknown ~ C21 alkane	69,999. µg/kg
13. --	Unknown ~ C13 alkane	110,000. µg/kg
14. --	Unknown ~ C17 alkane	50,000. µg/kg
15. --	Unknown ~ C16 alkane	120,000. µg/kg
16. 544-76-3	Hexadecane	62,000. µg/kg
17. --	Unknown ~ C17 alkane	120,000. µg/kg
18. 629-78-7	Heptadecane	130,000. µg/kg
19. 18344-37-1	Heptadecane, 2,6,10,14-tetramethyl	51,000. µg/kg
20. --	Unknown ~ C19 alkane	1,000,000. µg/kg
21. 629-94-7	Heneicosane	830,000. µg/kg
22. 629-94-7	Heneicosane	490,000. µg/kg
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Soil Boring: Station K-9-D (I)

CAS Number	Compound Name	Y2168 0-0.5'	Y2169 0.5'-1.0'	Y2170 1.0'-2.0'	Y2171 2.0'-3.5'	Y2172 3.5'-5.0'
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(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	2.1	5.1	4.2	1.1	0.42
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Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	52.	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (I)

CAS Number	Compound Name	Y2168	Y2169	Y2170	Y2171	Y2172
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	93.	97.	71.	85.	170.
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (I)

CAS Number	Compound Name	Y2168	Y2169	Y2170	Y2171	Y2172
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND	ND
108-95-2	Phenol	ND	ND	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND	ND	300.*



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (I)

CAS Number	Compound Name	Y2168	Y2169	Y2170	Y2171	Y2172
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	ND	ND	320.*	ND
92-87-5	Benzidine	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	170.*	ND	ND	ND
118-74-1	Hexachlorobenzene	190.*	1000.	530.*	ND	700.*
67-72-1	Hexachloroethane	ND	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	160.*	530.*	1100.	3700.	370.*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D

CAS Number	Compound Name	Y2168	Y2169	Y2170	Y2171	Y2172
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND	ND
91-20-3	Naphthalene	ND	ND	ND	160.*	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	360.*	3700.	41,000.	33,000.	120.*
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	360.*	460.*	1200.	1700.	580.*
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	160.*	ND	690.*	2200.	210.*
50-32-8	Benzo(A)pyrene	ND	430.*	630.*	2700.	240.*
205-99-2	Benzo(B)fluoranthene	420.*	560.*	610.*	1600.	370.*
207-08-9	Benzo(K)fluoranthene	ND	ND	610.*	1600.	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (I)

CAS Number	Compound Name	Y2168	Y2169	Y2170	Y2171	Y2172
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	190.*	ND	690.*	2100.	210.*
208-96-8	Acenaphthylene	ND	ND	170.*	420.*	ND
120-12-7	Anthracene	ND	ND	330.*	970.*	ND
191-24-2	Benzo(GHI)perylene	ND	ND	680.*	1600.	ND
86-73-7	Fluorene	ND	ND	ND	390.*	ND
85-01-8	Phenanthrene	ND	330.*	1100.	3800.	300.*
53-70-3	Dibenzo(A,H) anthracene	ND	ND	340.*	780.*	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	590.*	1400.	ND
129-00-0	Pyrene	490.*	460.*	1300.	3700.	340.*
62-53-3	Aniline	ND	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in µg/kg)</u>						
309-00-2	Aldrin	ND	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (I)

CAS Number	Compound Name	Y2168	Y2169	Y2170	Y2171	Y2172
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	1700.**	17,000.**	4300.**	ND	520.**
72-55-9	4,4'-DDE	400.**	3000.**	1300.**	50.**	70.**
72-54-8	4,4'-DDD	330.**	3000.**	1800.**	60.**	80.**
959-98-8	alpha-Endosulfan	ND	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	4800.**	210.**	440.**
319-85-7	beta-BHC	1500.**	28,000. <sup>C</sup>	12,000.**	450.**	680.**
58-89-9	gamma-BHC	ND	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (I)

CAS Number	Compound Name	Y2168	Y2169	Y2170	Y2171	Y2172
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	0.4	1.0	0.5	0.9	0.8
	Arsenic	5.4	8.9	10.	13.	16.
	Beryllium	0.4	0.2	0.1	0.5	0.3
	Cadmium	2.0	1.0	0.8	0.4	0.3
	Chromium	22.	2.0	20.	11.	17.
	Copper	110.	110.	110.	68.	39.
	Lead	91.	400.	260.	140.	110.
	Mercury	1.2	1.3	0.7	0.1	0.4
	Nickel	34.	26.	22.	11.	11.
	Selenium	<2.	<2.	<2.	<2.	<2.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (I)

CAS Number	Compound Name	Y2168	Y2169	Y2170	Y2171	Y2172
<u>Metals (Continued)</u>						
	Silver	<0.2	<0.2	<0.2	<0.2	<0.2
	Thallium	<2.	<2.	<2.	<2.	<2.
	Zinc	200.	270.	220.	260.	150.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.22	0.60	0.29	0.25	0.27
	Total Phenols	0.25	0.59	0.66	1.01	1.18

D2B-QP-A-1 to 9

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Soil Boring: Station K-9-D (II)

CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
		5.0'-6.5'	6.5'-8.0'	8.0'-9.5'	9.5'-11.0'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.3	ND(0.20)	ND(0.20)	ND(0.07)

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (II)

CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
<u>Volatiles (Continued)</u>					
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND
75-09-2	Methylene chloride	70.	90.	77.	180.
74-87-3	Chloromethane	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	54.
78-93-3	2-Butanone	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (II)

CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
<u>Volatiles (Continued)</u>					
519-78-6	2-Hexanone	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND
108-95-2	Phenol	ND	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (II)

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CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
<u>Base/Neutral/Acids (Continued)</u>					
83-32-9	Acenaphthene	ND	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND
206-44-0	Fluoranthene	1100.	700.*	290.*	230.*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (II)

CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
<u>Base/Neutral/Acids (Continued)</u>					
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND
91-20-3	Naphthalene	ND	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	1300.	ND	97.*	ND
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	620.*	1100.	450.*	430.*
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	720.*	400.*	230.*	ND
50-32-8	Benzo(A)pyrene	980.*	470.*	190.*	ND
205-99-2	Benzo(B)fluoranthene	550.*	560.*	260.*	ND
207-08-9	Benzo(K)fluoranthene	550.*	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (II)

CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
<u>Base/Neutral/Acids (Continued)</u>					
218-01-9	Chrysene	680.*	330.*	160.*	ND
208-96-8	Acenaphthylene	ND	ND	ND	ND
120-12-7	Anthracene	290.*	170.*	ND	ND
191-24-2	Benzo(GHI)perylene	520.*	ND	ND	ND
86-73-7	Fluorene	ND	ND	ND	ND
85-01-8	Phenanthrene	620.*	330.*	130.*	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	460.*	ND	ND	ND
129-00-0	Pyrene	1000.	560.*	290.*	230.*
62-53-3	Aniline	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
309-00-2	Aldrin	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (II)

CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
<u>Pesticides and PCBs (Continued)</u>					
50-29-3	4,4'-DDT	ND	ND	ND	ND
72-55-9	4,4'-DDE	ND	ND	ND	ND
72-54-8	4,4'-DDD	ND	ND	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (II)

CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND
7085-19-0	MCPPP	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>					
	Antimony	0.6	0.3	0.1	0.2
	Arsenic	8.0	12.	3.6	6.7
	Beryllium	<0.1	0.1	0.2	0.3
	Cadmium	<0.1	<0.1	<0.1	<0.1
	Chromium	9.1	8.2	8.7	7.5
	Copper	12.	11.	10.	8.6
	Lead	460.	16.	18.	14.
	Mercury	0.1	0.1	0.3	<0.1
	Nickel	4.9	5.7	7.3	8.2
	Selenium	<2.	<1.	<2.	<1.

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-9-D (II)

CAS Number	Compound Name	Y2173	Y2174	Y2175	Y2177
<u>Metals (Continued)</u>					
	Silver	<0.2	<0.2	<0.2	<0.2
	Thallium	<2.	<2.	<2.	<2.
	Zinc	63.	40.	40.	66.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>					
	Total Cyanide	0.16	0.10	0.13	0.18
	Total Phenols	0.48	0.48	0.06	0.23

D2B-QP-B-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-9-D-2168-100-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1. --	A terpene	50. µg/kg
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<b>BASE/NEUTRAL/ACIDS:</b>		
1. 108-21-4	1-methylethylester acetic acid	3600. µg/kg
2. 123-42-2	4-hydroxy-4-methyl-2-pentanone	56,000. µg/kg
3. --	Unknown	720. µg/kg
4. --	Unknown (methyl carbonyl)	4400. µg/kg
5. 111-46-6	2,2 <sup>1</sup> -oxybisethanol	1500. µg/kg
6. 5343-96-4	3-methyl-2-butanol acetate	1100. µg/kg
7. 87-44-5	Bicyclo[7.2.0]undec-4-ene, 4,11	790. µg/kg
8. 58-89-9	1,2,3,4,5,6-hexachlorocyclohexane	840. µg/kg
9. 4329-12-8	Benzene,1-chloro-3-[2,2]dichlo	480. µg/kg
10. 629-97-0	Docosane	3200. µg/kg
11. --	Unknown	570. µg/kg
12. 630-07-9	Pentatriacontane	11,000. µg/kg
13. --	Unknown (ca. C <sub>40</sub> hydrocarbon)	480. µg/kg
14. --	Unknown	530. µg/kg
15. --	Unknown	850. µg/kg
16. --	Unknown	600. µg/kg
17. --	Unknown	720. µg/kg
18. --	Unknown	460. µg/kg
19.		
20.		
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-9-D-2169-101-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
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15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. --	Unknown - acetic acid ester?	2900. µg/kg
2. 123-42-2	Hydroxymethylpentanone	74,000. µg/kg
3. 105-46-4	Acetic acid, 1-methylpropylester	3000. µg/kg
4. 108-05-4	Acetic acid ethenylester	810. µg/kg
5. 58-89-9	Cyclohexane 1,2,3,4,5,6-C16	8100. µg/kg
6. 58-89-9	Cyclohexane 1,2,3,4,5,6-C16	22,000. µg/kg
7. 58-89-9	Cyclohexane 1,2,3,4,5,6-C16	610. µg/kg
8. 4329-12-8	Benzene, 1-chloro-3-[2,2-C12---	860. µg/kg
9. 4329-12-8	Benzene, 1-chloro-3-[2,2-C12---	2300. µg/kg
10. 50-29-3	Benzene, 1,1-[2,2,2-C13---	3000. µg/kg
11. --	C20-C40 hydrocarbon unknown	850. µg/kg
12. 630-07-9	Pentatriacontane	3300. µg/kg
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-9-D-2170-102-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
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12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 6975-92-4	1-hexene, 2,5-dimethyl	500. µg/kg
2. --	Unknown methyl carbonyl	610. µg/kg
3. --	Unknown methyl carbonyl	4700. µg/kg
4. 123-42-2	Hydroxymethylpentanone	93,000. µg/kg
5. --	Unknown methyl carbonyl	2700. µg/kg
6. --	Unknown methyl carbonyl	960. µg/kg
7. 319-84-6	Cyclohexane, 1,2,3,4,5,6-Cl <sub>6</sub>	830. µg/kg
8. 319-84-6	Cyclohexane, 1,2,3,4,5,6-Cl <sub>6</sub>	3800. µg/kg
9. 10544-50-0	Sulfur, Mol. (58)	470. µg/kg
10. 4329-12-8	Benzene, 1-chloro-3-[2,2-Cl <sub>2</sub>	860. µg/kg
11. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-Cl <sub>3</sub> )	510. µg/kg
12. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-Cl <sub>3</sub> )	1300. µg/kg
13. --	Phthalate unknown	820. µg/kg
14. --	Unknown	670. µg/kg
15. 205-82-3	Benzo[J]fluoranthene	640. µg/kg
16. --	Unknown	890. µg/kg
17. --	Unknown C <sub>20</sub> -C <sub>3</sub> H hydrocarbon	1300. µg/kg
18. --	Unknown	790. µg/kg
19. --	Unknown	530. µg/kg
20. --	Unknown	830. µg/kg
21. --	Unknown	480. µg/kg
22. --	Unknown siloxane	630. µg/kg
23. --	Unknown	700. µg/kg
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-9-D-2171-103-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
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14.		
15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. --	Unkonwn acetic acid ester?	4000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	95,000. µg/kg
3. --	Unknown carbonyl CPD	4000. µg/kg
4. --	Unknown acetic acid ester?	1100. µg/kg
5. 58-89-9	Cyclohexane, 1,2,3,4,5,6-Cl <sub>6</sub>	1800. µg/kg
6. --	Unknown methyl phenanthrene?	860. µg/kg
7. 10544-50-0	Sulfur, Mol. (58)	960. µg/kg
8. --	Unkonwn - methyl pyrene?	960. µg/kg
9. 4329-12-8	Benzene-1-ch]oro-3-[2,2-Cl <sub>2</sub> ---	900. µg/kg
10. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-Cl <sub>3</sub> )	820. µg/kg
11. --	Unknown	3700. µg/kg
12. 630-07-9	Pentatriacontane	990. µg/kg
13. 205-82-3	Benzo[J]fluoranthene	1600. µg/kg
14. 630-0709	Pentatriacontane	4000. µg/kg
15. --	Unknown - column bleed?	1100. µg/kg
16. --	Unknown - column bleed?	770. µg/kg
17. --	Unknown	610. µg/kg
18. --	Unknown	590. µg/kg
19. --	Unknown PNA	440. µg/kg
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-9-D-2172-104-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown	570. µg/kg
2. --	Unknown ethanethioic acid?	910. µg/kg
3. 123-42-2	Hydroxymethylpentanone	47,000. µg/kg
4. --	Unknown methyl carbonyl	100. µg/kg
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-9-D-2173-105-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown acetic acid ester?	2900. µg/kg
2. 123-42-2	Hydroxymethylpentanone	95,000. µg/kg
3. --	Unknown carbonyl CPD	2700. µg/kg
4. --	Unknown	880. µg/kg
5. 10544-50-0	Sulfur, Mol. (58)	2400. µg/kg
6. --	Unknown PNA	860. µg/kg
7. --	Unknown - column bleed?	490. µg/kg
8. --	Unknown - column bleed?	850. µg/kg
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24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-9-D-2174-106-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-21-4	Acetic acid, 1-methylethylester	3300. µg/kg
2. 123-42-2	Hydroxymethylpentanone	85,000. µg/kg
3. --	Unknown methyl carbonyl	3000. µg/kg
4. 111-46-6	Ethanol, 2,2 <sup>1</sup> -oxybis	2400. µg/kg
5. --	Unknown methyl carbonyl	940. µg/kg
6. 10544-50-0	Sulfur, Mol (58)	1600. µg/kg
7. --	Unknown PAH	960. µg/kg
8. --	Unknown	630. µg/kg
9. --	Unknown hydrocarbon	1000. µg/kg
10. --	Unknown	640. µg/kg
11. --	Unknown	450. µg/kg
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-9-D-2175-107-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. --	Unkonwn - methyl carbonyl (C6)	530. µg/kg
2. --	Unknown - methyl carbonyl	2700. µg/kg
3. 123-42-2	Hydroxymethylpentanone	53,000. µg/kg
4. 4305-26-4	2-hexanone, 6-(acetyloxy)-	2600. µg/kg
5. 5343-96-4	2-butanol, 3-methyl-, acetate	600. µg/kg
6. --	Unknown	650. µg/kg
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-9-D-2177-109-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 52097-85-5	Cyclobutene, 2-propenylidene	470. µg/kg
2. 4359-77-7	2-pentanone, 3-methylene	530. µg/kg
3. 763-93-9	3-hexene-2-one	400. µg/kg
4. --	Unknown	296. µg/kg
5. 108-21-4	Acetic acid, 1-methylethylester	1800. µg/kg
6. 123-42-2	Hydroxymethylpentanone	94,000. µg/kg
7. --	Unknown methyl carbonyl	3000. µg/kg
8. --	Unknown methyl carbonyl	740. µg/kg
9. --	Unknown	290. µg/kg
10. --	Unknown	290. µg/kg
11. --	Unknown	310. µg/kg
12. --	Unknown	530. µg/kg
13. --	Unknown	980. µg/kg
14. --	Unknown	320. µg/kg
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072 0-0.5'	Y2073 0.5'-1.0'	Y2074 1.0'-2.0'	Y2197 2.0'-3.5'	Y2198 3.5'-5.0'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	1.1	2.7	0.76	0.34	0.19

Volatile Organic Compounds (Concentration Units are in µg/kg)

71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072	Y2073	Y2074	Y2197	Y2198
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	280.	750.	240.	98.	77.
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	83.	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072	Y2073	Y2074	Y2197	Y2198
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	ND	\$	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND	\$	ND	ND
95-57-8	2-Chlorophenol	ND	ND	\$	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	\$	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	\$	ND	ND
88-75-5	2-Nitrophenol	ND	ND	\$	ND	ND
100-02-7	4-Nitrophenol	ND	ND	\$	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	\$	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	\$	ND	ND
87-86-5	Pentachlorophenol	ND	ND	\$	ND	ND
108-95-2	Phenol	ND	ND	\$	ND	ND
65-85-0	Benzoic acid	920.*	ND	\$	ND	ND
95-48-7	2-Methylphenol	ND	ND	\$	ND	ND
108-39-4	4-Methylphenol	ND	ND	\$	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	\$	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072	Y2073	Y2074	Y2197	Y2198
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	ND	\$	ND	ND
92-87-5	Benzidine	ND	ND	\$	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	\$	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	\$	ND	ND
67-72-1	Hexachloroethane	ND	ND	\$	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	\$	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	\$	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	\$	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	\$	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	\$	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	\$	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	\$	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	\$	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	\$	ND	ND
206-44-0	Fluoranthene	330.*	1400.	\$	990.	490.*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	\$	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	\$	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	\$	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	\$	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072	Y2073	Y2074	Y2197	Y2198
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	ND	\$	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	\$	ND	ND
78-59-1	Isophorone	ND	ND	\$	ND	ND
91-20-3	Naphthalene	ND	ND	\$	ND	ND
98-95-3	Nitrobenzene	ND	ND	\$	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	\$	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	\$	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	\$	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	790.*	740.*	\$	5000.	90,000.
85-68-7	Butyl benzyl phthalate	ND	ND	\$	ND	360.*
84-74-2	Di-N-butyl phthalate	1200.	2300.	\$	950.*	940.*
117-84-0	Di-N-octyl phthalate	ND	ND	\$	ND	ND
84-66-2	Diethyl phthalate	ND	ND	\$	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	\$	ND	ND
56-55-3	Benzo(A)anthracene	200.*	1600.	\$	590.*	ND
50-32-8	Benzo(A)pyrene	ND	ND	\$	690.*	260.*
205-99-2	Benzo(B)fluoranthene	ND	2900.	\$	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	\$	890.*	390.*

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072	Y2073	Y2074	Y2197	Y2198
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	230.*	1500.	\$	620.*	ND
208-96-8	Acenaphthylene	ND	ND	\$	ND	ND
120-12-7	Anthracene	ND	ND	\$	360.*	ND
191-24-2	Benzo(GHI)perylene	ND	ND	\$	360.*	ND
86-73-7	Fluorene	ND	ND	\$	ND	ND
85-01-8	Phenanthrene	ND	800.*	\$	620.*	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	\$	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	\$	330.*	ND
129-00-0	Pyrene	230.*	4100.	\$	920.*	490.*
62-53-3	Aniline	ND	ND	\$	ND	ND
100-51-6	Benzyl alcohol	ND	ND	\$	ND	ND
106-47-8	4-Chloroaniline	ND	ND	\$	ND	ND
132-64-9	Dibenzofuran	ND	ND	\$	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	\$	ND	ND
88-74-4	2-Nitroaniline	ND	ND	\$	ND	ND
99-09-2	3-Nitroaniline	ND	ND	\$	ND	ND
100-01-6	4-Nitroaniline	ND	ND	\$	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
309-00-2	Aldrin	ND	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072	Y2073	Y2074	Y2197	Y2198
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	1500.**	2400.**	2100.**	2300.**	680.**
72-55-9	4,4'-DDE	370.**	440.**	440.**	490.**	200.**
72-54-8	4,4'-DDD	350.**	ND	70.**	280.**	ND
959-98-8	alpha-Endosulfan	ND	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND	ND
319-85-7	beta-BHC	1000.**	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072	Y2073	Y2074	Y2197	Y2198
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND	ND
7085-19-0	MCPPP	ND	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND	ND
94-75-7	2,4-D	120.	280.	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	2.5	1.5	6.0	0.4	0.5
	Arsenic	9.4	17.	46.	5.8	8.0
	Beryllium	0.1	0.4	35.	1.6	2.3
	Cadmium	1.0	1.0	0.9	0.2	0.2
	Chromium	170.	75.	59.	2.	120.
	Copper	350.	310.	210.	110.	140.
	Lead	270.	130.	140.	120.	530.
	Mercury	1.7	0.7	0.5	0.2	0.3
	Nickel	100.	40.	38.	33.	17.
	Selenium	<0.4	<2.	<5.	<0.3	<1.



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (I)

CAS Number	Compound Name	Y2072	Y2073	Y2074	Y2197	Y2198
<u>Metals (Continued)</u>						
	Silver	1.1	0.2	0.3	<0.2	<0.2
	Thallium	<2.	<2.	<2.	<2.	<2.
	Zinc	400.	650.	7500.	570.	520.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	1.65	0.69	\$	0.45	0.27
	Total Phenols	0.41	0.39	\$	0.48	0.28

D2B-QP-I-1 to 9

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
		5.0'-6.5'	6.5'-8.0'	8.0'-9.5'	9.5'-11.0'

(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.72	0.60	0.84	0.54
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Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
<u>Volatiles (Continued)</u>					
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND
75-09-2	Methylene chloride	130.	170.	160.	49.
74-87-3	Chloromethane	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
<u>Volatiles (Continued)</u>					
519-78-6	2-Hexanone	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND
108-95-2	Phenol	ND	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
<u>Base/Neutral/Acids (Continued)</u>					
83-32-9	Acenaphthene	ND	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND
206-44-0	Fluoranthene	ND	ND	ND	650.*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
<u>Base/Neutral/Acids (Continued)</u>					
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND
91-20-3	Naphthalene	ND	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	530.*	710.*	330.*
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	330.*	670.*	1500.	980.*
117-84-0	Di-N-octyl phthalate	ND	630.*	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND	ND	540.*
50-32-8	Benzo(A)pyrene	ND	300.*	ND	ND
205-99-2	Benzo(B)fluoranthene	ND	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	360.*	ND	ND	650.*

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
<u>Base/Neutral/Acids (Continued)</u>					
218-01-9	Chrysene	630.*	ND	ND	440.*
208-96-8	Acenaphthylene	ND	ND	ND	ND
120-12-7	Anthracene	ND	ND	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND	ND	ND
86-73-7	Fluorene	ND	ND	ND	ND
85-01-8	Phenanthrene	ND	ND	ND	440.*
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND
129-00-0	Pyrene	800.*	ND	ND	1700.
62-53-3	Aniline	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
309-00-2	Aldrin	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
<u>Pesticides and PCBs (Continued)</u>					
50-29-3	4,4'-DDT	260.**	40.**	ND	ND
72-55-9	4,4'-DDE	80.**	ND	ND	ND
72-54-8	4,4'-DDD	40.**	ND	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>					
	Antimony	<0.1	0.1	0.1	<0.1
	Arsenic	6.1	4.2	2.9	2.4
	Beryllium	0.6	0.3	0.4	0.2
	Cadmium	<0.1	<0.1	<0.1	<0.1
	Chromium	14.	7.2	8.6	8.9
	Copper	310.	350.	340.	120.
	Lead	23.	6.3	12.	15.
	Mercury	<0.1	<0.1	0.1	0.2
	Nickel	9.6	7.1	9.4	5.6
	Selenium	<0.2	0.2	<0.2	<0.2

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Soil Boring: Station K-12-B (II)

CAS Number	Compound Name	Y2199	Y2200	Y2201	Y2203
<u>Metals (Continued)</u>					
	Silver	<0.2	<0.2	<0.2	<0.2
	Thallium	<2.	<2.	<2.	<2.
	Zinc	150.	36.	63.	40.
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>					
	Total Cyanide	0.74	0.13	0.09	0.20
	Total Phenols	0.09	0.09	<0.01	0.09

D2B-QP-F-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-12-B-2072-100-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
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4.		
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10.		
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12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown acetic acid ester	1100. µg/kg
2. 123-42-2	Hydroxymethylpentanone	120,000. µg/kg
3. --	Unknown ketone-Mek ?	1200. µg/kg
4. --	Unknown ketone or acid	3000. µg/kg
5. --	Unknown	2700. µg/kg
6. 470-82-6	Oxabicycloheptane	1500. µg/kg
7. 76-22-2	Bicycloheptanone	1200. µg/kg
8. --	Unknown	5200. µg/kg
9. --	Unknown aldehyde	1800. µg/kg
10. 57-10-3	Hexadecanoic acid	4900. µg/kg
11. --	Unknown	2800. µg/kg
12. 638-66-4	Octadecanal	590. µg/kg
13. --	Unknown ~ C <sub>40</sub> alkane?	640. µg/kg
14. --	Unknown ~ C <sub>40</sub> alkane	1300. µg/kg
15. 629-99-2	Pentacosane	12,000. µg/kg
16. 630-07-9	Pentatriacontane	1300. µg/kg
17. 630-07-9	Pentatriacontane	160,000. µg/kg
18. --	Unknown	1500. µg/kg
19. --	Unknown-siloxane?	2700. µg/kg
20. --	Unknown-stigmasta-5, etc. species	2400. µg/kg
21. --	Unknown-stigmasta-5, etc. species	5000. µg/kg
22. 20475-86-9	URS-12-EN-24-OICACID, 3-OXO-methyl- ester	1500. µg/kg
23.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-12-B-2073-101-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1. --	Unknown	40. µg/kg
2.		
3.		
4.		
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9.		
10.		
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12.		
13.		
14.		
15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. --	Unknown acetic acid ester?	5400. µg/kg
2. 123-42-2	Hydroxymethylpentanone	83,000. µg/kg
3. --	Unknown ketone or acid?	4600. µg/kg
4. 343-96-4	2-butanol, 3-methyl, acetate	2700. µg/kg
5. --	Unknown-dodecanone?	840. µg/kg
6. --	Unknown	1000. µg/kg
7. 50-29-3	Benzene, 1,1 <sup>1</sup> -(2,2,2-trichloroethyl- idene---	4200. µg/kg
8. --	Unknown	5800. µg/kg
9. --	Unknown siloxane	4300. µg/kg
10. --	Unknown-alkane	5800. µg/kg
11. 629-94-8	Heneicosane	7000. µg/kg
12.		
13.		
14.		
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24.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-12-B-2074-102-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1. --	Unknown	30. µg/kg
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1.	NO RESULTS, INSUFFICIENT SAMPLE FOR ANALYSIS	
2.		
3.		
4.		
5.		
6.		
7.		
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-12-B-2197-103-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
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12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - acetic acid ester	4500. µg/kg
2. 123-42-2	Hydroxymethylpentanone	160,000. µg/kg
3. 4305-26-4	2-hexanone,6-(acetyloxy)	3400. µg/kg
4. --	Unknown	1300. µg/kg
5. --	Unknown organic acid	560. µg/kg
6. 10544-50-0	Sulfur, Mol. (58)	1800. µg/kg
7. --	Unknown ~ C17 alkane	910. µg/kg
8. 630-07-9	Pentatriacontane	1800. µg/kg
9. --	Unknown	820. µg/kg
10.		
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-BOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-12-B-2198-104-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
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9.		
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12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - acetic acid ester?	2300. µg/kg
2. 123-42-2	Hydroxymethylpentanone	116,700. µg/kg
3. --	Unknown acid or ketone	2100. µg/kg
4. --	Unknown	1200. µg/kg
5. 2099-116-9	Benzoic acid, pentyl ester	2000. µg/kg
6. 10544-511-0	Sulfur, Mol. (58)	2000. µg/kg
7. 27544-26-3	Diisooctyl phthalate	730. µg/kg
8. 27544-26-3	Diisooctyl phthalate	660. µg/kg
9. 117-84-0	Dioctyl phthalate	550. µg/kg
10. 27544-26-3	Diisooctyl phthalate	1200. µg/kg
11. 27544-26-3	Diisooctyl phthalate	28,000. µg/kg
12. --	Unknown - siloxane	540. µg/kg
13. --	Unknown - siloxane	500. µg/kg
14. --	Unknown - alkane ~ C13	630. µg/kg
15.		
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-12-B-2199-105-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
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12.		
13.		
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15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. --	Unknown - acetic acid ester?	3700. µg/kg
2. 123-42-2	Hydroxymethylpentanone	67,000. µg/kg
3. --	Unknown acid or ketone	3400. µg/kg
4. --	Unknown	1200. µg/kg
5. 10544-50-0	Sulfur, Mol. (58)	850. µg/kg
6. --	Unknown - alkane?	450. µg/kg
7. --	Unknown - siloxane	480. µg/kg
8. --	Unknown - alkane ~ C <sub>40</sub>	510. µg/kg
9. --	Unknown - siloxane	610. µg/kg
10.		
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-12-B-2200-106-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<b>VOLATILES:</b>		
1.	NONE DETECTED	
2.		
3.		
4.		
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6.		
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12.		
13.		
14.		
15.		
<b>BASE/NEUTRAL/ACIDS:</b>		
1. --	Unknown ~ C9 alkane	2000. µg/kg
2. --	Unknown	2200. µg/kg
3. --	Unknown	590. µg/kg
4. --	Unknown - acetic acid ester?	7000. µg/kg
5. 123-42-2	Hydroxymethylpentanone	67,000. µg/kg
6. --	Unknown - carbonyl cpd.	14,000. µg/kg
7. 111-46-6	Ethanol, 2,2 <sup>1</sup> -oxybis	7200. µg/kg
8. --	Unknown	4200. µg/kg
9. --	Unknown organic acid ~ C16	560. µg/kg
10. --	Unknown (phthalate?)	730. µg/kg
11. 22754-26-3	Diisooctyl phthalate	720. µg/kg
12. 22754-26-3	Diisooctyl phthalate	1500. µg/kg
13. 7299-89-0	Bis(2-ethylbutyl)phthalate	1400. µg/kg
14.		
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-BOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-12-B-2201-107-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
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12.		
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15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown acetic acid ester	2700. µg/kg
2. 123-42-2	Hydroxymethylpentanone	128,500. µg/kg
3. --	Unknown	1900. µg/kg
4. --	Unknown	970. µg/kg
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-BOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-12-B-2203-109-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown	1300. µg/kg
2. --	Unknown - acetic acid ester?	7100. µg/kg
3. 123-42-2	Hydroxymethylpentanone	77,000. µg/kg
4. --	Unknown	15,000. µg/kg
5. 5343-96-4	2-butanol,3-methyl-acetate	4000. µg/kg
6. 10544-50-0	Sulfur, Mol. (58)	520. µg/kg
7. --	Unknown - siloxane	480. µg/kg
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

APPENDIX  
**E**

APPENDIX E

APPENDIX E  
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FEBRUARY 13, 1985, SAMPLES	
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**FOOTNOTES TO:  
Quantitative Priority Pollutant Analytical Results Tables**

- ND:** analyzed for, but not detected at the method detection limit for this sample, including dilution adjustments.
- \***: reported value is estimated; the compound meets identification criteria but the result is less than the specified detection limit but greater than zero.
- \*\***: detected and quantitated by GC, but detected below GC/MS DL so GC/MS confirmation not attempted; dual column GC confirmation has been performed. (Applies to pesticides only)
- §**: insufficient sample for analysis.
- a**: identification confirmed by GC/MS
- b**: results not available at this time

**ORGANIC PRIORITY POLLUTANT  
METHOD DETECTION LIMITS**

Individual Compound	CAS Number	Detection Limits	
		Low Water ug/L	Low Soil/Sediment ug/Kg
<b>VOLATILES:</b>			
1. Chloromethane	74-87-3	10	10
2. Bromomethane	74-83-9	10	10
3. Vinyl Chloride	75-01-4	10	10
4. Chloroethane	75-00-3	10	10
5. Methylene Chloride	75-09-2	5	5
6. Acetone	67-64-1	10	10
7. Carbon Disulfide	75-15-0	5	5
8. 1,1-Dichloroethene	75-35-4	5	5
9. 1,1-Dichloroethane	75-35-3	5	5
10. trans-1,2-Dichloroethene	156-60-5	5	5
11. Chloroform	67-66-3	5	5
12. 1,2-Dichloroethane	107-06-2	5	5
13. 2-Butanone	78-93-3	10	10
14. 1,1,1-Trichloroethane	71-55-6	5	5
15. Carbon Tetrachloride	56-23-5	5	5
16. Vinyl Acetate	108-05-4	10	10
17. Bromodichloromethane	75-27-4	5	5
18. 1,1,2,2-Tetrachloroethane	79-34-5	5	5
19. 1,2-Dichloropropane	78-87-5	5	5
20. trans-1,3-Dichloropropene	10061-02-6	5	5
21. Trichloroethene	79-01-6	5	5
22. Dibromochloromethane	124-48-1	5	5
23. 1,1,2-Trichloroethane	79-00-5	5	5
24. Benzene	71-43-2	5	5
25. cis-1,3-Dichloropropene	10061-01-5	5	5
26. 2-Chloroethyl Vinyl Ether	110-75-8	10	10
27. Bromoform	75-25-2	5	5
28. 2-Hexanone	591-78-6	10	10
29. 4-Methyl-2-pentanone	108-10-1	10	10
30. Tetrachloroethene	127-18-4	5	5
31. Toluene	108-88-3	5	5
32. Chlorobenzene	108-90-7	5	5
33. Ethyl Benzene	100-41-4	5	5
34. Styrene	100-42-5	5	5
35. Total Xylenes		5	5
<b>BASE/NEUTRAL/ACIDS:</b>			
36. N-Nitrosodimethylamine	62-75-9	10	330
37. Phenol	108-95-2	10	330
38. Aniline	62-53-3	10	330
39. bis(2-Chloroethyl)ether	111-44-4	10	330
40. 2-Chlorophenol	95-57-8	10	330



Individual Compound	CAS Number	Detection Limits	
		Low Water ug/L	Low Soil/Sediment ug/Kg
<b>BASE/NEUTRAL/ACIDS: (Cont'd)</b>			
41. 1,3-Dichlorobenzene	541-73-1	10	330
42. 1,4-Dichlorobenzene	106-46-7	10	330
43. Benzyl Alcohol	100-51-6	10	330
44. 1,2-Dichlorobenzene	95-50-1	10	330
45. 2-Methylphenol	95-48-7	10	330
46. bis(2-Chloroisopropyl)ether	39638-32-9	10	330
47. 4-Methylphenol	106-44-5	10	330
48. N-Nitroso-Dipropylamine	621-64-7	10	330
49. Hexachloroethane	67-72-1	10	330
50. Nitrobenzene	98-95-3	10	330
51. Isophorone	78-59-1	10	330
52. 2-Nitrophenol	88-75-5	10	330
53. 2,4-Dimethylphenol	105-67-9	10	330
54. Benzoic Acid	65-85-0	50	1600
55. bis(2-Chloroethoxy)methane	111-91-1	10	330
56. 2,4-Dichlorophenol	120-83-2	10	330
57. 1,2,4-Trichlorobenzene	120-82-1	10	330
58. Naphthalene	91-20-3	10	330
59. 4-Chloroaniline	106-47-8	10	330
60. Hexachlorobutadiene	87-68-3	10	330
61. 4-Chloro-3-methylphenol (para-chloro-meta-cresol)	59-50-7	10	330
62. 2-Methylnaphthalene	91-57-6	10	330
63. Hexachlorocyclopentadiene	77-47-4	10	330
64. 2,4,6-Trichlorophenol	88-06-2	10	330
65. 2,4,5-Trichlorophenol	95-95-4	50	1600
66. 2-Chloronaphthalene	91-58-7	10	330
67. 2-Nitroaniline	88-74-4	50	1600
68. Dimethyl Phthalate	131-11-3	10	330
69. Acenaphthylene	208-96-8	10	330
70. 3-Nitroaniline	99-09-2	50	1600
71. Acenaphthene	83-32-9	10	330
72. 2,4-Dinitrophenol	51-28-5	50	1600
73. 4-Nitrophenol	100-02-7	50	1600
74. Dibenzofuran	132-64-9	10	330
75. 2,4-Dinitrotoluene	121-14-2	10	330
76. 2,6-Dinitrotoluene	606-20-2	10	330
77. Diethylphthalate	84-66-2	10	330
78. 4-Chlorophenyl Phenyl ether	7005-72-3	10	330
79. Fluorene	86-73-7	10	330
80. 4-Nitroaniline	100-01-6	50	1600

Individual Compound	CAS Number	Detection Limits	
		Low Water ug/L	Low Soil/Sediment ug/Kg
<b>BASE/NEUTRAL/ACIDS: (Cont'd)</b>			
81. 4,6-Dinitro-2-methylphenol	534-52-1	50	1600
82. N-nitrosodiphenylamine	86-30-6	10	330
83. 4-Bromophenyl Phenyl ether	101-55-3	10	330
84. Hexachlorobenzene	118-74-1	10	330
85. Pentachlorophenol	87-86-5	50	1600
86. Phenanthrene	85-01-8	10	330
87. Anthracene	120-12-7	10	330
88. Di-n-butylphthalate	84-74-2	10	330
89. Fluoranthene	206-44-0	10	330
90. Benzidine	92-87-5	80	2600
91. Pyrene	129-00-0	10	330
92. Butyl Benzyl Phthalate	85-68-7	10	330
93. 3,3'-Dichlorobenzidine	91-94-1	20	660
94. Benzo(a)anthracene	56-55-3	10	330
95. bis(2-ethylhexyl)phthalate	117-81-7	10	330
96. Chrysene	218-01-9	10	330
97. Di-n-octyl Phthalate	117-84-0	10	330
98. Benzo(b)fluoranthene	205-99-2	10	330
99. Benzo(k)fluoranthene	207-08-9	10	330
100. Benzo(2)pyrene	50-32-8	10	330
101. Indeno(1,2,3-cd)pyrene	193-39-5	10	330
102. Dibenz(a,h)anthracene	53-70-3	10	330
103. Benzo(g,h,i)perylene	191-24-2	10	330
<b>PESTICIDES/PCBs:</b>			
104. alpha-BHC	319-84-6	0.10	20.0
105. beta-BHC	319-85-7	0.10	20.0
106. delta-BHC	319-86-8	0.10	20.0
107. gamma-BHC(Lindane)	58-89-9	0.10	20.0
108. Heptachlor	76-44-8	0.10	20.0
109. Aldrin	309-00-2	0.10	20.0
110. Heptachlor Epoxide	1024-57-3	0.10	20.0
111. Endosulfan I	959-98-8	0.10	20.0
112. Dieldrin	60-57-1	0.10	20.0
113. 4,4'-DDE	72-55-9	0.10	20.0
114. Endrin	72-20-8	0.10	20.0
115. Endosulfan II	33213-65-9	0.10	20.0
116. 4,4'-DDD	72-54-8	0.10	20.0
117. Endrin Aldehyde	7421-93-4	0.10	20.0
118. Endosulfan Sulfate	1031-07-8	0.10	20.0
119. 4,4'-DDT	50-29-3	0.10	20.0

Individual Compound	CAS Number	Detection Limits	
		Low Water ug/L	Low Soil/Sediment ug/Kg
<b>PESTICIDES/PCBs: (Cont'd)</b>			
120. Chlordane	57-74-9	0.10	20.0
121. Toxaphene	8001-35-2	1.0	200.0
122. AROCLOR-1016	12674-11-2	1.0	200.0
123. AROCLOR-1221	11104-28-2	1.0	200.0
124. AROCLOR-1232	11141-16-5	1.0	200.0
125. AROCLOR-1242	53469-21-9	1.0	200.0
126. AROCLOR-1248	12672-29-6	1.0	200.0
127. AROCLOR-1254	11097-69-1	1.0	200.0
128. AROCLOR-1260	11096-82-5	1.0	200.0
129. Dalapon (Dowpon)	75-99-0	1.0	100.0
130. Dicamba	1918-00-9	1.0	100.0
131. MCPP	7085-19-0	300.0	30,000.0
132. MCPA	94-74-6	300.0	30,000.0
133. Dichloroprop (2,4-DP)	120-36-5	1.0	100.0
134. 2,4-D	94-75-7	1.0	100.0
135. 2,4,5-TP (silvex)	93-72-1	1.0	100.0
136. 2,4,5-T	93-76-5	1.0	100.0
137. 2,4-DB	94-82-6	1.0	100.0
138. Dinoseb (DNBP)	88-85-7	1.0	100.0

**NOTE:** Specific detection limits are highly matrix dependent. The detection limits listed herein are provided for guidance and may not always be achievable. See a raw sample data for actual limits achieved for each analysis.

## 120 LISTER AVENUE GROUNDWATER

## ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS

<u>Sample No.</u>	<u>Station</u>	<u>Well No.</u>	<u>VOA</u>	<u>Base/Neutral/Acid</u>	<u>Pesticide</u>	<u>Herbicide</u>
Y2482	F-9-G	MW-101	Low <sup>1</sup>	Low <sup>1</sup>	Low <sup>1</sup>	Low
Y2483	D-12-D	MW-102	Low	Low <sup>2</sup>	Low	Low
Y2484	K-12-D	MW-103	Low	Low	Low	Low
Y2599	F-9-G	MW-101	Low <sup>2</sup>	Low <sup>1</sup>	Low <sup>3</sup>	Low <sup>1</sup>
Y2600	D-12-D	MW-102	Low	Low	Low <sup>1</sup>	Low

1 Further dilution 1:5

2 Further dilution 1:2

3 Further dilution 1:100

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
120 Lister Avenue  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482 MW 101 (F-9-G)	Y2483 MW 102 (D-12-D)	Y2484 MW 103 (K-12-D)
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(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	ND(.0005)	ND(.004)	ND(.002)
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Volatile Organic Compounds (Concentration Units are in  $\mu\text{g/l}$ )

71-43-2	Benzene	260.	12.*	ND
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	120.	18.*	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482	Y2483	Y2484
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	61.	19.	6.
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	1.*
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	1.*
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482	Y2483	Y2484
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{l}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND
120-33-2	2,4-Dichlorophenol	790.	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND
108-95-2	Phenol	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482	Y2483	Y2484
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND
206-44-0	Fluoranthene	ND	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482	Y2483	Y2484
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND
91-20-3	Naphthalene	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	24.*	ND
85-68-7	Butyl benzyl phthalate	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482	Y2483	Y2484
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	ND
120-12-7	Anthracene	ND	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND	ND
86-73-7	Fluorene	ND	ND	ND
85-01-8	Phenanthrene	23.*	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND
129-00-0	Pyrene	ND	ND	ND
62-53-3	Aniline	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g/l}</math>)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482	Y2483	Y2484
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	0.7**	0.6**	0.3**
72-55-9	4,4'-DDE	0.1**	0.2**	ND
72-54-8	4,4'-DDD	0.5**	0.1**	ND
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	ND	ND	0.3**
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482	Y2483	Y2484
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g/l}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	12.	2.9	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	0.021	0.008	<0.001
	Arsenic	0.400	0.089	0.044
	Beryllium	0.024	0.003	0.004
	Cadmium	0.020	0.005	<0.001
	Chromium	0.30	0.26	0.13
	Copper	1.34	0.287	0.562
	Lead	6.0	1.0	0.23
	Mercury	0.062	0.003	0.003
	Nickel	0.23	0.11	0.11
	Selenium	<0.03	<0.01	<0.02

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled February 13, 1985

CAS Number	Compound Name	Y2482	Y2483	Y2484
<u>Metals (Continued)</u>				
	Silver	0.011	0.003	0.002
	Thallium	<0.02	<0.02	0.02
	Zinc	36.	1.316	1.74
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	<0.01	<0.01	0.04
	Total Phenols	3.	0.01	0.01

D2B-QP-M-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-101

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: F-9-G-2482-298-H-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-90-7	Chlorobenzene	600. µg/l
2. --	Unknown	100. µg/l
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-102

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: D-12-D-2483-298-H-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-103

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-12-D-2484-298-H-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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<u>BASE/NEUTRAL/ACIDS:</u>		
1.	NONE DETECTED	
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
 120 Lister Avenue  
 Ground Water: Sampled March 6, 1985

CAS Number	Compound Name	Y2599	Y2600
		MW 101 (F-9-G)	MW 102 (D-12-D)
(Concentration units are parts per billion)			
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	ND(.0013)	ND(.0012)

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	400.	3.0*
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	360.	12.
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled March 6, 1985

CAS Number	Compound Name	Y2599	Y2600
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	7.2*	2.0*
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	2.8*	0.8*
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	38.	3.6*
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled March 6, 1985

CAS Number	Compound Name	Y2599	Y2600
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND
95-57-8	2-Chlorophenol	320.	ND
120-33-2	2,4-Dichlorophenol	770.	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled March 6, 1985

CAS Number	Compound Name	Y2599	Y2600
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	11.*	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	57.*	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled March 6, 1985

CAS Number	Compound Name	Y2599	Y2600
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	18.*	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	7.*
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	19.*	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	21.*	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled March 6, 1985

CAS Number	Compound Name	Y2599	Y2600
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	19.*	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-8	Phenanthrene	57.*	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	55.*	3.*
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled March 6, 1985

CAS Number	Compound Name	Y2599	Y2600
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	2.5**
72-55-9	4,4'-DDE	ND	3.2**
72-54-8	4,4'-DDD	ND	1.8**
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled March 6, 1985

CAS Number	Compound Name	Y2599	Y2600
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	0.070	<0.001
	Arsenic	0.279	0.016
	Beryllium	0.020	0.002
	Cadmium	0.018	<0.001
	Chromium	0.32	0.04
	Copper	1.46	0.059
	Lead	6.6	0.35
	Mercury	0.003	0.001
	Nickel	0.30	0.01
	Selenium	<0.03	<0.005



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Ground Water: Sampled March 6, 1985

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CAS Number	Compound Name	Y2599	Y2600
<u>Metals (Continued)</u>			
	Silver	0.020	0.016
	Thallium	<0.02	<0.02
	Zinc	27.	0.417
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.06	<0.01
	Total Phenols	3.3	0.01

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D2A-QP-N-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-101

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: F-9-G-2599-298-H-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-88-3	Toluene	100. µg/l
2. 108-90-7	Chlorobenzene	1000. µg/l
3. --	Chlorophenol isomers	2000. µg/l
4. --	Unknown	50. µg/l
5. --	Unknown	200. µg/l
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-102

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: D-12-D-2600-298-H-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION <sup>1</sup>
<u>VOLATILES:</u>		
1.	NONE DETECTED	
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<u>BASE/NEUTRAL/ACIDS:</u>		
1.	NONE DETECTED	
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<sup>1</sup>quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

APPENDIX  
**F**

APPENDIX F

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C L I E N T #	S A M P L E S C	S O I L T E S T
S-B-1-1164-106-S-P	Sargent Soil: Borehole #1	841002
S-B-1-1165-107-S-P	Sargent Soil: Borehole #1	841002
S-B-1-1166-108-S-P	Sargent Soil: Borehole #1	841002
S-B-1-1167-109-S-P	Sargent Soil: Borehole #1	841002
S-B-1-1193-106-S-P	Sargent Soil: Borehole #1	841003
S-B-1-1194-107-S-P	Sargent Soil: Borehole #1	841003
S-B-1-1649-111-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1650-112-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1651-113-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1652-114-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1679-115-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1680-116-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1681-117-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1682-118-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1683-119-S-P	Soil: Borehole #1	841018
S-B-1-1684-120-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1685-121-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1686-122-S-P	Sargent Soil: Borehole #1	841018
S-B-1-1688-124-S-P	Sargent Soil: Borehole #1	841019
S-B-2-1380-107-S-P	Sargent Soil: Borehole #2	841009
S-B-2-1381-108-S-P	Sargent Soil: Borehole #2	841009
S-B-2-1382-109-S-P	Sargent Soil: Borehole #2	841009
S-B-2-1383-110-S-P	Sargent Soil: Borehole #2	841009
S-B-2-1384-111-S-P	Sargent Soil: Borehole #2	841009
S-B-2-1400-112-S-P	Sargent Soil: Borehole #2	841009
S-B-3-0974-102-S-L	Sargent Soil: Borehole #3	840927
S-B-3-0975-103-S-P	Sargent Soil: Borehole #3	840927
S-B-3-0976-104-S-P	Sargent Soil: Borehole #3	840927
S-B-3-0977-105-S-P	Sargent Soil: Borehole #3	840927
S-B-3-0978-106-S-P	Sargent Soil: Borehole #3	840927
S-B-3-1120-109-S-P	Sargent Soil: Borehole #3	841003
S-B-3-1218-107-S-P	Sargent Soil: Borehole #3	841003
S-B-3-1219-108-S-P	Sargent Soil: Borehole #3	841003
S-B-3-1221-110-S-P	Sargent Soil: Borehole #3	841003
S-B-3-1222-111-S-P	Sargent Soil: Borehole #3	841003
S-B-3-1223-112-S-P	Sargent Soil: Borehole #3	841003
S-B-3-1224-113-S-P	Sargent Soil: Borehole #3	841003
S-B-3-1479-123-S-P	Sargent Soil: Borehole #3	841016
S-B-3-1480-124-S-P	Sargent Soil: Borehole #3	841017
S-B-3-1481-125-S-P	Sargent Soil: Borehole #3	841017
S-B-3-1559-114-S-P	Sargent Soil: Borehole #3	841015
S-B-3-1560-115-S-P	Sargent Soil: Borehole #3	841015
S-B-3-1561-116-S-P	Sargent Soil: Borehole #3	841015
S-B-3-1562-117-S-P	Sargent Soil: Borehole #3	841015
S-B-3-1563-118-S-P	Sargent Soil: Borehole #3	841015
S-B-3-1564-119-S-P	Sargent Soil: Borehole #3	841015

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S-B-3-1565-120-S-P      841016
S-B-3-1596-121-S-P    Sargent Soil: Borehole #3    841016
S-B-3-1597-122-S-P    Sargent Soil: Borehole #3    841016
S-B-4-0985-102-S-L    Sargent Soil: Borehole #4    840927
S-B-4-0986-103-S-P    Sargent Soil: Borehole #4    840927
S-B-4-0987-104-S-P    Sargent Soil: Borehole #4    840927
S-B-4-0988-105-S-P    Sargent Soil: Borehole #4    840927
S-B-4-0989-106-S-P    Sargent Soil: Borehole #4    840927
S-B-4-0990-107-S-P    Sargent Soil: Borehole #4    840927
S-B-4-1032-108-S-P    Sargent Soil: Borehole #4    840927
S-B-4-1033-109-S-P    Sargent Soil: Borehole #4    840927
S-B-4-1318-111-S-P    Sargent Soil: Borehole #4    841008
S-B-4-1319-112-S-P    Sargent Soil: Borehole #4    841008
S-B-5-0992-102-S-L    Sargent Soil: Borehole #5    841005
S-B-5-0993-103-S-P    Sargent Soil: Borehole #5    841005
S-B-5-0994-104-S-P    Sargent Soil: Borehole #5    841005
S-B-5-0995-105-S-P    Sargent Soil: Borehole #5    841005
S-B-5-0996-106-S-P    Sargent Soil: Borehole #5    841005
S-B-5-0997-107-S-P    Sargent Soil: Borehole #5    841005
S-B-5-1271-108-S-P    Sargent Soil: Borehole #5    841004
S-B-5-1412-110-S-P    Sargent Soil: Borehole #5    841009
S-B-5-1413-111-S-P    Sargent Soil: Borehole #5    841010
S-B-5-1414-112-S-P    Sargent Soil: Borehole #5    841010
S-B-5-1415-113-S-P    Sargent Soil: Borehole #5    841010
S-B-5-1431-114-S-P    Sargent Soil: Borehole #5    841010
S-B-5-1432-115-S-P    Sargent Soil: Borehole #5    841010
S-B-5-1433-116-S-P    Sargent Soil: Borehole #5    841010
S-B-5-1434-117-S-P    Sargent Soil: Borehole #5    841010
S-B-5-1435-118-S-P    Sargent Soil: Borehole #5    841010
S-B-5-1436-119-S-P    Sargent Soil: Borehole #5    841011
S-B-5-1454-120-S-P    Sargent Soil: Borehole #5    841011
S-B-5-1455-121-S-P    Sargent Soil: Borehole #5    841011
STB1-0872-102-S-L    Sargent Soil: Borehole #1, 12-24"  840926
STB1-0873-103-S-P    Sargent Soil: Borehole #1, 2-4'    840926
STB1-0875-105-S-P    Sargent Soil: Borehole #3, 6-8'    840926
STB2-0880-102-S-L    Sargent Soil: Borehole #2, 1.0-2.0'  840926
STB2-0881-103-S-P    Sargent Soil: Borehole #2, 2-3.5'  840926
STB2-0882-104-S-P    Sargent Soil: Borehole #2, 3.5-5.0'  840926
STB2-0883-105-S-P    Sargent Soil: Borehole #2, 5.0-6.5'  840926
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APPENDIX G

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QUALITY ASSURANCE/QUALITY CONTROL RESULTS	G-1

Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481 Field Blank 2/13/85	Y2480 Trip Blank 2/13/85	Y2603 Field Blank 3/06/85	Y2602 Trip Blank 3/06/85
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	--	ND(0.001)	ND(0.0004)	ND

(Concentration units are parts per billion)

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g/l}$ )

71-43-2	Benzene	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	2.3*	0.7*
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND

Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

## QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Volatiles (Continued)</u>					
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND
75-09-2	Methylene chloride	11.	10.	2.3*	2.8*
74-87-3	Chloromethane	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	6.5*	7.6*
78-93-3	2-Butanone	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND

Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

## QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Volatiles (Continued)</u>					
519-78-6	2-Hexanone	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g/l}</math>)</u>					
88-06-2	2,4,6-Trichlorophenol	--	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	--	ND	ND	ND
95-57-8	2-Chlorophenol	--	ND	ND	ND
120-33-2	2,4-Dichlorophenol	--	ND	ND	ND
105-67-9	2,4-Dimethylphenol	--	ND	ND	ND
88-75-5	2-Nitrophenol	--	ND	ND	ND
100-02-7	4-Nitrophenol	--	ND	ND	ND
51-28-5	2,4-Dinitrophenol	--	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	--	ND	ND	ND
87-86-5	Pentachlorophenol	--	ND	ND	ND
108-95-2	Phenol	--	ND	ND	ND
65-85-0	Benzoic acid	--	ND	ND	ND
95-48-7	2-Methylphenol	--	ND	ND	ND
108-39-4	4-Methylphenol	--	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	--	ND	ND	ND

Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Base/Neutral/Acids (Continued)</u>					
83-32-9	Acenaphthene	--	ND	ND	ND
92-87-5	Benzidine	--	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	--	ND	ND	ND
118-74-1	Hexachlorobenzene	--	ND	ND	ND
67-72-1	Hexachloroethane	--	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	--	ND	ND	ND
91-58-7	2-Chloronaphthalene	--	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	--	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	--	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	--	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	--	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	--	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	--	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	--	ND	ND	ND
206-44-0	Fluoranthene	--	ND	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	--	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	--	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	--	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	--	ND	ND	ND

Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Base/Neutral/Acids (Continued)</u>					
87-68-3	Hexachlorobutadiene	--	ND	ND	ND
77-47-4	Hexachlorocyclopentadiene	--	ND	ND	ND
78-59-1	Isophorone	--	ND	ND	ND
91-20-3	Naphthalene	--	ND	ND	ND
98-95-3	Nitrobenzene	--	ND	ND	ND
62-75-9	N-nitrosodimethylamine	--	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	--	ND	ND	ND
621-64-7	N-nitrosodipropylamine	--	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	--	ND	ND	ND
85-68-7	Butyl benzyl phthalate	--	ND	ND	ND
84-74-2	Di-N-butyl phthalate	--	ND	ND	ND
117-84-0	Di-N-octyl phthalate	--	ND	ND	ND
84-66-2	Diethyl phthalate	--	ND	ND	ND
131-11-3	Dimethyl phthalate	--	ND	ND	ND
56-55-3	Benzo(A)anthracene	--	ND	ND	ND
50-32-8	Benzo(A)pyrene	--	ND	ND	ND
205-99-2	Benzo(B)fluoranthene	--	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	--	ND	ND	ND



Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

## QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Base/Neutral/Acids (Continued)</u>					
218-01-9	Chrysene	--	ND	ND	ND
208-96-8	Acenaphthylene	--	ND	ND	ND
120-12-7	Anthracene	--	ND	ND	ND
191-24-2	Benzo(GHI)perylene	--	ND	ND	ND
86-73-7	Fluorene	--	ND	ND	ND
85-01-8	Phenanthrene	--	ND	ND	ND
53-70-3	Dibenzo(A,H) anthracene	--	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	--	ND	ND	ND
129-00-0	Pyrene	--	ND	ND	ND
62-53-3	Aniline	--	ND	ND	ND
100-51-6	Benzyl alcohol	--	ND	ND	ND
106-47-8	4-Chloroaniline	--	ND	ND	ND
132-64-9	Dibenzofuran	--	ND	ND	ND
91-57-6	2-Methylnaphthalene	--	ND	ND	ND
88-74-4	2-Nitroaniline	--	ND	ND	ND
99-09-2	3-Nitroaniline	--	ND	ND	ND
100-01-6	4-Nitroaniline	--	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g/l}</math>)</u>					
309-00-2	Aldrin	--	ND	ND	ND
60-57-1	Dieldrin	--	ND	ND	ND
57-74-9	Chlordane	--	ND	ND	ND

Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Pesticides and PCBs (Continued)</u>					
50-29-3	4,4'-DDT	--	ND	ND	ND
72-55-9	4,4'-DDE	--	ND	ND	ND
72-54-8	4,4'-DDD	--	ND	ND	ND
959-98-8	alpha-Endosulfan	--	ND	ND	ND
33213-65-9	beta-Endosulfan	--	ND	ND	ND
1031-07-8	Endosulfan sulfate	--	ND	ND	ND
72-20-8	Endrin	--	ND	ND	ND
7421-93-4	Endrin aldehyde	--	ND	ND	ND
76-44-8	Heptachlor	--	ND	ND	ND
1024-57-3	Heptachlor epoxide	--	ND	ND	ND
319-84-6	alpha-BHC	--	ND	ND	ND
319-85-7	beta-BHC	--	ND	ND	ND
58-89-9	gamma-BHC	--	ND	ND	ND
319-86-8	delta-BHC	--	ND	ND	ND
53469-21-9	PCB-1242	--	ND	ND	ND
11097-69-1	PCB-1254	--	ND	ND	ND
11104-28-2	PCB-1221	--	ND	ND	ND
11141-16-5	PCB-1232	--	ND	ND	ND
12672-29-6	PCB-1248	--	ND	ND	ND
11096-82-5	PCB-1260	--	ND	ND	ND
12674-11-2	PCB-1016	--	ND	ND	ND
8001-35-2	Toxaphene	--	ND	ND	ND

Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g/l}</math>)</u>					
75-99-0	Dalapon (Dowpon)	--	ND	ND	ND
1918-00-9	Dicamba	--	ND	ND	ND
7085-19-0	MCPPP	--	ND	ND	ND
94-74-6	MCPA	--	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	--	ND	ND	ND
94-75-7	2,4-D	--	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	--	ND	ND	ND
93-76-5	2,4,5-T	--	ND	ND	ND
94-82-6	2,4-DB	--	ND	ND	ND
88-85-7	Dinoseb (DNBP)	--	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>					
	Antimony	--	<0.001	<0.001	<0.001
	Arsenic	--	0.002	<0.001	<0.001
	Beryllium	--	<0.002	<0.002	<0.002
	Cadmium	--	<0.001	<0.001	<0.001
	Chromium	--	<0.01	<0.01	<0.01
	Copper	--	<0.002	0.002	<0.002
	Lead	--	<0.01	<0.01	<0.01
	Mercury	--	<0.001	<0.001	<0.001
	Nickel	--	<0.01	<0.01	<0.01
	Selenium	--	<0.001	<0.001	<0.002

Quality Control: Field/Trip Blanks Associated With  
120 Lister Groundwater Sampling - 2/13/85 and 3/06/85

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Metals (Continued)</u>					
	Silver	--	<0.002	<0.002	0.013
	Thallium	--	<0.02	<0.02	<0.02
	Zinc	--	0.013	0.001	<0.001
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>					
	Total Cyanide	--	<0.01	<0.01	<0.01
	Total Phenols	--	<0.01	0.02	<0.01

D2B-QP-H-1 to 9

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Field Blanks (I)

CAS Number	Compound Name	C2012 1/15/85	C2049 1/16/85	C2083 1/17/85	C2128 1/18/85	C2196 1/19/85
<u>Volatile Organic Compounds (Concentration Units are in µg/l)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	2.*	2.*	1.*
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Field Blanks (I)

CAS Number	Compound Name	C2012	C2049	C2083	C2128	C2196
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	7.	8.	23.	11.	22.
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	6.
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Field Blanks (I)

CAS Number	Compound Name	C2012	C2049	C2083	C2128	C2196
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D2A-QP-P-1 to 3

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Field Blanks (II)

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CAS Number	Compound Name	C2221 1/23/85	C2223 1/24/85
<u>Volatile Organic Compounds (Concentration Units are in µg/l)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND



QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Field Blanks (II)

CAS Number	Compound Name	C2221	C2223
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	19.	14.
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Field Blanks (II)

CAS Number	Compound Name	C2221	C2223
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND

D2A-QP-Q-1 to 3

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Trip Blanks (I)

CAS Number	Compound Name	C2013 1/15/85	C2048 1/16/85	C2082 1/17/85	C2127 1/18/85	C2195 1/19/85
<u>Volatile Organic Compounds (Concentration Units are in µg/l)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Trip Blanks (I)

CAS Number	Compound Name	C2013	C2048	C2082	C2127	C2195
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	9.	6.	34.	15.	23.
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Trip Blanks (I)

CAS Number	Compound Name	C2013	C2048	C2082	C2127	C2195
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D2A-QP-R-1 to 3

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Trip Blanks (II)

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CAS Number	Compound Name	C2220 1/23/85	C2222 1/24/85
<u>Volatile Organic Compounds (Concentration Units are in <math>\mu\text{g/l}</math>)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Trip Blanks (II)

CAS Number	Compound Name	C2220	C2222
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	41.	17.
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS  
Quality Control Samples: Trip Blanks (II)

CAS Number	Compound Name	C2220	C2222
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND

D2A-QP-S-1 to 3





APPENDIX H

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WORK PLAN FOR NEWARK, NEW JERSEY OFF SITES

The following Work Plan is submitted pursuant to the requirements of Article 5 of the Administrative Consent Order II (ACO II) between the State of New Jersey and Diamond Shamrock Chemicals Company signed on December 20, 1984 and describes site preparation at 120 Lister Avenue and remedial activities which will be undertaken by the Diamond Shamrock Chemicals Company (hereinafter "the Company") for the purpose of removing 2, 3, 7, 8 - TCDD (hereinafter "dioxin"), other chemicals and the chemicals listed in Appendix B of this Work Plan from the following sites in the City of Newark, New Jersey for storage at 120 Lister Avenue:

1. Brady Iron and Metal, Inc.
2. Conrail
3. Hildemann Industries
4. Morris Canal
5. Parkway Medians
6. Newark Boxboard
7. Those areas specifically mentioned in Section VII, Paragraph 2.0 of this Work Plan.

Dioxin concentrations of 1.0 part per billion (ppb) shall be considered as the action level except that on certain industrial properties residual dioxin levels not to exceed 7 ppb may be approved on a case by case basis by the New Jersey Department of Environmental Protection (hereinafter "the Department"). Unless otherwise expressly provided herein, "acceptable levels of dioxin" means levels less than or equal to 1.0 ppb.

For the purposes of this Work Plan, "other chemicals" shall be defined as the United States Environmental Protection Agency's (EPA) 129 priority pollutants "plus 40" (See Part 1 of Appendix A to ACO I).

The plans and procedures developed for 80 Lister Avenue and approved by the Department as required by ACO I are included herein by reference as part of this Work Plan along with appropriate addenda provided in Appendix F to adapt plans for specific "off sites" locations:

- Public health protection plan and addenda
- Worker health protection plan and addenda
- Safety and industrial hygiene plan and addenda
- Site security plan and addenda
- Compliance plan, New Jersey "Worker & Community Right to Know Act"
- Emergency (fire, evacuation, first aid, medical) action plan
- Runoff and contaminated water storage, treatment and disposal plan and addenda
- Plan for the prevention of the spread of recontamination of the area via vehicles, personnel, addenda, etc.
- Procedures for sampling, identification, and handling protocol
- Analytical procedures
- Quality assurance and Quality Control plan.

Within two weeks of the approval of this Work Plan, the Company shall:

- Conduct an initial inspection and perform such maintenance of the filter system located in the northwest corner of the Brady Iron and Metal site as may be required. The sand will be inspected to allow free flow of water or will be replaced if they appear to be plugged with dirt or silt.

- Conduct an initial inspection of the geotech fabric covering the Brady Iron and Metal site and resecure the fabric as necessary. Torn fabric will be repaired or replaced, if repair is not possible.
- Conduct an initial inspection of the fences and gates of the Brady Iron and Metal and Newark Boxboard sites and repair fences and gates, as required, to return them to operable conditions.
- All locks will be changed to a single key, multiple lock system. The Department will be supplied two keys.

I. - 120 LISTER AVENUE

The purpose of this phase of the work is to prepare 120 Lister Avenue to receive the containers of spoils originating off site.

The work required consists of the following:

- 1.0 Each vehicle, tanker, or piece of equipment from the unpaved portion of 120 Lister Avenue will be vacuumed to remove the gross dust using a vacuum equipped with a HEPA filter. Following vacuuming, the vehicle, tanker, or piece of equipment will be washed with high-pressure water. Collected dust will be considered contaminated, placed in containers, and stored on site. Spent water will be accumulated, stored, sampled, and discharged following treatment approved by the Department.
- 2.0 Following wash, each vehicle, tanker, or piece of equipment from the unpaved portion of 120 Lister Avenue will be wipe sampled at two points, one each from the top and undercarriage or bottom. The wipe samples from the first two items receiving treatment will be analyzed for dioxin. One sample taken from a point to be selected by the Department from each of the next two items treated will be analyzed for dioxin. If all samples result in acceptable ( $\leq 10$  ng/cm<sup>2</sup>) residual dioxin levels, the balance of the items will be considered to have been sufficiently decontaminated without further dioxin analysis.
- 2.1 Upon satisfactory completion of the decontamination procedures, the vehicles, tankers, and equipment will be removed from the site. A polyethylene and geotextile "road" will be laid to provide access for the egress of the vehicles.

- 2.2 The box trailer containing drums of materials will be unloaded. The exterior of the drums will be vacuumed, washed, and staged for disposal prior to decontaminating the trailer. Samples of the contents of the drums will be collected and analyzed for the purpose of waste classification and subsequent disposal. This shall include: EP Toxicity, Hazardous Waste Characteristics and PCB screen.
- 2.3 Those trailers which have deteriorated to the point where they are no longer road worthy will be removed following cleaning as scrap metal. This removal operation without post-sampling is subject to the effectiveness of the decontamination procedures with post-sampling as indicated in paragraph 2.0.
- 2.4 All equipment and material located on the paved portion of 120 Lister Avenue will be removed from the property after demonstration that dioxin contamination is  $\leq 10$  ng/cm<sup>2</sup>. This will be done by selecting twenty (20) pieces of equipment and collecting ten (10) wipe samples. The Department will select the twenty (20) pieces of equipment. Each wipe sample will consist of a composite of two pieces of equipment. If analytical results show unacceptable ( $>10$  ng/cm<sup>2</sup>) residual dioxin levels, decontamination will be conducted as described in paragraph 1.0 above prior to removal. If analytical results show acceptable ( $\leq 10$  ng/cm<sup>2</sup>) residual dioxin levels, all equipment is clean for removal.



- 2.5 An 8-foot chain link fence will be erected in a generally north/south direction, starting at the river and running parallel to the building on the west side of the property as shown on IT Corporation Drawing No. 846376-E1 to delineate the "hot zone". Geotechnical fabric (8-foot full wire height) on the fence will be used to reduce fugitive dust migration. The property, including the building, west of the fence line, will be considered contaminated and included for the purposes of future remediation with the property at 80 Lister Avenue. The property east of the fence line will be included and treated for the purposes of this Work Plan and ACO II as belonging to 120 Lister Avenue.
- 3.0 A comprehensive site evaluation to determine the levels of dioxin, other chemicals, and the chemicals listed in Appendix "B" will be conducted for areas east of the hot zone. The dioxin analysis portion of this evaluation shall be completed and sent to the Department by February 15, 1985; the remainder of such evaluation shall be completed and sent to the Department by May 1, 1985. An extension of time may be required for resampling and remediation should any dioxin results be greater than 7 ppb. The comprehensive site evaluation shall include the following:

### 3.1 Buildings

Dioxin levels will be determined by sampling and analyzing (per approved techniques of the 80 Lister Avenue plan) interior and exterior surfaces of the three buildings located on 120 Lister Avenue (two warehouses and one shed). Four (4) composite samples shall be taken, each representing two samples taken from adjacent exterior and interior walls and two samples, one each for the floor and exterior surface of the roof. All samples will be analyzed for dioxin. If residual dioxin levels of  $\leq 7$  ppb are detected, the building(s) on the east boundary of the property will be demolished leaving only the foundation and floor slab, using appropriate methodology including water sprays to eliminate fugitive dust migration. The rubble, if masonry, may be crushed and used as fill on 120 Lister Avenue; otherwise it shall be removed to areas west of the hotline to be disposed of as part of the 80 Lister Avenue remediation. The demolition of the building(s) may not begin until written approval is provided by the Department which is required within five days of the dioxin evaluation submission.

### 3.2 Soil Testing

Initial soil samples of all exposed soil surfaces shall be taken to a depth of 24 inches at the nodes of a 50-foot x 50-foot grid. Specifically, discrete samples will be taken at zero to 6 inches, 6 to 12 inches, and 12 to 24 inches. Fifty percent of these nodes will be analyzed for dioxin and 33-1/3 percent of the nodes analyzed for dioxin (one-sixth of the total) shall also be analyzed for other chemicals and the chemicals listed in Appendix B. The specific other chemical discrete samples analyzed will taken from depths of be zero to 6 inches, 6 to 12 inches, and 12 to 24 inches. The selection of the nodes to be submitted for analysis will be determined by the Department. At three of the nodes where analyses of other chemicals and the chemicals listed in Appendix B are drilled, borings to the depth of the Meadow Mat will be performed. Continuous split spoon samples will be obtained. Composite samples at 18-inch increments below existing grade and extending to the Meadow Mat will be taken from the split spoon sample and analyzed for dioxin, other chemicals, and the chemicals listed in Appendix B. Additional biased samples shall be taken at locations determined by the Department prior to January 11, 1985. Based upon the analyses of all of these samples, a determination shall be made, subject to the approval of the Department, regarding the need to conduct further sampling and analysis. The existing "hot spot" will be excavated as approved by the Department prior to initiation of the soil testing program with soils deposited west of the hot zone.

### 3.3 Ground Water

Three ground water monitoring wells shall be installed and samples collected to determine levels in the ground water of dioxin, other chemicals, and the chemicals listed in Appendix B. Locations and depths of monitoring wells shall be subject to the approval of the Department. Ground water monitoring wells will coincide with the location of the soil borings discussed in Paragraph 3.2. All wells shall be constructed using the methodology previously described in the Work Plan for 80 Lister Avenue and subsequently approved by the Department. The materials of construction shall be PVC as previously approved by the Department. Initial water sampling shall consist of two samples taken two weeks apart as previously approved by the Department. Thereafter, quarterly samples will be obtained. Ground water gradients shall be determined using the monitoring wells and from data obtained from existing wells on the adjacent property (80 Lister Ave.).

### 3.4 Underground Pipes

Below grade piping and conveyance systems shall be identified from point of origination on the site to the point of termination. To the extent possible, below grade conveyance systems and piping shall be sampled and analyzed for dioxin, other chemicals and the chemicals listed in Appendix B. Based upon the analyses of these samples, a determination shall be made, subject to the approval of the Department, regarding the need to conduct further sampling and for subsequent remedial action.

### 3.5 Air Monitoring

An ambient air monitoring program, in addition to personnel monitoring, shall be established subject to the approval of the Department to determine airborne data for dioxin concentration during any site remediation and preparation work.

### 3.6 Utilities

All utilities shall be terminated near the property line and rerouted as necessary.

### 3.7 Geotechnical Investigation

Information previously gathered in the autumn of 1984 for 120 Lister Avenue concerning the characteristics of the soil underlying the site, including determination of soil types, depth of soil layers, and soil structure will be provided to the Department for information.

## 4.0 SITE PREPARATION

On or before April 1, 1985, the Company shall complete all activities necessary to prepare the site to receive the containers of off-site spoils described in this paragraph providing approval to proceed is received by February 25th from the Department. Specific work items follow:

- 4.1 The geotechnical fabric presently covering the site, will be picked up and placed in clean PVC overwrap for possible use in stabilizing the Brady Site during the winter. The pallets underlying the fabric in the ponded area of the Sergeant site have been removed and stored in the building on the west side of the property.

- 4.2 The concrete blocks used to secure the geotechnical fabric covering the site will be picked up and stored on site or utilized wherever needed with State approval.
- 4.3 Soil excavation and other remedial work as required will be performed so that the levels of dioxin remaining on site are  $\leq 7$  ppb.
- 4.4 Standing water prior to remediation will be discharged to the POTW via pumping through a carbon filter as previously approved by the Department.
- 4.5 Following approval by the Department of the February 15, 1985 dioxin analytical results (which shall be provided by the Department by February 22, 1985), the property will be capped and prepared to receive containers of spoils from the off-site areas in accordance with Drawing No. 846367-E1 prepared by IT Corporation and dated November 28, 1984, a copy of which is attached.

The following paragraphs 4.6 and 4.7 will be completed as part of this Work Plan, but may remain incomplete on April 1, 1985. Interim truck access, prior to the completion of the work in Paragraphs 4.6 and 4.7 below will be via the deeded right-of-way through the SCA property.

- 4.6 The gate between Duralac and 120 Lister Avenue will be relocated to give truck access to 120 Lister Avenue over the western edge of the 120 Lister Avenue and eastern edge of the 80 Lister Avenue properties.
- 4.7 The presently unpaved portion of the Duralac property will be paved with concrete in accordance with attached Drawing No. 846367-E2, prepared by IT and dated November 28, 1984.

## 5.0 SITE SECURITY

All fencing surrounding the 120 Lister Avenue site will be maintained to provide site security. The duties of the guard service will be expanded to prohibit public access to 120 Lister Avenue.

6.0 Remedial work, with respect to other chemicals and the chemicals listed in Appendix B, which remains incomplete subsequent to the preparation of the site shall be completed, subject to approval of the Department, following the removal or containment of the containers or spoils pursuant to Paragraph 5 of ACO II.

## APPENDIX F

The following are specific addenda to the "Work Plan for 80 Lister Avenue" issued to the Department on April 19, 1984. The addenda adapt the Work Plan appropriate sections for off-site work to be conducted in Newark, New Jersey under ACO II. Security and runoff are addressed in the ACO II Work Plan as appropriate.

1. Page 2-5, Section 2.0.2, Community Public Health Preservation

a. (Change dot two to read)

- Dust suppression techniques such as wetting the soil before drilling activities, or remedial activities - soil excavation, will be used to keep dust levels at a minimum.

b. (Change dot four to read)

- Ambient air monitoring will be done during remedial activities.

2. Page 2-5, Section F, Employee Decontamination (add two dots)

- For offsite locations of Brady Iron and Metal, Inc; Hildemann Industries; and Morris Canal a decontamination unit will be positioned at the entrance to the contamination zone for employee entrance and egress.



- For roadways and other offsites, personnel will be transported back and forth to one of the decontamination units for donning and doffing of unsoiled (first layer) protective clothing. Donning and doffing of outer protective clothing will be done at each selective site in a prepared "Decontamination-Zone" set for each site when work is being performed.

3. Page 2-20, Section G, Respiratory Protection (insert a dot)

- Airline will be worn for all soil excavation with the exception of curbs and Conrail which will be cartridge due to the known low levels.

4. Page 2-21, Section H, Protective Clothing

a. (Change dot two to read)

- The protective apparel to be worn during heavier work, core drilling, drum handling, soil excavation, and scrap movement will be:

b. (insert a dot)

- Appropriate protective equipment such as leather apron and gloves and welders goggles will be used by all burners.

5. Page 2-22 (Add after fourth paragraph)

Due to the results of extensive sampling at 80 Lister Avenue only 2,3,7,8, TCDD industrial hygiene monitoring will be done at off-site locations.

## 6. Page 2-25 (Insert items N and O)

## N. Cold Stress

Precautions, as outlined in the American Conference of Governmental Industrial Hygiene Threshold Limit Values, 1984-85, will be taken to prevent and cold stress related illnesses.

## O. Road Work

When working near roadways with continuing traffic, appropriate signs shall be erected to alert traffic of workers, soag flagmen will be utilized as appropriate and all worker will wear "road vests".

Under most conditions the street is to be blocked off and traffic diverted.

# **SITE EVALUATION**

**80 LISTER AVENUE**

**SUBMITTED TO**

**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**PREPARED BY**

**DIAMOND SHAMROCK CHEMICALS COMPANY  
IT CORPORATION  
WOODWARD-CLYDE CONSULTANTS  
ENVIRO-MEASURE, INC.**

**FEBRUARY 1985**

**VOLUME III**

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APPENDIX  
**F**

APPENDIX F



























**TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: WELL #3, I-7-K, 10-30-84

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
108-90-7	Chlorobenzene	50 ug/L
87-65-0	A-dichlorophenol isomer	50 ug/L
----	Unknown	20 ug/L
----	Unknown	20 ug/L
----	Unknown	30 ug/L
----	Unknown	100 ug/L
----	2,4-dichlorophenoxy acetic acid	20 ug/L
----	Unknown	30 ug/L
----	Unknown	50 ug/L
----	Unknown	200 ug/L
----	Unknown	500 ug/L
----	Unknown	100 ug/L
----	Unknown	100 ug/L
	Most of the above unknowns are PCB fragments.	

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: WELL #4, C-7-C, 10-30-84

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	
<u>BASE/NEUTRAL/ACIDS:</u>		
108-10-1	4-methyl-2-pentanone	50 ug/l
108-88-3	Toluene	400 ug/l
108-90-7	Chlorobenzene	1000 ug/l
----	A xylene isomer	60 ug/l
----	A xylene isomer	80 ug/l
----	Unknown	50 ug/l
----	Hydrocarbon	60 ug/l
----	Unknown	80 ug/l
----	A chlorophenol isomer	2000 ug/l
----	Unknown	40 ug/l
----	A methyl naphthalene isomer	100 ug/l
----	Unknown	40 ug/l
----	A dimethylnaphthalene isomer	60 ug/l
----	A dimethylnaphthalene isomer	80 ug/l
----	A dichlorophenol isomer	300 ug/l
103-50-4	1,1'-[oxy bis(methylene)]bis-benzene	70 ug/l
----	Unknown	100 ug/l
10544-50-0	Sulfur	80 ug/l
1928-43-4	2,4-D isomer	500 ug/l
----	Unknown	60 ug/l
1928-43-4	2,4-D isomer	200 ug/l
----	Unknown	200 ug/l
1928-47-8	2,4,5-T	2000 ug/l
----	Unknown	100 ug/l

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: WELL #5, A-2-K, 10-30-84

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
----	Unknown	9 ug/L
565-59-3	2,3-dimethylpentane	6 ug/L
4516-69-2	Trimethylcyclopentane isomer	50 ug/L
----	Trimethylcyclopentane isomer	20 ug/L
----	Unknown	7 ug/L
----	Unknown	7 ug/L
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
507-45-9	2,3-dichloro-2methyl butane	10 ug/L
----	Unknown	10 ug/L
100-41-4	Ethyl benzene	10 ug/L
----	A xylene isomer	70 ug/L
----	A xylene isomer	20 ug/L
----	Unknown	10 ug/L
----	A hydrocarbon	20 ug/L
----	A hydrocarbon	20 ug/L
----	Unknown	10 ug/L
----	Unknown	10 ug/L
----	Unknown	10 ug/L
----	Unknown	40 ug/L
----	A hydrocarbon	10 ug/L
----	A hydrocarbon	10 ug/L
----	A hydrocarbon	10 ug/L
----	Unknown	20 ug/L
----	Unknown	10 ug/L
70-55-3	4-methyl-benzene sulfonamide	30 ug/L
----	Unknown	20 ug/L
----	Unknown	20 ug/L
----	Unknown	100 ug/L
10544050-0	Sulfur	50 ug/L

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: ~~WELL #6, A-3-C, 10-30-84~~

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
110-82-7	Cyclohexane	10 ug/L
1638-26-2	1,1-Dimethylcyclopentane	50 ug/L
----	Dimethylcyclopentane isomer	100 ug/L
108-87-2	Methylcyclohexane	3000 ug/L
1640-89-7	Ethylcyclopentane	50 ug/L
4516-69-2	Trimethylcyclopentane isomer	200 ug/L
15890-40-1	Trimethylcyclopentane isomer	100 ug/L
----	Trimethylcyclopentane isomer	60 ug/L
----	Unknown	7 ug/L
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
108-88-3	Toluene	30 ug/L
507-45-9	2,3-Dichloro-2-methylbutane	10 ug/L
----	Unknown	9 ug/L
108-90-7	Chlorobenzene	10 ug/L
100-41-4	Ethylbenzene	8 ug/L
----	A xylene isomer	20 ug/L
----	Unknown	10 ug/L
----	A hydrocarbon	20 ug/L
----	A hydrocarbon	9 ug/L
----	Unknown	10 ug/L
----	A M-methane isomer	8 ug/L
----	Unknown	20 ug/L
----	Unknown	30 ug/L
57-10-3	Hexadecanoic acid	30 ug/L
----	Unknown	20 ug/L
----	Unknown	700 ug/L
----	Unknown	100 ug/L
----	Unknown	70 ug/L
----	Unknown	20 ug/L
----	A DDD isomer	50 ug/L
----	Unknown	20 ug/L
50-29-3	4,4' DDT	200 ug/L
----	Unknown	70 ug/L

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: WELL #7, D-1-E, 10-30-84

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	
<u>BASE/NEUTRAL/ACIDS:</u>		
----	Hydrocarbon	10 ug/L
----	Unknown	20 ug/L
----	Unknown	10 ug/L
----	Hydrocarbon	20 ug/L
----	Unknown	10 ug/L
----	Hydrocarbon	20 ug/L
----	Unknown	50 ug/L
----	Unknown	50 ug/L
----	Unknown	40 ug/L
57-10-3	Hexadecanoic Acid	40 ug/L
----	Sulfur	50 ug/L
----	A DDD isomer	100 ug/L
----	4-4'-DDD	100 ug/L
----	Unknown	30 ug/L
----	A DDD isomer	40 ug/L
----	Hydrocarbon	100 ug/L
----	Unknown	60 ug/L
----	Unknown	50 ug/L
----	Unknown	60 ug/L
----	Unknown	40 ug/L

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: WELL #8, F-7-B, 10-30-84

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
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VOLATILES:

	NONE FOUND	

BASE/NEUTRAL/ACIDS:

108-90-7	Chlorobenzene	10000 ug/l

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.





WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.68 ppb		0.049 ppb	0.20 ppb	ND (0.008 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-	-	-

Volatile Organic Compounds (Concentration Units are in µg/L)

71-43-2	Benzene	430*	370	3*	1900	27
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	10000	290	70	2500	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	1700	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	410	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	20	230	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND	ND	360	ND

WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	740	ND	ND	47*	ND
75-09-2	Methylene chloride	320*	53	49	12000	34
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	5*	ND	ND
108-88-3	Toluene	1000	650	7*	590	ND
79-01-6	Trichloroethene	ND	ND	ND	230	ND
75-01-4	Vinyl chloride	ND	ND	ND	88*	ND
67-64-1	Acetone	ND	51*	ND	540	ND
78-93-3	2-Butanone	ND	ND	ND	870	ND
75-15-0	Carbon disulfide	ND	ND	2*	65*	ND

WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	3300	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	960	ND	ND	350	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	11000	1700	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	990*	ND	290*	ND
120-33-2	2,4-Dichlorophenol	160*	28000	4700	1500	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND	ND
108-95-2	Phenol	400*	320*	ND	2200	ND
65-85-0	Benzoic acid	ND	ND	ND	250*	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND	66*	ND
95-95-4	2,4,5-Trichlorophenol	8800	7200	2200	56*	ND

WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	ND	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	200*	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	390*	ND	ND	52*	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	590*	ND	ND	110*	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	ND	ND	ND	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND	ND

WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND	ND
91-20-3	Naphthalene	320*	ND	ND	120*	10*
98-95-3	Nitrobenzene	ND	ND	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	55
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	ND	ND	12*
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND	ND	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND	ND	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	ND	ND	ND

WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	ND	ND	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	ND	ND	ND
120-12-7	Anthracene	ND	ND	ND	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND	ND	ND	ND
86-73-7	Fluorene	ND	ND	ND	ND	ND
85-01-	Phenanthrene	ND	ND	ND	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND	ND
129-00-0	Pyrene	ND	ND	ND	ND	11*
62-53-3	Aniline	ND	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	260*	ND	ND	100*	7*
88-74-4	2-Nitroaniline	ND	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g/L}</math>)</u>						
309-00-2	Aldrin	ND	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND	ND

WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	22000	ND	ND	ND	17
72-55-9	4,4'-DDE	ND	ND	ND	ND	17
72-54-8	4,4'-DDD	13000	1100	ND	ND	15
959-98-8	alpha-Endosulfan	ND	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND	ND

WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g/L}</math>)</u>						
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND	ND
94-75-7	2,4-D	ND	27000	4200	14000	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	5600	970	570	ND
94-82-6	2,4-DB	ND	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	0.012	<0.001	0.003	0.009	0.010
	Arsenic	0.118	0.225	0.015	0.072	0.621
	Beryllium	0.005	0.007	<0.002	<0.002	0.003
	Cadmium	0.007	0.004	0.002	0.002	0.007
	Chromium	0.41	0.73	0.06	0.04	0.23
	Copper	0.70	1.3	0.091	0.24	0.90
	Lead	2.2	2.6	0.18	0.87	0.44
	Mercury	0.028	0.035	0.001	0.004	0.160
	Nickel	0.15	0.22	0.08	0.10	0.16
	Selenium	<0.02	<0.02	<0.02	<0.02	<0.005



WELL WATERS: WELLS #1-5, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Metals (Continued)</u>						
	Silver	0.004	0.003	<0.002	<0.002	0.003
	Thallium	<0.02	<0.02	<0.02	<0.02	<0.02
	Zinc	2.8	7.1	0.385	0.247	7.4
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.01	0.02	0.02	0.03	0.03
	Total Phenols	15.3	17.4	16.2	16.5	0.03

D255A-PRS-15.1 to 15.9

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-7-1
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	0.012 ppb	0.016 ppb	0.72 ppb	ND (0.004 ppb)
	2,3,7,8-Tetrachloro- dibenzofuran	-	-	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>					
71-43-2	Benzene	45	65	3900	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	14	8500	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	5*	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	1*
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	33	ND	2*

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

F-29

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-7-1
<u>Volatiles (Continued)</u>					
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	44	ND	ND
75-09-2	Methylene chloride	40	6*	630*	4*
74-87-3	Chloromethane	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	2*	ND	3*
108-88-3	Toluene	ND	86	1100	ND
79-01-6	Trichloroethene	ND	15	ND	2*
75-01-4	Vinyl chloride	ND	28	ND	ND
67-64-1	Acetone	ND	29*	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	4*

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

F-30

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-7-1
<u>Volatiles (Continued)</u>					
519-78-6	2-Hexanone	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND
95-47-6	Total Xylenes	42	240	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)</u>					
88-06-2	2,4,6-Trichlorophenol	ND	ND	5700	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	4600	ND
120-33-2	2,4-Dichlorophenol	ND	ND	48000	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND
108-95-2	Phenol	ND	36	3700*	ND
65-85-0	Benzoic acid	ND	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	39	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	2000*	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-7-1
<u>Base/Neutral/Acids (Continued)</u>					
83-32-9	Acenaphthene	ND	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	11*	ND	ND	11*
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	580*	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND
206-44-0	Fluoranthene	ND	15*	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

F-32

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station O-7-1
<u>Base/Neutral/Acids (Continued)</u>					
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND
91-20-3	Naphthalene	ND	100	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	ND	6*
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	ND	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-7-1
<u>Base/Neutral/Acids (Continued)</u>					
218-01-9	Chrysene	ND	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	ND	ND
120-12-7	Anthracene	ND	ND	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND	ND	ND
86-73-7	Fluorene	ND	10*	ND	ND
85-01-	Phenanthrene	2*	34	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND
129-00-0	Pyrene	3*	19*	ND	ND
62-53-3	Aniline	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	8000	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	74	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g/L}</math>)</u>					
309-00-2	Aldrin	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station O-7-1
<u>Pesticides and PCBs (Continued)</u>					
50-29-3	4,4'-DDT	690	63	ND	3.5**
72-55-9	4,4'-DDE	54	ND	ND	ND
72-54-8	4,4'-DDD	ND	250	110	1.2**
959-98-8	alpha-Endosulfan	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND



WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station O-7-1
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g/L}</math>)</u>					
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND
94-75-7	2,4-D	10	6.9	12000	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	470	ND
94-82-6	2,4-DB	ND	ND	500	ND
88-85-7	Dinoseb (DNBP)	ND	4.2	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>					
	Antimony	0.026	0.013	0.151	<0.001
	Arsenic	0.327	0.074	0.130	0.008
	Beryllium	0.006	<0.002	0.008	<0.002
	Cadmium	0.008	0.029	0.007	<0.001
	Chromium	0.13	0.04	0.02	<0.01
	Copper	1.3	0.77	0.98	0.018
	Lead	1.8	47	2.4	<0.01
	Mercury	0.010	0.004	0.012	<0.001
	Nickel	0.11	0.06	0.30	0.01
	Selenium	<0.02	<0.02	<0.02	<0.003

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/9/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station O-7-1
<u>Metals (Continued)</u>					
	Silver	0.007	<0.002	<0.002	<0.002
	Thallium	<0.02	<0.02	<0.02	<0.02
	Zinc	17	9.2	1.18	0.011
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>					
	Total Cyanide	<0.01	0.03	0.35	0.02
	Total Phenols	0.15	0.24	102	0.03

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D255A-PRS-14.1 to 14.9

WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	0.56 ppb	4.8 ppb	0.03 ppb	0.74 ppb	0.0059 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-	-	-	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-	-	-	-

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g/L}$ )

71-43-2	Benzene	210*	1500	ND	580	12
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	4600	590	4*	840	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	2000	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	1500	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	190*	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	42*	ND	19	240*	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	53*	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	1300	ND

WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	43*	ND
75-09-2	Methylene chloride	41*	40*	4*	7400	5*
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	4*	43*	ND
108-88-3	Toluene	510	1600	ND	890	ND
79-01-6	Trichloroethene	ND	ND	ND	280	ND
75-01-4	Vinyl chloride	ND	ND	ND	220*	ND
67-64-1	Acetone	ND	520*	ND	270*	ND
78-93-3	2-Butanone	ND	180*	ND	430*	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND

WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	1800	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	570	ND	ND	390	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	1100	290	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	98*	11*	200	ND
120-33-2	2,4-Dichlorophenol	ND	2200	1500	370	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND	ND
108-95-2	Phenol	ND	110*	ND	600	43
65-85-0	Benzoic acid	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND	24*	ND
108-39-4	4-Methylphenol	ND	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	26000	2500	1000	38*	ND

WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	30*	ND	ND	ND
92-87-5	Renzidine	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	890*	360	9*	ND	ND
118-74-1	Hexachlorobenzene	770*	860	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	980*	ND	32	81*	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	13*	200	ND
106-46-7	1,4-Dichlorobenzene	1000*	290	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	ND	120*	5*	ND	3*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND	ND

WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND	ND
91-20-3	Naphthalene	480*	ND	ND	ND	12*
98-95-3	Nitrobenzene	ND	ND	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	75*	3*	ND	27
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	ND	ND	8*
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND	ND	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND	ND	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	ND	ND	ND

WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	ND	ND	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	ND	ND	ND
120-12-7	Anthracene	ND	ND	ND	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND	ND	ND	ND
86-73-7	Fluorene	ND	32*	ND	ND	ND
85-01-	Phenanthrene	ND	110*	4*	ND	3*
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND	ND
129-00-0	Pyrene	ND	46*	10*	ND	5*
62-53-3	Aniline	ND	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	900*	59*	3*	110	5*
88-74-4	2-Nitroaniline	ND	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in µg/L)</u>						
309-00-2	Aldrin	ND	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND	ND



WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

F-43

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	2770	ND	ND	ND	14**
72-55-9	4,4'-DDE	ND	ND	ND	ND	7**
72-54-8	4,4'-DDD	1390	ND	ND	ND	7**
959-98-8	alpha-Endosulfan	1240**	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND	ND

WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g/L}</math>)</u>						
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND	ND
94-75-7	2,4-D	ND	20000	74	2600	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	3500	68	83	ND
94-82-6	2,4-DB	ND	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	0.012	0.015	0.001	0.009	0.024
	Arsenic	0.236	0.261	0.028	0.138	0.494
	Beryllium	0.009	0.010	0.002	0.002	0.002
	Cadmium	0.018	0.006	0.002	0.004	0.005
	Chromium	0.91	1.1	0.13	0.08	0.18
	Copper	2.1	2.9	0.206	0.674	0.513
	Lead	4.0	3.6	0.44	2.1	2.5
	Mercury	0.066	0.035	0.002	0.007	0.048
	Nickel	0.36	0.42	0.11	0.25	0.12
	Selenium	<0.004	<0.005	<0.004	0.007	<0.003

WELL WATERS: WELLS #1-5, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #1 Station I-2-L	Well #2 Station I-5-A	Well #3 Station I-7-K	Well #4 Station C-7-C	Well #5 Station A-2-K
<u>Metals (Continued)</u>						
	Silver	0.015	0.007	<0.002	0.004	0.002
	Thallium	<0.02	<0.02	<0.02	<0.02	<0.02
	Zinc	5.6	9.0	0.864	3.4	5.4
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.03	0.04	0.02	0.01	0.03
	Total Phenols	9.9	19.	3.4	12.	0.04

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WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-9-0
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	0.0086 ppb	ND (0.024 ppb)	1.1 ppb	ND (0.007 ppb)
	2,3,7,8-Tetrachloro- dibenzofuran	-	-	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-	-	-
Volatile Organic Compounds (Concentration Units are in µg/L)					
71-43-2	Benzene	10*	56	7900	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND
108-90-7	Chlorobenzene	7*	18	23000	7*
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	30	ND	2*

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

F-47

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-9-0
<u>Volatiles (Continued)</u>					
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	43	ND	ND
75-09-2	Methylene chloride	4*	3*	470*	7*
74-87-3	Chloromethane	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	2*	ND	3*
108-88-3	Toluene	ND	55	3300	ND
79-01-6	Trichloroethene	ND	9*	ND	1*
75-01-4	Vinyl chloride	ND	24	ND	ND
67-64-1	Acetone	ND	21*	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

F-48

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station O-9-0
<u>Volatiles (Continued)</u>					
519-78-6	2-Hexanone	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND
95-47-6	Total Xylenes	13	220	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g/L}</math>)</u>					
88-06-2	2,4,6-Trichlorophenol	ND	ND	3900*	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	3600*	ND
120-33-2	2,4-Dichlorophenol	ND	ND	58000	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND
108-95-2	Phenol	ND	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-9-0
<u>Base/Neutral/Acids (Continued)</u>					
83-32-9	Acenaphthene	ND	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	5*	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	3*	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	6*	ND	1200*	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND
206-44-0	Fluoranthene	9*	18*	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-9-0
<u>Base/Neutral/Acids (Continued)</u>					
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND
91-20-3	Naphthalene	ND	11*	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND	ND	2*
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	8*	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	ND	ND



WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-9-0
<u>Base/Neutral/Acids (Continued)</u>					
218-01-9	Chrysene	ND	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	ND	ND
120-12-7	Anthracene	ND	4*	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND	ND	ND
86-73-7	Fluorene	ND	ND	ND	ND
85-01-	Phenanthrene	6*	13*	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND
129-00-0	Pyrene	17*	11*	ND	ND
62-53-3	Aniline	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	4300*	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	5*	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in µg/L)</u>					
309-00-2	Aldrin	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station O-9-0
<u>Pesticides and PCBs (Continued)</u>					
50-29-3	4,4'-DDT	330	34	ND	ND
72-55-9	4,4'-DDE	14	ND	ND	ND
72-54-8	4,4'-DDD	35	160	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-9-0
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND
7085-19-0	MCPPP	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND
94-75-7	2,4-D	ND	ND	3300	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	160	ND
94-82-6	2,4-DB	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>					
	Antimony	0.013	0.004	0.014	<0.001
	Arsenic	0.312	0.030	0.629	0.002
	Beryllium	0.004	<0.002	0.006	<0.002
	Cadmium	0.009	0.023	0.007	<0.001
	Chromium	0.18	0.09	0.13	0.02
	Copper	1.2	0.288	1.0	0.038
	Lead	1.6	14.	2.4	<0.01
	Mercury	0.007	0.003	0.021	<0.001
	Nickel	0.13	0.06	0.31	<0.01
	Selenium	<0.004	<0.004	<0.004	<0.006

WELL WATERS: WELLS #6-8 AND RIVER WATER, 10/30/84 SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-9-0
<u>Metals (Continued)</u>					
	Silver	0.006	<0.002	<0.002	<0.002
	Thallium	<0.02	<0.02	<0.02	<0.02
	Zinc	17.	3.5	1.4	0.049
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>					
	Total Cyanide	<0.01	0.01	0.63	0.01
	Total Phenols	0.03	0.10	78.	0.05

D255D-WW-6-1 to 9

WELL AND RIVER WATERS  
FIRST AND SECOND SAMPLING ROUNDS  
ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS

STATION	SAMPLE DATE	WELL NUMBER	VOA	B/N/A	PESTICIDE	HERBICIDE
O-7-1	10-09-84	(River)	Low	Low	Low <sup>(1)</sup>	Low
A-2-K	10-09-84	5	Low	Low <sup>(2)</sup>	Low <sup>(3)</sup>	Low
A-3-C	10-09-84	6	Low	Low	Low <sup>(4)</sup>	Low
C-7-C	10-09-84	4	Low <sup>(5)</sup>	Low <sup>(5)</sup>	Low <sup>(6)</sup>	Low <sup>(7)</sup>
D-1-F	10-09-84	7	Low	Low	Low <sup>(8)</sup>	Low
F-7-B	10-09-84	8	Low <sup>(3)</sup>	Low <sup>(9)</sup>	Low <sup>(4)</sup>	Low <sup>(9)</sup>
I-2-L	10-09-84	1	Low <sup>(10)</sup>	Low <sup>(10)</sup>	Low <sup>(11)</sup>	Low <sup>(9)</sup>
I-7-K	10-09-84	3	Low	Low <sup>(7)</sup>	Low <sup>(4)</sup>	Low <sup>(3)</sup>
I-5-A	10-09-84	2	Low <sup>(12)</sup>	Low <sup>(3)</sup>	Low <sup>(13)</sup>	Low <sup>(8)</sup>
O-9-O	10-30-84	(River)	Low	Low	Low <sup>(2)</sup>	Low
A-2-K	10-30-84	5	Low	Low	Low <sup>(5)</sup>	Low
A-3-C	10-30-84	6	Low	Low	Low <sup>(3)</sup>	Low
C-7-C	10-30-84	4	Low <sup>(14)</sup>	Low <sup>(12)</sup>	Low <sup>(8)</sup>	Low <sup>(12)</sup>
D-I-F	10-30-84	7	Low	Low	Low <sup>(3)</sup>	Low <sup>(12)</sup>
F-7-B	10-30-84	8	Low <sup>(9)</sup>	Low <sup>(15)</sup>	Low <sup>(13)</sup>	Low <sup>(3)</sup>
I-2-L	10-30-84	1	Low <sup>(14)</sup>	Low <sup>(3)</sup>	Low <sup>(13)</sup>	Low <sup>(4)</sup>
I-7-K	10-30-84	3	Low <sup>(1)</sup>	Low <sup>(17)</sup>	Low <sup>(8)</sup>	Low <sup>(18)</sup>
I-5-A	10-30-84	2	Low	Low <sup>(16)</sup>	Low <sup>(2)</sup>	Low <sup>(12)</sup>

( 1) Further diluted 1:10

( 2) Further diluted 1:2

( 3) Further diluted 1:100

( 4) Further diluted 1:500

( 5) Further diluted 1:20

( 6) Further diluted 1:2,500

( 7) Further diluted 1:40

( 8) Further diluted 1:1,000

( 9) Further diluted 1:200

(10) Further diluted 1:50

(11) Further diluted 1:50,000

(12) Further diluted 1:5

(13) Further diluted 1:10,000

(14) Further diluted 1:30

(15) Further diluted 1:400

(16) Further diluted 1:4 for quantification of 2,4-dichlorophenol and 2,4,5-trichlorophenol only; all other B/N/A compounds reported from results of original undiluted analysis

(17) Further diluted 1:15

(18) Further diluted 1:2,000

APPENDIX  
**G**

APPENDIX G

**PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: STATION 0-1-0, 0-12"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
----	Unknown	40 ug/kg

<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
556-67-2	Octamethyl Cyclotetrasiloxane	2000.ug/kg
----	Hydrocarbon	2000.ug/kg
----	Hydrocarbon	2000.ug/kg
----	Hydrocarbon	3000.ug/kg
----	Hydrocarbon	2000.ug/kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION 0-3-0, 0-12"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	None Found	

BASE/NEUTRAL/ACIDS:

----	Unknown	2000 ug/kg
----	Hydrocarbon	2000 ug/kg
----	Hydrocarbon	2000 ug/kg
----	Hydrocarbon	2000 ug/kg
----	Hydrocarbon	3000 ug/kg
----	Hydrocarbon	2000 ug/kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION 0-5-0, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	None Found	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
----	Hydrocarbon	2000.ug/Kg
556-67-2	Octamethylcyclotetrasiloxane	40000.ug/Kg
----	Hydrocarbon	3000.ug/Kg
----	Hydrocarbon	3000.ug/Kg
541-02-6	Decamethylcyclopentasiloxane	6000.ug/Kg
----	Hydrocarbon	2000.ug/Kg
----	Hydrocarbon	2000.ug/Kg
----	Unknown	6000.ug/Kg
469-61-4	1H-3A-7-Methanoazulene 2,3,4,7,8,8A- Hexahydro 3,6,8,8-Tetramethyl-[3R- (3-Alpha, 3A-Beta, 7-Beta, 8A-Alpha)]	1000.ug/Kg
----	Hydrocarbon	1000.ug/Kg
----	Hydrocarbon	2000.ug/Kg
----	Hydrocarbon	7000.ug/Kg
----	Unknown	2000.ug/Kg
----	Unknown	1000.ug/Kg
----	Hydrocarbon	1000.ug/Kg
----	Unknown	900.ug/Kg
----	Hydrocarbon	900.ug/Kg
----	Unknown	1000.ug/Kg
----	Unknown	2000.ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION 0-8-0, 0-12"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
1066-40-6	Trimethyl Silanol	30 .ug/Kg
110-54-3	Hexane	30 .ug/Kg
----	Unknown	40 .ug/Kg
----	Unknown	70 .ug/Kg
<u>BASE/NEUTRAL/ACIDS:</u>		
556-67-2	Octamethylcyclotetrasiloxane	4000 .ug/Kg
541-02-6	Decamethylcyclopentasiloxane	2000 .ug/Kg
----	Unknown	1000 .ug/Kg
----	Hydrocarbon	1000 .ug/Kg
----	Hydrocarbon	1000 .ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.





PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION 0-8-1, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	None Found	

BASE/NEUTRAL/ACIDS:

----	Hydrocarbon	2000.ug/Kg
----	Hydrocarbon	1000.ug/Kg
----	Hydrocarbon	5000.ug/Kg
----	Hydrocarbon	2000.ug/Kg
----	Unknown	1000.ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

**PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: STATION 0-8-2, 0-12"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
110-54-3	Hexane	30.ug/Kg
<b>BASE/NEUTRAL/ACIDS:</b>		
----	A Dimethylnaphthalene Isomer	30000.ug/Kg
----	A Methylphenanthrene Isomer	20000.ug/Kg
----	Unknown	30000.ug/Kg
----	Unknown	20000.ug/Kg
----	A Methylphenanthrene Isomer	70000.ug/Kg
----	A Dimethylphenanthrene Isomer	20000.ug/Kg
----	A Dimethylphenanthrene Isomer	20000.ug/Kg
----	Unknown	30000.ug/Kg
----	A Methylpyrene Isomer	20000.ug/Kg
----	A Methylpyrene Isomer	20000.ug/Kg
----	Unknown	20000.ug/Kg
----	A Methylpyrene Isomer	20000.ug/Kg
----	A Methylpyrene Isomer	20000.ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



**PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: STATION Q-8-2, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
110-54-31	Hexane	40.ug/kg

**BASE/NEUTRAL/ACIDS:**

----	A Methylnaphthalene Isomer	2000.ug/Kg
----	A Dimethylnaphthalene Isomer	2000.ug/Kg
----	A Methylphenanthrene Isomer	2000.ug/Kg
----	A Methylphenanthrene Isomer	2000.ug/Kg
----	A Methylphenanthrene Isomer	1000.ug/Kg
----	A Methylphenanthrene Isomer	2000.ug/Kg
----	Unknown	5000.ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION 0-9-0, 0-12"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
----	Unknown	200.ug/Kg
<b>BASE/NEUTRAL/ACIDS:</b>		
556-67-2	Octamethylcyclotetrasiloxane	4000.ug/Kg
541-02-6	Decamethylcyclopentasiloxane	2000.ug/kg
----	Unknown	2000.ug/Kg
----	Hydrocarbon	2000.ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION 1-3-0, 0-12"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
----	UNKNOWN	40.ug/Kg
<b>BASE/NEUTRAL/ACIDS:</b>		
----	Hydrocarbon	2000.ug/Kg
556-67-2	Octamethylcyclotetrasiloxane	20000.ug/Kg
----	Hydrocarbon	3000.ug/Kg
541-02-6	Decamethylcyclopentasiloxane	4000.ug/Kg
----	Hydrocarbon	2000.ug/Kg
----	Hydrocarbon	3000.ug/Kg
----	Unknown	5000.ug/Kg
----	Hydrocarbon	3000.ug/Kg
13567-54-9	Octahydro-7-methanoazulene	2000.ug/Kg
----	Hydrocarbon	3000.ug/Kg
----	Hydrocarbon	5000.ug/Kg
----	Hydrocarbon	8000.ug/Kg
----	Unknown	3000.ug/Kg
----	Unknown	5000.ug/Kg
----	Unknown	3000.ug/Kg
----	Unknown	5000.ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

**PASSAIC RIVER SEDIMENTS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: STATION 1-3-0. 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
----	Unknown	60.ug/Kg
26952-21-6	Iso-Octane	1000.ug/Kg
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
----	A Trichloro-methyl Benzene Isomer	100000.ug/Kg
----	Unknown	20000.ug/Kg
----	Unknown	20000.ug/Kg
----	Unknown	20000.ug/Kg
----	Unknown	100000.ug/Kg
----	Unknown	200000.ug/Kg
----	Unknown	40000.ug/Kg
----	Unknown	40000.ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	3.9 ppb	0.96 ppb	ND (0.23 ppb)	1.1 ppb	0.53 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	ND (0.69 ppb)	-	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	8.5 ppb	-	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>						
71-43-2	Benzene	28*	-	-	ND	-
56-23-5	Carbon tetrachloride	ND	-	-	ND	-
108-90-7	Chlorobenzene	ND	-	-	ND	-
107-06-2	1,2-Dichloroethane	ND	-	-	ND	-
71-55-6	1,1,1-Trichloroethane	ND	-	-	ND	-
75-34-3	1,1-Dichloroethane	ND	-	-	ND	-
79-00-5	1,1,2-Trichloro-ethane	ND	-	-	ND	-
79-34-5	1,1,2,2-Tetrachloro-ethane	ND	-	-	ND	-
75-00-3	Chloroethane	ND	-	-	ND	-
542-88-1	Bis(chloromethyl) ether	ND	-	-	ND	-
110-75-8	2-Chloroethylvinyl ether	ND	-	-	ND	-
67-66-3	Chloroform	ND	-	-	ND	-
75-35-4	1,1-Dichloroethene	ND	-	-	ND	-
156-60-5	trans-1,2-Dichloro-ethene	ND	-	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	-	-	ND	-
10061-02-6	trans-1,3-Dichloro- propene	ND	-	-	ND	-
10061-01-5	cis-1,3-Dichloro- propene	ND	-	-	ND	-
100-41-4	Ethylbenzene	ND	-	-	ND	-
75-09-2	Methylene chloride	170	-	-	73	-
74-87-3	Chloromethane	ND	-	-	ND	-
74-83-9	Bromomethane	ND	-	-	ND	-
75-25-2	Bromoform	ND	-	-	ND	-
75-27-4	Bromodichloromethane	ND	-	-	ND	-
75-69-4	Trichlorofluoro- methane	ND	-	-	ND	-
75-71-8	Dichlorodifluoro- methane	ND	-	-	ND	-
124-48-1	Chlorodibromomethane	ND	-	-	ND	-
127-18-4	Tetrachloroethene	ND	-	-	ND	-
108-88-3	Toluene	ND	-	-	ND	-
79-01-6	Trichloroethene	ND	-	-	ND	-
75-01-4	Vinyl chloride	ND	-	-	ND	-
67-64-1	Acetone	770	-	-	620	-
78-93-3	2-Butanone	160*	-	-	70*	-
75-15-0	Carbon disulfide	16*	-	-	ND	-



PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	-	-	ND	-
108-10-1	4-Methyl-2-pentanone	ND	-	-	ND	-
100-42-5	Styrene	ND	-	-	ND	-
108-05-4	Vinyl acetate	ND	-	-	ND	-
95-47-6	Total Xylenes	140	-	-	ND	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	-	-	ND	-
59-50-7	4-Chloro-3-methyl-phenol	ND	-	-	ND	-
95-57-8	2-Chlorophenol	ND	-	-	ND	-
120-33-2	2,4-Dichlorophenol	ND	-	-	ND	-
105-67-9	2,4-Dimethylphenol	ND	-	-	ND	-
88-75-5	2-Nitrophenol	ND	-	-	ND	-
100-02-7	4-Nitrophenol	ND	-	-	ND	-
51-28-5	2,4-Dinitrophenol	ND	-	-	ND	-
534-52-1	4,6-Dinitro-2-methylphenol	ND	-	-	ND	-
87-86-5	Pentachlorophenol	ND	-	-	ND	-
108-95-2	Phenol	ND	-	-	ND	-
65-85-0	Benzoic acid	ND	-	-	ND	-
95-48-7	2-Methylphenol	ND	-	-	ND	-
108-39-4	4-Methylphenol	ND	-	-	ND	-
95-95-4	2,4,5-Trichlorophenol	ND	-	-	ND	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	-	-	ND	-
92-87-5	Benzidine	ND	-	-	ND	-
120-82-1	1,2,4-Trichlorobenzene	ND	-	-	ND	-
118-74-1	Hexachlorobenzene	ND	-	-	ND	-
67-72-1	Hexachloroethane	ND	-	-	ND	-
111-44-4	Bis(2-chloroethyl) ether	ND	-	-	ND	-
91-58-7	2-Chloronaphthalene	ND	-	-	ND	-
95-50-1	1,2-Dichlorobenzene	ND	-	-	ND	-
541-73-1	1,3-Dichlorobenzene	ND	-	-	ND	-
106-46-7	1,4-Dichlorobenzene	ND	-	-	ND	-
91-94-1	3,3'-Dichlorobenzidine	ND	-	-	ND	-
121-14-2	2,4-Dinitrotoluene	ND	-	-	ND	-
606-20-2	2,6-Dinitrotoluene	ND	-	-	ND	-
122-66-7	1,2-Diphenylhydrazine	ND	-	-	ND	-
206-44-0	Fluoranthene	450*	-	-	1000*	-
7005-72-3	4-Chlorophenyl phenyl ether	ND	-	-	ND	-
101-55-3	4-Bromophenyl phenyl ether	ND	-	-	ND	-
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	-	-	ND	-
111-91-1	Bis(2-chloroethoxy) methane	ND	-	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	-	-	ND	-
77-47-4	Hexachlorocyclo- pentadiene	ND	-	-	ND	-
78-59-1	Isophorone	ND	-	-	ND	-
91-20-3	Naphthalene	ND	-	-	ND	-
98-95-3	Nitrobenzene	ND	-	-	ND	-
62-75-9	N-nitrosodimethyl- amine	ND	-	-	ND	-
86-30-6	N-nitrosodiphenylamine	ND	-	-	ND	-
621-64-7	N-nitrosodipropyla- mine	ND	-	-	ND	-
117-81-7	Bis(2-ethylhexyl) phthalate	12000	-	-	22000	-
85-68-7	Butyl benzyl phthalate	ND	-	-	ND	-
84-74-2	Di-N-butyl phthalate	ND	-	-	ND	-
117-84-0	Di-N-octyl phthalate	ND	-	-	ND	-
84-66-2	Diethyl phthalate	ND	-	-	ND	-
131-11-3	Dimethyl phthalate	ND	-	-	ND	-
56-55-3	Benzo(A)anthracene	ND	-	-	ND	-
50-32-8	Benzo(A)pyrene	ND	-	-	ND	-
205-99-2	Benzo(B)fluor- anthene	ND	-	-	ND	-
207-08-9	Benzo(K)fluoranthene	ND	-	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	ND	-	-	ND	-
208-96-8	Acenaphthylene	ND	-	-	ND	-
120-12-7	Anthracene	ND	-	-	ND	-
191-24-2	Benzo(GHI)perylene	ND	-	-	ND	-
86-73-7	Fluorene	ND	-	-	ND	-
85-01-	Phenanthrene	ND	-	-	520*	-
53-70-3	Dibenzo(A,H) anthracene	ND	-	-	ND	-
193-39-5	Indeno(1,2,3-CD)pyrene	ND	-	-	ND	-
129-00-0	Pyrene	ND	-	-	1100*	-
62-53-3	Aniline	ND	-	-	ND	-
100-51-6	Benzyl alcohol	ND	-	-	ND	-
106-47-8	4-Chloroaniline	ND	-	-	ND	-
132-64-9	Dibenzofuran	ND	-	-	ND	-
91-57-6	2-Methylnaphthalene	ND	-	-	ND	-
88-74-4	2-Nitroaniline	ND	-	-	ND	-
99-09-2	3-Nitroaniline	ND	-	-	ND	-
100-01-6	4-Nitroaniline	ND	-	-	ND	-
<u>Pesticides and PCBs (Concentration Units are in µg/kg)</u>						
309-00-2	Aldrin	ND	-	-	ND	-
60-57-1	Dieldrin	ND	-	-	ND	-
57-74-9	Chlordane	ND	-	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-22

CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	ND	-	-	ND	-
72-55-9	4,4'-DDE	ND	-	-	ND	-
72-54-8	4,4'-DDD	ND	-	-	ND	-
959-98-8	alpha-Endosulfan	ND	-	-	ND	-
33213-65-9	beta-Endosulfan	ND	-	-	ND	-
1031-07-8	Endosulfan sulfate	ND	-	-	ND	-
72-20-8	Endrin	ND	-	-	ND	-
7421-93-4	Endrin aldehyde	ND	-	-	ND	-
76-44-8	Heptachlor	ND	-	-	ND	-
1024-57-3	Heptachlor epoxide	ND	-	-	ND	-
319-84-6	alpha-BHC	ND	-	-	ND	-
319-85-7	beta-BHC	ND	-	-	ND	-
58-89-9	gamma-BHC	ND	-	-	ND	-
319-86-8	delta-BHC	ND	-	-	ND	-
53469-21-9	PCB-1242	720**	-	-	290**	-
11097-69-1	PCB-1254	300**	-	-	200**	-
11104-28-2	PCB-1221	ND	-	-	ND	-
11141-16-5	PCB-1232	ND	-	-	ND	-
12672-29-6	PCB-1248	ND	-	-	ND	-
11096-82-5	PCB-1260	ND	-	-	ND	-
12674-11-2	PCB-1016	ND	-	-	ND	-
8001-35-2	Toxaphene	ND	-	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-23

CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	180	-	-	ND	-
1918-00-9	Dicamba	ND	-	-	ND	-
7085-19-0	MCPPP	ND <sup>a</sup>	-	-	ND <sup>a</sup>	-
94-74-6	MCPA	ND <sup>a</sup>	-	-	ND <sup>a</sup>	-
120-36-5	Dichloroprop (2,4-DP)	ND	-	-	470	-
94-75-7	2,4-D	720	-	-	520	-
93-72-1	2,4,5-TP (Silvex)	ND	-	-	ND	-
93-76-5	2,4,5-T	ND	-	-	ND	-
94-82-6	2,4-DB	ND	-	-	ND	-
88-85-7	Dinoseb (DNBP)	ND	-	-	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	1.2	-	-	0.5	-
	Arsenic	73.	-	-	51	-
	Beryllium	0.94	-	-	1.1	-
	Cadmium	21	-	-	13	-
	Chromium	970	-	-	370	-
	Copper	660	-	-	370	-
	Lead	640	-	-	670	-
	Mercury	6.3	-	-	18	-
	Nickel	116	-	-	62	-
	Selenium	<2	-	-	<2	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-1-0 0-12"	Station 0-2-0 0-12"	Station 0-2-0 12-24"	Station 0-3-0 0-12"	Station 0-4-0 0-12"
<u>Metals (Continued)</u>						
	Silver	11	-	-	7.6	-
	Thallium	<0.02	-	-	<0.02	-
	Zinc	2000	-	-	1100	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	1.65	-	-	<0.5	-
	Total Phenols	0.30	-	-	0.90	-

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide; estimated concentration range 10,000 to 100,000 ppb. (MCPP and MCPA are not detected.)

D255: 0-1-0.1 to 9

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-4-0 12-24"	Station 0-5-0 0-12"	Station 0-5-0 12-24"	Station 0-6-0 0-12"	Station 0-6-0 12-24"
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	1.8 ppb	ND (0.54 ppb)	ND (0.20 ppb)	ND (0.72 ppb)	3.2 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-	-	-	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-	-	-	-

Volatile Organic Compounds (Concentration Units are in µg/kg)

71-43-2	Benzene	-	ND	ND	-	-
56-23-5	Carbon tetrachloride	-	ND	ND	-	-
108-90-7	Chlorobenzene	-	ND	ND	-	-
107-06-2	1,2-Dichloroethane	-	ND	ND	-	-
71-55-6	1,1,1-Trichloroethane	-	ND	ND	-	-
75-34-3	1,1-Dichloroethane	-	ND	ND	-	-
79-00-5	1,1,2-Trichloro- ethane	-	ND	ND	-	-
79-34-5	1,1,2,2-Tetrachloro- ethane	-	ND	ND	-	-
75-00-3	Chloroethane	-	ND	ND	-	-
542-88-1	Bis(chloromethyl) ether	-	ND	ND	-	-
110-75-8	2-Chloroethylvinyl ether	-	ND	ND	-	-
67-66-3	Chloroform	-	ND	ND	-	-
75-35-4	1,1-Dichloroethene	-	ND	ND	-	-
156-60-5	trans-1,2-Dichloro- ethene	-	ND	ND	-	-



PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-4-0 12-24"	Station 0-5-0 0-12"	Station 0-5-0 12-24"	Station 0-6-0 0-12"	Station 0-6-0 12-24"
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	-	ND	ND	-	-
10061-02-6	trans-1,3-Dichloro- propene	-	ND	ND	-	-
10061-01-5	cis-1,3-Dichloro- propene	-	ND	ND	-	-
100-41-4	Ethylbenzene	-	ND	ND	-	-
75-09-2	Methylene chloride	-	110	65	-	-
74-87-3	Chloromethane	-	ND	ND	-	-
74-83-9	Bromomethane	-	ND	ND	-	-
75-25-2	Bromoform	-	ND	ND	-	-
75-27-4	Bromodichloromethane	-	ND	ND	-	-
75-69-4	Trichlorofluoro- methane	-	ND	ND	-	-
75-71-8	Dichlorodifluoro- methane	-	ND	ND	-	-
124-48-1	Chlorodibromomethane	-	ND	ND	-	-
127-18-4	Tetrachloroethene	-	ND	ND	-	-
108-88-3	Toluene	-	ND	ND	-	-
79-01-6	Trichloroethene	-	ND	ND	-	-
75-01-4	Vinyl chloride	-	ND	ND	-	-
67-64-1	Acetone	-	360*	780	-	-
78-93-3	2-Butanone	-	ND	69*	-	-
75-15-0	Carbon disulfide	-	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 0-4-0 12-24"	Station 0-5-0 0-12"	Station 0-5-0 12-24"	Station 0-6-0 0-12"	Station 0-6-0 12-24"
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	-	ND	ND	-	-
108-10-1	4-Methyl-2-pentanone	-	ND	ND	-	-
100-42-5	Styrene	-	ND	ND	-	-
108-05-4	Vinyl acetate	-	ND	ND	-	-
95-47-6	Total Xylenes	-	ND	ND	-	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>						
88-06-2	2,4,6-Trichlorophenol	-	ND	ND	-	-
59-50-7	4-Chloro-3-methyl-phenol	-	ND	ND	-	-
95-57-8	2-Chlorophenol	-	ND	ND	-	-
120-33-2	2,4-Dichlorophenol	-	ND	ND	-	-
105-67-9	2,4-Dimethylphenol	-	ND	ND	-	-
88-75-5	2-Nitrophenol	-	ND	ND	-	-
100-02-7	4-Nitrophenol	-	ND	ND	-	-
51-28-5	2,4-Dinitrophenol	-	ND	ND	-	-
534-52-1	4,6-Dinitro-2-methylphenol	-	ND	ND	-	-
87-86-5	Pentachlorophenol	-	ND	ND	-	-
108-95-2	Phenol	-	ND	ND	-	-
65-85-0	Benzoic acid	-	ND	ND	-	-
95-48-7	2-Methylphenol	-	ND	ND	-	-
108-39-4	4-Methylphenol	-	ND	ND	-	-
95-95-4	2,4,5-Trichlorophenol	-	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-4-0 12-24"	Station 0-5-0 0-12"	Station 0-5-0 12-24"	Station 0-6-0 0-12"	Station 0-6-0 12-24"
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	-	ND	ND	-	-
92-87-5	Benzidine	-	ND	ND	-	-
120-82-1	1,2,4-Trichlorobenzene	-	ND	ND	-	-
118-74-1	Hexachlorobenzene	-	ND	ND	-	-
67-72-1	Hexachloroethane	-	ND	ND	-	-
111-44-4	Bis(2-chloroethyl) ether	-	ND	ND	-	-
91-58-7	2-Chloronaphthalene	-	ND	ND	-	-
95-50-1	1,2-Dichlorobenzene	-	ND	ND	-	-
541-73-1	1,3-Dichlorobenzene	-	ND	ND	-	-
106-46-7	1,4-Dichlorobenzene	-	ND	ND	-	-
91-94-1	3,3'-Dichlorobenzidine	-	ND	ND	-	-
121-14-2	2,4-Dinitrotoluene	-	ND	ND	-	-
606-20-2	2,6-Dinitrotoluene	-	ND	ND	-	-
122-66-7	1,2-Diphenylhydrazine	-	ND	ND	-	-
206-44-0	Fluoranthene	-	300*	610*	-	-
7005-72-3	4-Chlorophenyl phenyl ether	-	ND	ND	-	-
101-55-3	4-Bromophenyl phenyl ether	-	ND	ND	-	-
39638-32-9	Bis(2-chloroiso- propyl)ether	-	ND	ND	-	-
111-91-1	Bis(2-chloroethoxy) methane	-	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-4-0 12-24"	Station 0-5-0 0-12"	Station 0-5-0 12-24"	Station 0-6-0 0-12"	Station 0-6-0 12-24"
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	-	ND	ND	-	-
77-47-4	Hexachlorocyclo- pentadiene	-	ND	ND	-	-
78-59-1	Isophorone	-	ND	ND	-	-
91-20-3	Naphthalene	-	ND	ND	-	-
98-95-3	Nitrobenzene	-	ND	ND	-	-
62-75-9	N-nitrosodimethyl- amine	-	ND	ND	-	-
86-30-6	N-nitrosodiphenylamine	-	ND	ND	-	-
621-64-7	N-nitrosodipropyla- mine	-	ND	ND	-	-
117-81-7	Bis(2-ethylhexyl) phthalate	-	15000	34000	-	-
85-68-7	Butyl benzyl phthalate	-	ND	ND	-	-
84-74-2	Di-N-butyl phthalate	-	ND	ND	-	-
117-84-0	Di-N-octyl phthalate	-	230*	590*	-	-
84-66-2	Diethyl phthalate	-	ND	ND	-	-
131-11-3	Dimethyl phthalate	-	ND	ND	-	-
56-55-3	Benzo(A)anthracene	-	ND	ND	-	-
50-32-8	Benzo(A)pyrene	-	ND	ND	-	-
205-99-2	Benzo(B)fluor- anthene	-	ND	ND	-	-
207-08-9	Benzo(K)fluoranthene	-	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station	Station	Station	Station	Station
		0-4-0 12-24"	0-5-0 0-12"	0-5-0 12-24"	0-6-0 0-12"	0-6-0 12-24"
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	-	ND	ND	-	-
208-96-8	Acenaphthylene	-	ND	ND	-	-
120-12-7	Anthracene	-	ND	ND	-	-
191-24-2	Benzo(GHI)perylene	-	ND	ND	-	-
86-73-7	Fluorene	-	ND	ND	-	-
85-01-	Phenanthrene	-	ND	ND	-	-
53-70-3	Dibenzo(A,H) anthracene	-	ND	ND	-	-
193-39-5	Indeno(1,2,3-CD)pyrene	-	ND	ND	-	-
129-00-0	Pyrene	-	260*	670*	-	-
62-53-3	Aniline	-	ND	ND	-	-
100-51-6	Benzyl alcohol	-	ND	ND	-	-
106-47-8	4-Chloroaniline	-	ND	ND	-	-
132-64-9	Dibenzofuran	-	ND	ND	-	-
91-57-6	2-Methylnaphthalene	-	ND	ND	-	-
88-74-4	2-Nitroaniline	-	ND	ND	-	-
99-09-2	3-Nitroaniline	-	ND	ND	-	-
100-01-6	4-Nitroaniline	-	ND	ND	-	-
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
309-00-2	Aldrin	-	ND	ND	-	-
60-57-1	Dieldrin	-	ND	ND	-	-
57-74-9	Chlordane	-	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station	Station	Station	Station	Station
		0-4-0 12-24"	0-5-0 0-12"	0-5-0 12-24"	0-6-0 0-12"	0-6-0 12-24"
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	-	ND	ND	-	-
72-55-9	4,4'-DDE	-	ND	35**	-	-
72-54-8	4,4'-DDD	-	ND	ND	-	-
959-98-8	alpha-Endosulfan	-	ND	ND	-	-
33213-65-9	beta-Endosulfan	-	ND	ND	-	-
1031-07-8	Endosulfan sulfate	-	ND	ND	-	-
72-20-8	Endrin	-	ND	ND	-	-
7421-93-4	Endrin aldehyde	-	ND	ND	-	-
76-44-8	Heptachlor	-	ND	ND	-	-
1024-57-3	Heptachlor epoxide	-	ND	ND	-	-
319-84-6	alpha-BHC	-	ND	ND	-	-
319-85-7	beta-BHC	-	ND	ND	-	-
58-89-9	gamma-BHC	-	ND	ND	-	-
319-86-8	delta-BHC	-	ND	ND	-	-
53469-21-9	PCB-1242	-	ND	350**	-	-
11097-69-1	PCB-1254	-	ND	200**	-	-
11104-28-2	PCB-1221	-	ND	ND	-	-
11141-16-5	PCB-1232	-	ND	ND	-	-
12672-29-6	PCB-1248	-	ND	ND	-	-
11096-82-5	PCB-1260	-	ND	ND	-	-
12674-11-2	PCB-1016	-	ND	ND	-	-
8001-35-2	Toxaphene	-	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-4-0- 12-24"	Station 0-5-0 0-12"	Station 0-5-0 12-24"	Station 0-6-0 0-12"	Station 0-6-0 12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	-	120	ND	-	-
1918-00-9	Dicamba	-	ND	ND	-	-
7085-19-0	MCPPP	-	ND <sup>a</sup>	ND <sup>a</sup>	-	-
94-74-6	MCPA	-	ND <sup>a</sup>	ND <sup>a</sup>	-	-
120-36-5	Dichloroprop (2,4-DP)	-	ND	ND	-	-
94-75-7	2,4-D	-	ND	ND	-	-
93-72-1	2,4,5-TP (Silvex)	-	ND	ND	-	-
93-76-5	2,4,5-T	-	81	76	-	-
94-82-6	2,4-DB	-	ND	ND	-	-
88-85-7	Dinoseb (DNBP)	-	180	ND	-	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	-	0.7	0.6	-	-
	Arsenic	-	28	16	-	-
	Beryllium	-	0.59	0.66	-	-
	Cadmium	-	10	11	-	-
	Chromium	-	410	440	-	-
	Copper	-	390	390	-	-
	Lead	-	480	460	-	-
	Mercury	-	12	7.8	-	-
	Nickel	-	96	114	-	-
	Selenium	-	<2	<2	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-4-0- 12-24"	Station 0-5-0 0-12"	Station 0-5-0 12-24"	Station 0-6-0 0-12"	Station 0-6-0 12-24"
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Metals (Continued)

Silver	-	7.4	6.5	-	-
Thallium	-	<0.02	<0.02	-	-
Zinc	-	1100	1300	-	-

Classical Parameters (Concentration Units are in Parts per Million - ppm)

Total Cyanide	-	0.70	1.02	-	-
Total Phenols	-	0.30	0.50	-	-

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide - estimated concentration range 10,000 to 100,000 ppb. (MCPD and MCPA are not detected.)

D255-0-4-0.1 to 9



PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station	Station	Station	Station	Station
		0-6-1 0-12"	0-6-1 12-24"	0-6-2 0-12"	0-6-2 12-24"	0-7-0 0-12"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	ND (0.69 ppb)	0.63 ppb	1.2 ppb	ND (0.16 ppb)	1.8
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>						
71-43-2	Benzene	-	-	-	-	-
56-23-5	Carbon tetrachloride	-	-	-	-	-
108-90-7	Chlorobenzene	-	-	-	-	-
107-06-2	1,2-Dichloroethane	-	-	-	-	-
71-55-6	1,1,1-Trichloroethane	-	-	-	-	-
75-34-3	1,1-Dichloroethane	-	-	-	-	-
79-00-5	1,1,2-Trichloro-ethane	-	-	-	-	-
79-34-5	1,1,2,2-Tetrachloro-ethane	-	-	-	-	-
75-00-3	Chloroethane	-	-	-	-	-
542-88-1	Bis(chloromethyl) ether	-	-	-	-	-
110-75-8	2-Chloroethylvinyl ether	-	-	-	-	-
67-66-3	Chloroform	-	-	-	-	-
75-35-4	1,1-Dichloroethene	-	-	-	-	-
156-60-5	trans-1,2-Dichloro-ethene	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-6-1 0-12"	Station 0-6-1 12-24"	Station 0-6-2 0-12"	Station 0-6-2 12-24"	Station 0-7-0 0-12"
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	-	-	-	-	-
10061-02-6	trans-1,3-Dichloro- propene	-	-	-	-	-
10061-01-5	cis-1,3-Dichloro- propene	-	-	-	-	-
100-41-4	Ethylbenzene	-	-	-	-	-
75-09-2	Methylene chloride	-	-	-	-	-
74-87-3	Chloromethane	-	-	-	-	-
74-83-9	Bromomethane	-	-	-	-	-
75-25-2	Bromoform	-	-	-	-	-
75-27-4	Bromodichloromethane	-	-	-	-	-
75-69-4	Trichlorofluoro- methane	-	-	-	-	-
75-71-8	Dichlorodifluoro- methane	-	-	-	-	-
124-48-1	Chlorodibromomethane	-	-	-	-	-
127-18-4	Tetrachloroethene	-	-	-	-	-
108-88-3	Toluene	-	-	-	-	-
79-01-6	Trichloroethene	-	-	-	-	-
75-01-4	Vinyl chloride	-	-	-	-	-
67-64-1	Acetone	-	-	-	-	-
78-93-3	2-Butanone	-	-	-	-	-
75-15-0	Carbon disulfide	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 0-6-1 0-12"	Station 0-6-1 12-24"	Station 0-6-2 0-12"	Station 0-6-2 12-24"	Station 0-7-0 0-12"
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	-	-	-	-	-
108-10-1	4-Methyl-2-pentanone	-	-	-	-	-
100-42-5	Styrene	-	-	-	-	-
108-05-4	Vinyl acetate	-	-	-	-	-
95-47-6	Total Xylenes	-	-	-	-	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>						
88-06-2	2,4,6-Trichlorophenol	-	-	-	-	-
59-50-7	4-Chloro-3-methyl-phenol	-	-	-	-	-
95-57-8	2-Chlorophenol	-	-	-	-	-
120-33-2	2,4-Dichlorophenol	-	-	-	-	-
105-67-9	2,4-Dimethylphenol	-	-	-	-	-
88-75-5	2-Nitrophenol	-	-	-	-	-
100-02-7	4-Nitrophenol	-	-	-	-	-
51-28-5	2,4-Dinitrophenol	-	-	-	-	-
534-52-1	4,6-Dinitro-2-methylphenol	-	-	-	-	-
87-86-5	Pentachlorophenol	-	-	-	-	-
108-95-2	Phenol	-	-	-	-	-
65-85-0	Benzoic acid	-	-	-	-	-
95-48-7	2-Methylphenol	-	-	-	-	-
108-39-4	4-Methylphenol	-	-	-	-	-
95-95-4	2,4,5-Trichlorophenol	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-37

CAS Number	Compound Name	Station	Station	Station	Station	Station
		0-6-1 0-12"	0-6-1 12-24"	0-6-2 0-12"	0-6-2 12-24"	0-7-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	-	-	-	-	-
92-87-5	Benzidine	-	-	-	-	-
120-82-1	1,2,4-Trichlorobenzene	-	-	-	-	-
118-74-1	Hexachlorobenzene	-	-	-	-	-
67-72-1	Hexachloroethane	-	-	-	-	-
111-44-4	Bis(2-chloroethyl) ether	-	-	-	-	-
91-58-7	2-Chloronaphthalene	-	-	-	-	-
95-50-1	1,2-Dichlorobenzene	-	-	-	-	-
541-73-1	1,3-Dichlorobenzene	-	-	-	-	-
106-46-7	1,4-Dichlorobenzene	-	-	-	-	-
91-94-1	3,3'-Dichlorobenzidine	-	-	-	-	-
121-14-2	2,4-Dinitrotoluene	-	-	-	-	-
606-20-2	2,6-Dinitrotoluene	-	-	-	-	-
122-66-7	1,2-Diphenylhydrazine	-	-	-	-	-
206-44-0	Fluoranthene	-	-	-	-	-
7005-72-3	4-Chlorophenyl phenyl ether	-	-	-	-	-
101-55-3	4-Bromophenyl phenyl ether	-	-	-	-	-
39638-32-9	Bis(2-chloroiso- propyl)ether	-	-	-	-	-
111-91-1	Bis(2-chloroethoxy) methane	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station	Station	Station	Station	Station
		0-6-1 0-12"	0-6-1 12-24"	0-6-2 0-12"	0-6-2 12-24"	0-7-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	-	-	-	-	-
77-47-4	Hexachlorocyclo- pentadiene	-	-	-	-	-
78-59-1	Isophorone	-	-	-	-	-
91-20-3	Naphthalene	-	-	-	-	-
98-95-3	Nitrobenzene	-	-	-	-	-
62-75-9	N-nitrosodimethyl- amine	-	-	-	-	-
86-30-6	N-nitrosodiphenylamine	-	-	-	-	-
621-64-7	N-nitrosodipropyla- mine	-	-	-	-	-
117-81-7	Bis(2-ethylhexyl) phthalate	-	-	-	-	-
85-68-7	Butyl benzyl phthalate	-	-	-	-	-
84-74-2	Di-N-butyl phthalate	-	-	-	-	-
117-84-0	Di-N-octyl phthalate	-	-	-	-	-
84-66-2	Diethyl phthalate	-	-	-	-	-
131-11-3	Dimethyl phthalate	-	-	-	-	-
56-55-3	Benzo(A)anthracene	-	-	-	-	-
50-32-8	Benzo(A)pyrene	-	-	-	-	-
205-99-2	Benzo(B)fluor- anthene	-	-	-	-	-
207-08-9	Benzo(K)fluoranthene	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-6-1 0-12"	Station 0-6-1 12-24"	Station 0-6-2 0-12"	Station 0-6-2 12-24"	Station 0-7-0 0-12"
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Base/Neutral/Acids (Continued)

218-01-9	Chrysene	-	-	-	-	-
208-96-8	Acenaphthylene	-	-	-	-	-
120-12-7	Anthracene	-	-	-	-	-
191-24-2	Benzo(GHI)perylene	-	-	-	-	-
86-73-7	Fluorene	-	-	-	-	-
85-01-	Phenanthrene	-	-	-	-	-
53-70-3	Dibenzo(A,H) anthracene	-	-	-	-	-
193-39-5	Indeno(1,2,3-CD)pyrene	-	-	-	-	-
129-00-0	Pyrene	-	-	-	-	-
62-53-3	Aniline	-	-	-	-	-
100-51-6	Benzyl alcohol	-	-	-	-	-
106-47-8	4-Chloroaniline	-	-	-	-	-
132-64-9	Dibenzofuran	-	-	-	-	-
91-57-6	2-Methylnaphthalene	-	-	-	-	-
88-74-4	2-Nitroaniline	-	-	-	-	-
99-09-2	3-Nitroaniline	-	-	-	-	-
100-01-6	4-Nitroaniline	-	-	-	-	-

Pesticides and PCBs (Concentration Units are in µg/kg)

309-00-2	Aldrin	-	-	-	-	-
60-57-1	Dieldrin	-	-	-	-	-
57-74-9	Chlordane	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 0-6-1 0-12"	Station 0-6-1 12-24"	Station 0-6-2 0-12"	Station 0-6-2 12-24"	Station 0-7-0 0-12"
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	-	-	-	-	-
72-55-9	4,4'-DDE	-	-	-	-	-
72-54-8	4,4'-DDD	-	-	-	-	-
959-98-8	alpha-Endosulfan	-	-	-	-	-
33213-65-9	beta-Endosulfan	-	-	-	-	-
1031-07-8	Endosulfan sulfate	-	-	-	-	-
72-20-8	Endrin	-	-	-	-	-
7421-93-4	Endrin aldehyde	-	-	-	-	-
76-44-8	Heptachlor	-	-	-	-	-
1024-57-3	Heptachlor epoxide	-	-	-	-	-
319-84-6	alpha-BHC	-	-	-	-	-
319-85-7	beta-BHC	-	-	-	-	-
58-89-9	gamma-BHC	-	-	-	-	-
319-86-8	delta-BHC	-	-	-	-	-
53469-21-9	PCB-1242	-	-	-	-	-
11097-69-1	PCB-1254	-	-	-	-	-
11104-28-2	PCB-1221	-	-	-	-	-
11141-16-5	PCB-1232	-	-	-	-	-
12672-29-6	PCB-1248	-	-	-	-	-
11096-82-5	PCB-1260	-	-	-	-	-
12674-11-2	PCB-1016	-	-	-	-	-
8001-35-2	Toxaphene	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station	Station	Station	Station	Station
		0-6-1 0-12"	0-6-1 12-24"	0-6-2 0-12"	0-6-2 12-24"	0-7-0 0-12"

Chlorinated Herbicides (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

75-99-0	Dalapon (Dowpon)	-	-	-	-	-
1918-00-9	Dicamba	-	-	-	-	-
7085-19-0	MCPPP	-	-	-	-	-
94-74-6	MCPA	-	-	-	-	-
120-36-5	Dichloroprop (2,4-DP)	-	-	-	-	-
94-75-7	2,4-D	-	-	-	-	-
93-72-1	2,4,5-TP (Silvex)	-	-	-	-	-
93-76-5	2,4,5-T	-	-	-	-	-
94-82-6	2,4-DB	-	-	-	-	-
88-85-7	Dinoseb (DNBP)	-	-	-	-	-

Metals (Concentration Units are in Parts per Million - ppm)

Antimony	-	-	-	-	-
Arsenic	-	-	-	-	-
Beryllium	-	-	-	-	-
Cadmium	-	-	-	-	-
Chromium	-	-	-	-	-
Copper	-	-	-	-	-
Lead	-	-	-	-	-
Mercury	-	-	-	-	-
Nickel	-	-	-	-	-
Selenium	-	-	-	-	-



PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-6-1 0-12"	Station 0-6-1 12-24"	Station 0-6-2 0-12"	Station 0-6-2 12-24"	Station 0-7-0 0-12"
<u>Metals (Continued)</u>						
	Silver	-	-	-	-	-
	Thallium	-	-	-	-	-
	Zinc	-	-	-	-	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	-	-	-	-	-
	Total Phenols	-	-	-	-	-
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D255-0-6-0.1 to 9						

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station	Station	Station	Station	Station
		0-8-0 0-12"	0-8-0 12-24"	0-8-1 0-12"	0-8-1 12-24"	0-8-2 0-12"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.6 ppb	10.4 ppb	ND (0.32 ppb)	1.3 ppb	ND (0.22 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	ND (0.23 ppb)	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	8.6 ppb	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>						
71-43-2	Benzene	ND	ND	ND	ND	7.*
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	53.	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro-ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro-ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro-ethene	ND	ND	ND	ND	ND

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-0 0-12"	Station 0-8-0 12-24"	Station 0-8-1 0-12"	Station 0-8-1 12-24"	Station 0-8-2 0-12"
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	450	100	490	110	640
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	32*
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	190*	1300	820	1600
78-93-3	2-Butanone	ND	ND	ND	80*	150*
75-15-0	Carbon disulfide	ND	ND	9*	ND	31*

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-0 0-12"	Station 0-8-0 12-24"	Station 0-8-1 0-12"	Station 0-8-1 12-24"	Station 0-8-2 0-12"
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND	ND
108-95-2	Phenol	ND	ND	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND	ND	ND

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-0 0-12"	Station 0-8-0 12-24"	Station 0-8-1 0-12"	Station 0-8-1 12-24"	Station 0-8-2 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	ND	ND	ND	24000*
92-87-5	Benzidine	ND	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	ND	ND	ND	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	ND	610*	1500*	1100*	78000
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND	ND

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-0 0-12"	Station 0-8-0 12-24"	Station 0-8-1 0-12"	Station 0-8-1 12-24"	Station 0-8-2 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND	ND
91-20-3	Naphthalene	ND	ND	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	21000	21000	28000	11000	ND
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	ND	ND	ND
117-84-0	Di-N-octyl phthalate	ND	860*	640*	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND	810*	590*	42000*
50-32-8	Benzo(A)pyrene	ND	ND	ND	ND	30000*
205-99-2	Benzo(B)fluor- anthene	ND	ND	ND	ND	29000
207-08-9	Benzo(K)fluoranthene	ND	ND	ND	ND	ND

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-0 0-12"	Station 0-8-0 12-24"	Station 0-8-1 0-12"	Station 0-8-1 12-24"	Station 0-8-2 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	ND	ND	ND	1200*	95000
208-96-8	Acenaphthylene	ND	ND	440*	360*	8300*
120-12-7	Anthracene	ND	ND	ND	330*	58000
191-24-2	Benzo(GHI)perylene	ND	ND	ND	ND	ND
86-73-7	Fluorene	ND	ND	ND	ND	18000*
85-01-	Phenanthrene	ND	430*	960*	670*	110000
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND	ND	ND
129-00-0	Pyrene	340*	520*	1400*	1100*	100000
62-53-3	Aniline	ND	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
309-00-2	Aldrin	ND	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND	ND

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-0 0-12"	Station 0-8-0 12-24"	Station 0-8-1 0-12"	Station 0-8-1 12-24"	Station 0-8-2 0-12"
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	650**	1300.	ND	ND	ND
72-55-9	4,4'-DDE	ND	75**	23**	24**	ND
72-54-8	4,4'-DDD	22**	350**	22**	44**	ND
959-98-8	alpha-Endosulfan	ND	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND	ND
319-86-8	delta-BHC	ND	100**	ND	ND	ND
53469-21-9	PCB-1242	120**	480**	320**	460**	ND
11097-69-1	PCB-1254	ND	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND	ND



PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-0 0-12"	Station 0-8-0 12-24"	Station 0-8-1 0-12"	Station 0-8-1 12-24"	Station 0-8-2 0-12"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	ND	ND	ND	ND	ND
1918-00-9	Dicamba	ND	ND	ND	ND	ND
7085-19-0	MCPPP	ND <sup>a</sup>	ND	ND	ND	ND <sup>a</sup>
94-74-6	MCPA	ND <sup>a</sup>	ND	ND <sup>a</sup>	ND <sup>a</sup>	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND	ND	130
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	280	ND	300	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	0.6	0.8	0.4	0.2	3.3
	Arsenic	23	22	7.5	8.3	79
	Beryllium	0.55	0.54	0.39	0.85	0.52
	Cadmium	9.6	14	7	12	4.8
	Chromium	370	430	200	260	270
	Copper	320	450	220	320	700
	Lead	420	690	410	680	760
	Mercury	11	13	5.3	3.0	11
	Nickel	70	76	51	59	95
	Selenium	<2	<2	<1	<2	3

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-51

CAS Number	Compound Name	Station 0-8-0 0-12"	Station 0-8-0 12-24"	Station 0-8-1 0-12"	Station 0-8-1 12-24"	Station 0-8-2 0-12"
<u>Metals (Continued)</u>						
	Silver	6.5	7.3	4.0	6.6	4.4
	Thallium	<0.02	<0.02	<0.02	<0.02	<0.02
	Zinc	920	1500	700	1100	1400
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.73	1.7	1.4	1.1	4.5
	Total Phenols	0.20	0.89	<0.05	0.80	<0.05

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide - estimated concentration range 10,000 to 100,000 ppb. (MCPD and MCPA are not detected.)

D255-0-8-0.1 to 9

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	ND (0.54 ppb)	10.8 ppb	2.3 ppb	0.87 ppb	65.6 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-	ND (0.43 ppb)	-	-	0.67-ppb
3268-87-9	Octachlorodibenzo-p- dioxin	-	4.8 ppb	-	-	5.6 µpb

Volatile Organic Compounds (Concentration Units are in µg/kg)

71-43-2	Benzene	ND	15*	12*	-	-
56-23-5	Carbon tetrachloride	ND	ND	ND	-	-
108-90-7	Chlorobenzene	ND	120	100	-	-
107-06-2	1,2-Dichloroethane	ND	ND	ND	-	-
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	-	-
75-34-3	1,1-Dichloroethane	ND	ND	ND	-	-
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	-	-
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	-	-
75-00-3	Chloroethane	ND	ND	ND	-	-
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	-	-
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	-	-
67-66-3	Chloroform	ND	ND	ND	-	-
75-35-4	1,1-Dichloroethene	ND	ND	ND	-	-
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	ND	-	-
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	-	-
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	-	-
100-41-4	Ethylbenzene	ND	ND	ND	-	-
75-09-2	Methylene chloride	680	350	320	-	-
74-87-3	Chloromethane	ND	ND	ND	-	-
74-83-9	Bromomethane	ND	ND	ND	-	-
75-25-2	Bromoform	ND	ND	ND	-	-
75-27-4	Bromodichloromethane	ND	ND	ND	-	-
75-69-4	Trichlorofluoro- methane	ND	ND	ND	-	-
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	-	-
124-48-1	Chlorodibromomethane	ND	ND	ND	-	-
127-18-4	Tetrachloroethene	ND	ND	ND	-	-
108-88-3	Toluene	52	ND	ND	-	-
79-01-6	Trichloroethene	ND	ND	ND	-	-
75-01-4	Vinyl chloride	ND	ND	ND	-	-
67-64-1	Acetone	770	260*	ND	-	-
78-93-3	2-Butanone	100*	ND	ND	-	-
75-15-0	Carbon disulfide	25*	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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G-54

CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
519-78-6	2-Hexanone	ND	ND	ND	-	-
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	-	-
100-42-5	Styrene	ND	ND	ND	-	-
108-05-4	Vinyl acetate	ND	ND	ND	-	-
95-47-6	Total Xylenes	ND	ND	ND	-	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND	-	-
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	-	-
95-57-8	2-Chlorophenol	ND	ND	ND	-	-
120-33-2	2,4-Dichlorophenol	ND	ND	ND	-	-
105-67-9	2,4-Dimethylphenol	ND	ND	ND	-	-
88-75-5	2-Nitrophenol	ND	ND	ND	-	-
100-02-7	4-Nitrophenol	ND	ND	ND	-	-
51-28-5	2,4-Dinitrophenol	ND	ND	ND	-	-
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	-	-
87-86-5	Pentachlorophenol	ND	ND	ND	-	-
108-95-2	Phenol	ND	ND	ND	-	-
65-85-0	Benzoic acid	ND	ND	ND	-	-
95-48-7	2-Methylphenol	ND	ND	ND	-	-
108-39-4	4-Methylphenol	ND	ND	ND	-	-
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
83-32-9	Acenaphthene	1200*	ND	ND	-	-
92-87-5	Benzidine	ND	ND	ND	-	-
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	-	-
118-74-1	Hexachlorobenzene	ND	ND	ND	-	-
67-72-1	Hexachloroethane	ND	ND	ND	-	-
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	-	-
91-58-7	2-Chloronaphthalene	ND	ND	ND	-	-
95-50-1	1,2-Dichlorobenzene	ND	ND	ND	-	-
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	-	-
106-46-7	1,4-Dichlorobenzene	ND	ND	ND	-	-
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	-	-
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	-	-
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	-	-
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	-	-
206-44-0	Fluoranthene	1800*	ND	680*	-	-
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	-	-
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	-	-
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	-	-
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	ND	ND	-	-
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND	-	-
78-59-1	Isophorone	ND	ND	ND	-	-
91-20-3	Naphthalene	710*	ND	ND	-	-
98-95-3	Nitrobenzene	ND	ND	ND	-	-
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND	-	-
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	-	-
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND	-	-
117-81-7	Bis(2-ethylhexyl) phthalate	ND	16000	49000	-	-
85-68-7	Butyl benzyl phthalate	ND	ND	ND	-	-
84-74-2	Di-N-butyl phthalate	ND	ND	ND	-	-
117-84-0	Di-N-octyl phthalate	ND	ND	ND	-	-
84-66-2	Diethyl phthalate	ND	ND	ND	-	-
131-11-3	Dimethyl phthalate	ND	ND	ND	-	-
56-55-3	Benzo(A)anthracene	ND	ND	ND	-	-
50-32-8	Benzo(A)pyrene	880*	ND	ND	-	-
205-99-2	Benzo(B)fluor- anthene	780*	ND	ND	-	-
207-08-9	Benzo(K)fluoranthene	ND	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	3400*	ND	ND	-	-
208-96-8	Acenaphthylene	ND	ND	ND	-	-
120-12-7	Anthracene	1700*	ND	ND	-	-
191-24-2	Benzo(GHI)perylene	ND	ND	ND	-	-
86-73-7	Fluorene	1500*	ND	ND	-	-
85-01-	Phenanthrene	3900	ND	ND	-	-
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	-	-
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	ND	-	-
129-00-0	Pyrene	3600	ND	660*	-	-
62-53-3	Aniline	ND	ND	ND	-	-
100-51-6	Benzyl alcohol	ND	ND	ND	-	-
106-47-8	4-Chloroaniline	ND	ND	ND	-	-
132-64-9	Dibenzofuran	ND	ND	ND	-	-
91-57-6	2-Methylnaphthalene	1600*	ND	ND	-	-
88-74-4	2-Nitroaniline	ND	ND	ND	-	-
99-09-2	3-Nitroaniline	ND	ND	ND	-	-
100-01-6	4-Nitroaniline	ND	ND	ND	-	-
<u>Pesticides and PCBs (Concentration Units are in µg/kg)</u>						
309-00-2	Aldrin	ND	ND	ND	-	-
60-57-1	Dieldrin	ND	ND	ND	-	-
57-74-9	Chlordane	ND	ND	ND	-	-



PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	ND	4400**	760**	-	-
72-55-9	4,4'-DDE	ND	92**	93**	-	-
72-54-8	4,4'-DDD	ND	58**	40**	-	-
959-98-8	alpha-Endosulfan	ND	ND	ND	-	-
33213-65-9	beta-Endosulfan	ND	ND	ND	-	-
1031-07-8	Endosulfan sulfate	ND	ND	ND	-	-
72-20-8	Endrin	ND	ND	ND	-	-
7421-93-4	Endrin aldehyde	ND	ND	ND	-	-
76-44-8	Heptachlor	ND	ND	ND	-	-
1024-57-3	Heptachlor epoxide	ND	ND	ND	-	-
319-84-6	alpha-BHC	ND	ND	ND	-	-
319-85-7	beta-BHC	ND	ND	ND	-	-
58-89-9	gamma-BHC	ND	ND	ND	-	-
319-86-8	delta-BHC	ND	ND	ND	-	-
53469-21-9	PCB-1242	ND	450**	180**	-	-
11097-69-1	PCB-1254	ND	ND	ND	-	-
11104-28-2	PCB-1221	ND	ND	ND	-	-
11141-16-5	PCB-1232	ND	ND	ND	-	-
12672-29-6	PCB-1248	ND	ND	ND	-	-
11096-82-5	PCB-1260	ND	ND	ND	-	-
12674-11-2	PCB-1016	ND	ND	ND	-	-
8001-35-2	Toxaphene	ND	ND	ND	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	ND	ND	ND	-	-
1918-00-9	Dicamba	ND	ND	ND	-	-
7085-19-0	MCPP	ND	ND <sup>a</sup>	ND <sup>a</sup>	-	-
94-74-6	MCPA	ND	ND <sup>a</sup>	ND <sup>a</sup>	-	-
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	-	-
94-75-7	2,4-D	ND	900	330	-	-
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND	-	-
93-76-5	2,4,5-T	ND	100	82	-	-
94-82-6	2,4-DB	ND	ND	ND	-	-
88-85-7	Dinoseb (DNBP)	ND	230	180	-	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	3.4	1.0	0.3	-	-
	Arsenic	97	37	19	-	-
	Beryllium	0.76	0.68	0.61	-	-
	Cadmium	3.0	12	9.5	-	-
	Chromium	340	450	340	-	-
	Copper	670	430	320	-	-
	Lead	580	560	440	-	-
	Mercury	11	14	12	-	-
	Nickel	55	80	67	-	-
	Selenium	22	<2	<2	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
<u>Metals (Continued)</u>						
	Silver	4.2	7.8	6.5	-	-
	Thallium	<0.02	<0.02	<0.02	-	-
	Zinc	850	1300	1000	-	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	6.8	0.85	0.58	-	-
	Total Phenols	0.40	0.20	1.5	-	-

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide - estimated concentration range 10,000 to 1000,000 ppb. (MCP and MCPA are not detected.)

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PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	ND (0.27 ppb)	1.5 ppb	3.5 ppb	10.3 ppb	1.7 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-	-	-	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>						
71-43-2	Benzene	-	-	-	-	-
56-23-5	Carbon tetrachloride	-	-	-	-	-
108-90-7	Chlorobenzene	-	-	-	-	-
107-06-2	1,2-Dichloroethane	-	-	-	-	-
71-55-6	1,1,1-Trichloroethane	-	-	-	-	-
75-34-3	1,1-Dichloroethane	-	-	-	-	-
79-00-5	1,1,2-Trichloro- ethane	-	-	-	-	-
79-34-5	1,1,2,2-Tetrachloro- ethane	-	-	-	-	-
75-00-3	Chloroethane	-	-	-	-	-
542-88-1	Bis(chloromethyl) ether	-	-	-	-	-
110-75-8	2-Chloroethylvinyl ether	-	-	-	-	-
67-66-3	Chloroform	-	-	-	-	-
75-35-4	1,1-Dichloroethene	-	-	-	-	-
156-60-5	trans-1,2-Dichloro- ethene	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	-	-	-	-	-
10061-02-6	trans-1,3-Dichloro- propene	-	-	-	-	-
10061-01-5	cis-1,3-Dichloro- propene	-	-	-	-	-
100-41-4	Ethylbenzene	-	-	-	-	-
75-09-2	Methylene chloride	-	-	-	-	-
74-87-3	Chloromethane	-	-	-	-	-
74-83-9	Bromomethane	-	-	-	-	-
75-25-2	Bromoform	-	-	-	-	-
75-27-4	Bromodichloromethane	-	-	-	-	-
75-69-4	Trichlorofluoro- methane	-	-	-	-	-
75-71-8	Dichlorodifluoro- methane	-	-	-	-	-
124-48-1	Chlorodibromomethane	-	-	-	-	-
127-18-4	Tetrachloroethene	-	-	-	-	-
108-88-3	Toluene	-	-	-	-	-
79-01-6	Trichloroethene	-	-	-	-	-
75-01-4	Vinyl chloride	-	-	-	-	-
67-64-1	Acetone	-	-	-	-	-
78-93-3	2-Butanone	-	-	-	-	-
75-15-0	Carbon disulfide	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12" "
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	-	-	-	-	-
108-10-1	4-Methyl-2-pentanone	-	-	-	-	-
100-42-5	Styrene	-	-	-	-	-
108-05-4	Vinyl acetate	-	-	-	-	-
95-47-6	Total Xylenes	-	-	-	-	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>						
88-06-2	2,4,6-Trichlorophenol	-	-	-	-	-
59-50-7	4-Chloro-3-methyl-phenol	-	-	-	-	-
95-57-8	2-Chlorophenol	-	-	-	-	-
120-33-2	2,4-Dichlorophenol	-	-	-	-	-
105-67-9	2,4-Dimethylphenol	-	-	-	-	-
88-75-5	2-Nitrophenol	-	-	-	-	-
100-02-7	4-Nitrophenol	-	-	-	-	-
51-28-5	2,4-Dinitrophenol	-	-	-	-	-
534-52-1	4,6-Dinitro-2-methylphenol	-	-	-	-	-
87-86-5	Pentachlorophenol	-	-	-	-	-
108-95-2	Phenol	-	-	-	-	-
65-85-0	Benzoic acid	-	-	-	-	-
95-48-7	2-Methylphenol	-	-	-	-	-
108-39-4	4-Methylphenol	-	-	-	-	-
95-95-4	2,4,5-Trichlorophenol	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	-	-	-	-	-
92-87-5	Benzidine	-	-	-	-	-
120-82-1	1,2,4-Trichlorobenzene	-	-	-	-	-
118-74-1	Hexachlorobenzene	-	-	-	-	-
67-72-1	Hexachloroethane	-	-	-	-	-
111-44-4	Bis(2-chloroethyl) ether	-	-	-	-	-
91-58-7	2-Chloronaphthalene	-	-	-	-	-
95-50-1	1,2-Dichlorobenzene	-	-	-	-	-
541-73-1	1,3-Dichlorobenzene	-	-	-	-	-
106-46-7	1,4-Dichlorobenzene	-	-	-	-	-
91-94-1	3,3'-Dichlorobenzidine	-	-	-	-	-
121-14-2	2,4-Dinitrotoluene	-	-	-	-	-
606-20-2	2,6-Dinitrotoluene	-	-	-	-	-
122-66-7	1,2-Diphenylhydrazine	-	-	-	-	-
206-44-0	Fluoranthene	-	-	-	-	-
7005-72-3	4-Chlorophenyl phenyl ether	-	-	-	-	-
101-55-3	4-Bromophenyl phenyl ether	-	-	-	-	-
39638-32-9	Bis(2-chloroiso- propyl)ether	-	-	-	-	-
111-91-1	Bis(2-chloroethoxy) methane	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	-	-	-	-	-
77-47-4	Hexachlorocyclo- pentadiene	-	-	-	-	-
78-59-1	Isophorone	-	-	-	-	-
91-20-3	Naphthalene	-	-	-	-	-
98-95-3	Nitrobenzene	-	-	-	-	-
62-75-9	N-nitrosodimethyl- amine	-	-	-	-	-
86-30-6	N-nitrosodiphenylamine	-	-	-	-	-
621-64-7	N-nitrosodipropyla- mine	-	-	-	-	-
117-81-7	Bis(2-ethylhexyl) phthalate	-	-	-	-	-
85-68-7	Butyl benzyl phthalate	-	-	-	-	-
84-74-2	Di-N-butyl phthalate	-	-	-	-	-
117-84-0	Di-N-octyl phthalate	-	-	-	-	-
84-66-2	Diethyl phthalate	-	-	-	-	-
131-11-3	Dimethyl phthalate	-	-	-	-	-
56-55-3	Benzo(A)anthracene	-	-	-	-	-
50-32-8	Benzo(A)pyrene	-	-	-	-	-
205-99-2	Benzo(B)fluor- anthene	-	-	-	-	-
207-08-9	Benzo(K)fluoranthene	-	-	-	-	-



PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
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Base/Neutral/Acids (Continued)

218-01-9	Chrysene	-	-	-	-	-
208-96-8	Acenaphthylene	-	-	-	-	-
120-12-7	Anthracene	-	-	-	-	-
191-24-2	Benzo(GHI)perylene	-	-	-	-	-
86-73-7	Fluorene	-	-	-	-	-
85-01-	Phenanthrene	-	-	-	-	-
53-70-3	Dibenzo(A,H) anthracene	-	-	-	-	-
193-39-5	Indeno(1,2,3-CD)pyrene	-	-	-	-	-
129-00-0	Pyrene	-	-	-	-	-
62-53-3	Aniline	-	-	-	-	-
100-51-6	Benzyl alcohol	-	-	-	-	-
106-47-8	4-Chloroaniline	-	-	-	-	-
132-64-9	Dibenzofuran	-	-	-	-	-
91-57-6	2-Methylnaphthalene	-	-	-	-	-
88-74-4	2-Nitroaniline	-	-	-	-	-
99-09-2	3-Nitroaniline	-	-	-	-	-
100-01-6	4-Nitroaniline	-	-	-	-	-

Pesticides and PCBs (Concentration Units are in µg/kg)

309-00-2	Aldrin	-	-	-	-	-
60-57-1	Dieldrin	-	-	-	-	-
57-74-9	Chlordane	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	-	-	-	-	-
72-55-9	4,4'-DDE	-	-	-	-	-
72-54-8	4,4'-DDD	-	-	-	-	-
959-98-8	alpha-Endosulfan	-	-	-	-	-
33213-65-9	beta-Endosulfan	-	-	-	-	-
1031-07-8	Endosulfan sulfate	-	-	-	-	-
72-20-8	Endrin	-	-	-	-	-
7421-93-4	Endrin aldehyde	-	-	-	-	-
76-44-8	Heptachlor	-	-	-	-	-
1024-57-3	Heptachlor epoxide	-	-	-	-	-
319-84-6	alpha-BHC	-	-	-	-	-
319-85-7	beta-BHC	-	-	-	-	-
58-89-9	gamma-BHC	-	-	-	-	-
319-86-8	delta-BHC	-	-	-	-	-
53469-21-9	PCB-1242	-	-	-	-	-
11097-69-1	PCB-1254	-	-	-	-	-
11104-28-2	PCB-1221	-	-	-	-	-
11141-16-5	PCB-1232	-	-	-	-	-
12672-29-6	PCB-1248	-	-	-	-	-
11096-82-5	PCB-1260	-	-	-	-	-
12674-11-2	PCB-1016	-	-	-	-	-
8001-35-2	Toxaphene	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
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Chlorinated Herbicides (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

75-99-0	Dalapon (Dowpon)	-	-	-	-	-
1918-00-9	Dicamba	-	-	-	-	-
7085-19-0	MCPP	-	-	-	-	-
94-74-6	MCPA	-	-	-	-	-
120-36-5	Dichloroprop (2,4-DP)	-	-	-	-	-
94-75-7	2,4-D	-	-	-	-	-
93-72-1	2,4,5-TP (Silvex)	-	-	-	-	-
93-76-5	2,4,5-T	-	-	-	-	-
94-82-6	2,4-DB	-	-	-	-	-
88-85-7	Dinoseb (DNBP)	-	-	-	-	-

Metals (Concentration Units are in Parts per Million - ppm)

Antimony	-	-	-	-	-
Arsenic	-	-	-	-	-
Beryllium	-	-	-	-	-
Cadmium	-	-	-	-	-
Chromium	-	-	-	-	-
Copper	-	-	-	-	-
Lead	-	-	-	-	-
Mercury	-	-	-	-	-
Nickel	-	-	-	-	-
Selenium	-	-	-	-	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
<u>Metals (Continued)</u>						
	Silver	-	-	-	-	-
	Thallium	-	-	-	-	-
	Zinc	-	-	-	-	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	-	-	-	-	-
	Total Phenols	-	-	-	-	-
D255-PRS2-1 to 0						

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	1.3 ppb	130 ppb	0.97 ppb	0.94 ppb	2.0 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-	14.9 ppb	-	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	16 ppb	-	-	-

Volatile Organic Compounds (Concentration Units are in  $\mu\text{g}/\text{kg}$ )

71-43-2	Benzene	12*	210	-	14*	-
56-23-5	Carbon tetrachloride	ND	ND	-	ND	-
108-90-7	Chlorobenzene	ND	96	-	250	-
107-06-2	1,2-Dichloroethane	ND	ND	-	ND	-
71-55-6	1,1,1-Trichloroethane	ND	ND	-	ND	-
75-34-3	1,1-Dichloroethane	ND	ND	-	ND	-
79-00-5	1,1,2-Trichloro- ethane	ND	ND	-	ND	-
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	-	ND	-
75-00-3	Chloroethane	ND	ND	-	ND	-
542-88-1	Bis(chloromethyl) ether	ND	ND	-	ND	-
110-75-8	2-Chloroethylvinyl ether	ND	ND	-	ND	-
67-66-3	Chloroform	ND	ND	-	ND	-
75-35-4	1,1-Dichloroethene	ND	ND	-	ND	-
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	-	ND	-
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	-	ND	-
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	-	ND	-
100-41-4	Ethylbenzene	ND	100	-	ND	-
75-09-2	Methylene chloride	100	140	-	130	-
74-87-3	Chloromethane	ND	ND	-	ND	-
74-83-9	Bromomethane	ND	ND	-	ND	-
75-25-2	Bromoform	ND	ND	-	ND	-
75-27-4	Bromodichloromethane	ND	ND	-	ND	-
75-69-4	Trichlorofluoro- methane	ND	ND	-	ND	-
75-71-8	Dichlorodifluoro- methane	ND	ND	-	ND	-
124-48-1	Chlorodibromomethane	ND	ND	-	ND	-
127-18-4	Tetrachloroethene	ND	22*	-	ND	-
108-88-3	Toluene	ND	270	-	ND	-
79-01-6	Trichloroethene	ND	ND	-	ND	-
75-01-4	Vinyl chloride	ND	ND	-	ND	-
67-64-1	Acetone	220*	830	-	250*	-
78-93-3	2-Butanone	ND	310*	-	74*	-
75-15-0	Carbon disulfide	ND	12*	-	ND	-

PASSAIC RIVER SEDIMENTS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	-	ND	-
108-10-1	4-Methyl-2-pentanone	ND	ND	-	ND	-
100-42-5	Styrene	ND	ND	-	ND	-
108-05-4	Vinyl acetate	ND	ND	-	ND	-
95-47-6	Total Xylenes	ND	500	-	400	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	ND	-	ND	-
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	-	ND	-
95-57-8	2-Chlorophenol	ND	ND	-	ND	-
120-33-2	2,4-Dichlorophenol	ND	360000	-	ND	-
105-67-9	2,4-Dimethylphenol	ND	ND	-	ND	-
88-75-5	2-Nitrophenol	ND	ND	-	ND	-
100-02-7	4-Nitrophenol	ND	ND	-	ND	-
51-28-5	2,4-Dinitrophenol	ND	ND	-	ND	-
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	-	ND	-
87-86-5	Pentachlorophenol	ND	ND	-	ND	-
108-95-2	Phenol	ND	ND	-	ND	-
65-85-0	Benzoic acid	ND	ND	-	ND	-
95-48-7	2-Methylphenol	ND	ND	-	ND	-
108-39-4	4-Methylphenol	ND	ND	-	ND	-
95-95-4	2,4,5-Trichlorophenol	ND	140000	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	ND	-	ND	-
92-87-5	Benzidine	ND	ND	-	ND	-
120-82-1	1,2,4-Trichlorobenzene	ND	ND	-	ND	-
118-74-1	Hexachlorobenzene	ND	ND	-	ND	-
67-72-1	Hexachloroethane	ND	ND	-	ND	-
111-44-4	Bis(2-chloroethyl) ether	ND	ND	-	ND	-
91-58-7	2-Chloronaphthalene	ND	ND	-	ND	-
95-50-1	1,2-Dichlorobenzene	ND	ND	-	ND	-
541-73-1	1,3-Dichlorobenzene	ND	ND	-	ND	-
106-46-7	1,4-Dichlorobenzene	ND	ND	-	ND	-
91-94-1	3,3'-Dichlorobenzidine	ND	ND	-	ND	-
121-14-2	2,4-Dinitrotoluene	ND	ND	-	ND	-
606-20-2	2,6-Dinitrotoluene	ND	ND	-	ND	-
122-66-7	1,2-Diphenylhydrazine	ND	ND	-	ND	-
206-44-0	Fluoranthene	610*	ND	-	570*	-
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	-	ND	-
101-55-3	4-Bromophenyl phenyl ether	ND	ND	-	ND	-
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	-	ND	-
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	-	ND	-



PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	ND	-	ND	-
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	-	ND	-
78-59-1	Isophorone	ND	ND	-	ND	-
91-20-3	Naphthalene	ND	ND	-	ND	-
98-95-3	Nitrobenzene	ND	ND	-	ND	-
62-75-9	N-nitrosodimethyl- amine	ND	ND	-	ND	-
86-30-6	N-nitrosodiphenylamine	ND	ND	-	ND	-
621-64-7	N-nitrosodipropyla- mine	ND	ND	-	ND	-
117-81-7	Bis(2-ethylhexyl) phthalate	66000	37000*	-	36000	-
85-68-7	Butyl benzyl phthalate	ND	ND	-	ND	-
84-74-2	Di-N-butyl phthalate	ND	ND	-	ND	-
117-84-0	Di-N-octyl phthalate	ND	ND	-	ND	-
84-66-2	Diethyl phthalate	ND	ND	-	ND	-
131-11-3	Dimethyl phthalate	ND	ND	-	ND	-
56-55-3	Benzo(A)anthracene	ND	ND	-	ND	-
50-32-8	Benzo(A)pyrene	ND	ND	-	ND	-
205-99-2	Benzo(B)fluor- anthene	ND	ND	-	ND	-
207-08-9	Benzo(K)fluoranthene	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	ND	ND	-	ND	-
208-96-8	Acenaphthylene	ND	ND	-	ND	-
120-12-7	Anthracene	ND	ND	-	ND	-
191-24-2	Benzo(GHI)perylene	ND	ND	-	ND	-
86-73-7	Fluorene	ND	ND	-	ND	-
85-01-	Phenanthrene	440*	ND	-	ND	-
53-70-3	Dibenzo(A,H) anthracene	ND	ND	-	ND	-
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	-	ND	-
129-00-0	Pyrene	ND	ND	-	ND	-
62-53-3	Aniline	ND	ND	-	ND	-
100-51-6	Benzyl alcohol	ND	ND	-	ND	-
106-47-8	4-Chloroaniline	ND	ND	-	ND	-
132-64-9	Dibenzofuran	ND	ND	-	ND	-
91-57-6	2-Methylnaphthalene	250*	ND	-	ND	-
88-74-4	2-Nitroaniline	ND	ND	-	ND	-
99-09-2	3-Nitroaniline	ND	ND	-	ND	-
100-01-6	4-Nitroaniline	ND	ND	-	ND	-
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
309-00-2	Aldrin	ND	ND	-	ND	-
60-57-1	Dieldrin	ND	12000*	-	ND	-
57-74-9	Chlordane	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	430**	ND	-	ND	-
72-55-9	4,4'-DDE	78**	ND	-	42**	-
72-54-8	4,4'-DDD	57**	ND	-	48**	-
959-98-8	alpha-Endosulfan	ND	ND	-	ND	-
33213-65-9	beta-Endosulfan	ND	ND	-	ND	-
1031-07-8	Endosulfan sulfate	ND	ND	-	ND	-
72-20-8	Endrin	ND	ND	-	ND	-
7421-93-4	Endrin aldehyde	ND	ND	-	ND	-
76-44-8	Heptachlor	ND	ND	-	ND	-
1024-57-3	Heptachlor epoxide	ND	ND	-	ND	-
319-84-6	alpha-BHC	ND	ND	-	ND	-
319-85-7	beta-BHC	ND	ND	-	ND	-
58-89-9	gamma-BHC	ND	ND	-	ND	-
319-86-8	delta-BHC	ND	ND	-	ND	-
53469-21-9	PCB-1242	510**	8100**	-	660**	-
11097-69-1	PCB-1254	ND	ND	-	ND	-
11104-28-2	PCB-1221	ND	ND	-	ND	-
11141-16-5	PCB-1232	ND	ND	-	ND	-
12672-29-6	PCB-1248	ND	ND	-	ND	-
11096-82-5	PCB-1260	ND	ND	-	ND	-
12674-11-2	PCB-1016	ND	ND	-	ND	-
8001-35-2	Toxaphene	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	ND	ND	-	ND	-
1918-00-9	Dicamba	ND	ND	-	ND	-
7085-19-0	MCPP	ND	ND	-	ND	-
94-74-6	MCPA	ND <sup>a</sup>	ND	-	ND	-
120-36-5	Dichloroprop (2,4-DP)	ND	ND	-	ND	-
94-75-7	2,4-D	ND	490000	-	ND	-
93-72-1	2,4,5-TP (Silvex)	ND	ND	-	ND	-
93-76-5	2,4,5-T	ND	820000	-	ND	-
94-82-6	2,4-DB	ND	ND	-	ND	-
88-85-7	Dinoseb (DNBP)	220	ND	-	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	0.9	1.3	-	1.8	-
	Arsenic	22	37	-	18	-
	Beryllium	0.71	0.85	-	0.72	-
	Cadmium	13	16	-	11	-
	Chromium	470	550	-	370	-
	Copper	670	720	-	390	-
	Lead	600	700	-	570	-
	Mercury	10	3.9	-	4.9	-
	Nickel	96	75	-	77	-
	Selenium	<2	<2	-	<2	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Metals (Continued)</u>						
	Silver	8.5	9.4	-	6.1	-
	Thallium	<0.02	<0.02	-	<0.02	-
	Zinc	1400	1500	-	2100	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	1.2	1.6	-	3.8	-
	Total Phenols	0.20	298	-	0.40	-

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide - estimated concentration range 10,000 to 100,000 ppb. (MCPA is not detected.)

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PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-7-0 0-12"
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	1.1 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-
3268-87-9	Octachlorodibenzo-p- dioxin	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>		
71-43-2	Benzene	-
56-23-5	Carbon tetrachloride	-
108-90-7	Chlorobenzene	-
107-06-2	1,2-Dichloroethane	-
71-55-6	1,1,1-Trichloroethane	-
75-34-3	1,1-Dichloroethane	-
79-00-5	1,1,2-Trichloro- ethane	-
79-34-5	1,1,2,2-Tetrachloro- ethane	-
75-00-3	Chloroethane	-
542-88-1	Bis(chloromethyl) ether	-
110-75-8	2-Chloroethylvinyl ether	-
67-66-3	Chloroform	-
75-35-4	1,1-Dichloroethene	-
156-60-5	trans-1,2-Dichloro- ethene	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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1-7-0 CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Volatiles (Continued)</u>		
78-87-5	1,2-Dichloropropane	-
10061-02-6	trans-1,3-Dichloro- propene	-
10061-01-5	cis-1,3-Dichloro- propene	-
100-41-4	Ethylbenzene	-
75-09-2	Methylene chloride	-
74-87-3	Chloromethane	-
74-83-9	Bromomethane	-
75-25-2	Bromoform	-
75-27-4	Bromodichloromethane	-
75-69-4	Trichlorofluoro- methane	-
75-71-8	Dichlorodifluoro- methane	-
124-48-1	Chlorodibromomethane	-
127-18-4	Tetrachloroethene	-
108-88-3	Toluene	-
79-01-6	Trichloroethene	-
75-01-4	Vinyl chloride	-
67-64-1	Acetone	-
78-93-3	2-Butanone	-
75-15-0	Carbon disulfide	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

1-7-0 CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Volatiles (Continued)</u>		
519-78-6	2-Hexanone	-
108-10-1	4-Methyl-2-pentanone	-
100-42-5	Styrene	-
108-05-4	Vinyl acetate	-
95-47-6	Total Xylenes	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>		
88-06-2	2,4,6-Trichlorophenol	-
59-50-7	4-Chloro-3-methyl-phenol	-
95-57-8	2-Chlorophenol	-
120-33-2	2,4-Dichlorophenol	-
105-67-9	2,4-Dimethylphenol	-
88-75-5	2-Nitrophenol	-
100-02-7	4-Nitrophenol	-
51-28-5	2,4-Dinitrophenol	-
534-52-1	4,6-Dinitro-2-methylphenol	-
87-86-5	Pentachlorophenol	-
108-95-2	Phenol	-
65-85-0	Benzoic acid	-
95-48-7	2-Methylphenol	-
108-39-4	4-Methylphenol	-
95-95-4	2,4,5-Trichlorophenol	-



PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>		
83-32-9	Acenaphthene	-
92-87-5	Benzidine	-
120-82-1	1,2,4-Trichlorobenzene	-
118-74-1	Hexachlorobenzene	-
67-72-1	Hexachloroethane	-
111-44-4	Bis(2-chloroethyl) ether	-
91-58-7	2-Chloronaphthalene	-
95-50-1	1,2-Dichlorobenzene	-
541-73-1	1,3-Dichlorobenzene	-
106-46-7	1,4-Dichlorobenzene	-
91-94-1	3,3'-Dichlorobenzidine	-
121-14-2	2,4-Dinitrotoluene	-
606-20-2	2,6-Dinitrotoluene	-
122-66-7	1,2-Diphenylhydrazine	-
206-44-0	Fluoranthene	-
7005-72-3	4-Chlorophenyl phenyl ether	-
101-55-3	4-Bromophenyl phenyl ether	-
39638-32-9	Bis(2-chloroiso- propyl)ether	-
111-91-1	Bis(2-chloroethoxy) methane	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>		
87-68-3	Hexachlorobutadiene	-
77-47-4	Hexachlorocyclo- pentadiene	-
78-59-1	Isophorone	-
91-20-3	Naphthalene	-
98-95-3	Nitrobenzene	-
62-75-9	N-nitrosodimethyl- amine	-
86-30-6	N-nitrosodiphenylamine	-
621-64-7	N-nitrosodipropyla- mine	-
117-81-7	Bis(2-ethylhexyl) phthalate	-
85-68-7	Butyl benzyl phthalate	-
84-74-2	Di-N-butyl phthalate	-
117-84-0	Di-N-octyl phthalate	-
84-66-2	Diethyl phthalate	-
131-11-3	Dimethyl phthalate	-
56-55-3	Benzo(A)anthracene	-
50-32-8	Benzo(A)pyrene	-
205-99-2	Benzo(B)fluor- anthene	-
207-08-9	Benzo(K)fluoranthene	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>		
218-01-9	Chrysene	-
208-96-8	Acenaphthylene	-
120-12-7	Anthracene	-
191-24-2	Benzo(GHI)perylene	-
86-73-7	Fluorene	-
85-01-	Phenanthrene	-
53-70-3	Dibenzo(A,H) anthracene	-
193-39-5	Indeno(1,2,3-CD)pyrene	-
129-00-0	Pyrene	-
62-53-3	Aniline	-
100-51-6	Benzyl alcohol	-
106-47-8	4-Chloroaniline	-
132-64-9	Dibenzofuran	-
91-57-6	2-Methylnaphthalene	-
88-74-4	2-Nitroaniline	-
99-09-2	3-Nitroaniline	-
100-01-6	4-Nitroaniline	-
<u>Pesticides and PCBs (Concentration Units are in µg/kg)</u>		
309-00-2	Aldrin	-
60-57-1	Dieldrin	-
57-74-9	Chlordane	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Pesticides and PCBs (Continued)</u>		
50-29-3	4,4'-DDT	-
72-55-9	4,4'-DDE	-
72-54-8	4,4'-DDD	-
959-98-8	alpha-Endosulfan	-
33213-65-9	beta-Endosulfan	-
1031-07-8	Endosulfan sulfate	-
72-20-8	Endrin	-
7421-93-4	Endrin aldehyde	-
76-44-8	Heptachlor	-
1024-57-3	Heptachlor epoxide	-
319-84-6	alpha-BHC	-
319-85-7	beta-BHC	-
58-89-9	gamma-BHC	-
319-86-8	delta-BHC	-
53469-21-9	PCB-1242	-
11097-69-1	PCB-1254	-
11104-28-2	PCB-1221	-
11141-16-5	PCB-1232	-
12672-29-6	PCB-1248	-
11096-82-5	PCB-1260	-
12674-11-2	PCB-1016	-
8001-35-2	Toxaphene	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Chlorinated Herbicides (Concentration Units are in µg/kg)</u>		
75-99-0	Dalapon (Dowpon)	-
1918-00-9	Dicamba	-
7085-19-0	MCPP	-
94-74-6	MCPA	-
120-36-5	Dichloroprop (2,4-DP)	-
94-75-7	2,4-D	-
93-72-1	2,4,5-TP (Silvex)	-
93-76-5	2,4,5-T	-
94-82-6	2,4-DB	-
88-85-7	Dinoseb (DNBP)	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>		
	Antimony	-
	Arsenic	-
	Beryllium	-
	Cadmium	-
	Chromium	-
	Copper	-
	Lead	-
	Mercury	-
	Nickel	-
	Selenium	-

PASSAIC RIVER SEDIMENTS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Metals (Continued)</u>		
	Silver	-
	Thallium	-
	Zinc	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>		
	Total Cyanide	-
	Total Phenols	-

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APPENDIX  
H

APPENDIX H



APPENDIX H  
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BACKGROUND SOIL BOREHOLE - SHERWIN-WILLIAMS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: 0-6", 10/30/84

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
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**VOLATILES:**

	NONE FOUND	

**BASE/NEUTRAL/ACIDS:**

----	Unknown	900 $\mu\text{g}/\text{Kg}$
----	A methylphenanthrene	800 $\mu\text{g}/\text{Kg}$

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

BACKGROUND SOIL BOREHOLE - SHERWIN-WILLIAMS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: 12-24", 10/30/84

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
----	A xylene isomer	2,000 ug/Kg
76-22-2	1,7,7-trimethyl-bicyclo[2.2.1]heptan-2-one	4,000 ug/Kg
----	A trichlorobenzene isomer	1,000 ug/Kg
----	A trichlorobenzene isomer	1,000 ug/Kg
----	A dimethylnaphthalene isomer	1,000 ug/Kg
----	Unknown	2,000 ug/Kg
----	Unknown	2,000 ug/Kg
----	A methyl-phenanthrene isomer	4,000 ug/Kg
----	Unknown	2,000 ug/Kg
----	Unknown	3,000 ug/Kg
----	Unknown	3,000 ug/Kg
----	Unknown	2,000 ug/Kg
----	A methyl-pyrene isomer	2,000 ug/Kg
55741-09-8	Tetrachloro derivative of 1,1'-thiobis benzene	2,000 ug/Kg
----	Unknown	1,000 ug/Kg
----	Unknown	5,000 ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	1.2 ppb	5.1 ppb	3.4 ppb	ND (0.57 ppb)	ND (0.76 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	19.9 ppb	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	15.7 ppb	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>						
71-43-2	Benzene	ND	-	ND	ND	-
56-23-5	Carbon tetrachloride	ND	-	ND	ND	-
108-90-7	Chlorobenzene	ND	-	ND	150	-
107-06-2	1,2-Dichloroethane	ND	-	ND	ND	-
71-55-6	1,1,1-Trichloroethane	ND	-	ND	ND	-
75-34-3	1,1-Dichloroethane	ND	-	ND	ND	-
79-00-5	1,1,2-Trichloroethane	ND	-	ND	ND	-
79-34-5	1,1,2,2-Tetrachloroethane	ND	-	ND	ND	-
75-00-3	Chloroethane	ND	-	ND	ND	-
542-88-1	Bis(chloromethyl) ether	ND	-	ND	ND	-
110-75-8	2-Chloroethylvinyl ether	ND	-	ND	ND	-
67-66-3	Chloroform	ND	-	ND	ND	-
75-35-4	1,1-Dichloroethene	ND	-	ND	ND	-
156-60-5	trans-1,2-Dichloroethene	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	-	ND	ND	-
10061-02-6	trans-1,3-Dichloro- propene	ND	-	ND	ND	-
10061-01-5	cis-1,3-Dichloro- propene	ND	-	ND	ND	-
100-41-4	Ethylbenzene	ND	-	ND	ND	-
75-09-2	Methylene chloride	110	-	87	87	-
74-87-3	Chloromethane	ND	-	ND	ND	-
74-83-9	Bromomethane	ND	-	ND	ND	-
75-25-2	Bromoform	ND	-	ND	ND	-
75-27-4	Bromodichloromethane	ND	-	ND	ND	-
75-69-4	Trichlorofluoro- methane	ND	-	ND	ND	-
75-71-8	Dichlorodifluoro- methane	ND	-	ND	ND	-
124-48-1	Chlorodibromomethane	ND	-	ND	ND	-
127-18-4	Tetrachloroethene	ND	-	ND	ND	-
108-88-3	Toluene	ND	-	ND	ND	-
79-01-6	Trichloroethene	ND	-	ND	ND	-
75-01-4	Vinyl chloride	ND	-	ND	ND	-
67-64-1	Acetone	ND	-	ND	86*	-
78-93-3	2-Butanone	ND	-	ND	ND	-
75-15-0	Carbon disulfide	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	-	ND	ND	-
108-10-1	4-Methyl-2-pentanone	ND	-	ND	ND	-
100-42-5	Styrene	ND	-	ND	ND	-
108-05-4	Vinyl acetate	ND	-	ND	ND	-
95-47-6	Total Xylenes	ND	-	ND	ND	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	-	ND	ND	-
59-50-7	4-Chloro-3-methyl-phenol	ND	-	ND	ND	-
95-57-8	2-Chlorophenol	ND	-	ND	ND	-
120-33-2	2,4-Dichlorophenol	ND	-	ND	ND	-
105-67-9	2,4-Dimethylphenol	ND	-	ND	ND	-
88-75-5	2-Nitrophenol	ND	-	ND	ND	-
100-02-7	4-Nitrophenol	ND	-	ND	ND	-
51-28-5	2,4-Dinitrophenol	ND	-	ND	ND	-
534-52-1	4,6-Dinitro-2-methylphenol	ND	-	ND	ND	-
87-86-5	Pentachlorophenol	ND	-	ND	ND	-
108-95-2	Phenol	ND	-	ND	ND	-
65-85-0	Benzoic acid	ND	-	ND	ND	-
95-48-7	2-Methylphenol	ND	-	ND	ND	-
108-39-4	4-Methylphenol	ND	-	ND	ND	-
95-95-4	2,4,5-Trichlorophenol	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

H-7

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	-	1600*	ND	-
92-87-5	Benzidine	ND	-	ND	ND	-
120-82-1	1,2,4-Trichlorobenzene	ND	-	ND	690*	-
118-74-1	Hexachlorobenzene	ND	-	1600*	ND	-
67-72-1	Hexachloroethane	ND	-	ND	ND	-
111-44-4	Bis(2-chloroethyl) ether	ND	-	ND	ND	-
91-58-7	2-Chloronaphthalene	ND	-	ND	ND	-
95-50-1	1,2-Dichlorobenzene	380*	-	1200*	4400	-
541-73-1	1,3-Dichlorobenzene	ND	-	ND	ND	-
106-46-7	1,4-Dichlorobenzene	420*	-	1800*	9100	-
91-94-1	3,3'-Dichlorobenzidine	ND	-	ND	ND	-
121-14-2	2,4-Dinitrotoluene	ND	-	ND	ND	-
606-20-2	2,6-Dinitrotoluene	ND	-	ND	ND	-
122-66-7	1,2-Diphenylhydrazine	ND	-	ND	ND	-
206-44-0	Fluoranthene	3000	-	26000	ND	-
7005-72-3	4-Chlorophenyl phenyl ether	ND	-	ND	ND	-
101-55-3	4-Bromophenyl phenyl ether	ND	-	ND	ND	-
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	-	ND	ND	-
111-91-1	Bis(2-chloroethoxy) methane	ND	-	ND	ND	-



BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	-	ND	ND	-
77-47-4	Hexachlorocyclo- pentadiene	ND	-	ND	ND	-
78-59-1	Isophorone	ND	-	ND	ND	-
91-20-3	Naphthalene	ND	-	1100*	ND	-
98-95-3	Nitrobenzene	ND	-	ND	ND	-
62-75-9	N-nitrosodimethyl- amine	ND	-	ND	ND	-
86-30-6	N-nitrosodiphenylamine	ND	-	ND	ND	-
621-64-7	N-nitrosodipropyla- mine	ND	-	ND	ND	-
117-81-7	Bis(2-ethylhexyl) phthalate	1400*	-	ND	ND	-
85-68-7	Butyl benzyl phthalate	ND	-	ND	ND	-
84-74-2	Di-N-butyl phthalate	ND	-	ND	ND	-
117-84-0	Di-N-octyl phthalate	ND	-	ND	ND	-
84-66-2	Diethyl phthalate	ND	-	ND	ND	-
131-11-3	Dimethyl phthalate	ND	-	ND	ND	-
56-55-3	Benzo(A)anthracene	1800*	-	15000	ND	-
50-32-8	Benzo(A)pyrene	ND	-	18000	ND	-
205-99-2	Benzo(B)fluor- anthene	ND	-	29000	ND	-
207-08-9	Benzo(K)fluoranthene	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	3700	-	27000	ND	-
208-96-8	Acenaphthylene	ND	-	290*	ND	-
120-12-7	Anthracene	330*	-	4300	ND	-
191-24-2	Benzo(GHI)perylene	ND	-	9300	ND	-
86-73-7	Fluorene	ND	-	2200	ND	-
85-01-	Phenanthrene	2200	-	21000	ND	-
53-70-3	Dibenzo(A,H) anthracene	ND	-	ND	ND	-
193-39-5	Indeno(1,2,3-CD)pyrene	ND	-	6300	ND	-
129-00-0	Pyrene	5300	-	28000	ND	-
62-53-3	Aniline	ND	-	ND	ND	-
100-51-6	Benzyl alcohol	ND	-	ND	ND	-
106-47-8	4-Chloroaniline	ND	-	ND	ND	-
132-64-9	Dibenzofuran	ND	-	1200*	ND	-
91-57-6	2-Methylnaphthalene	ND	-	620*	ND	-
88-74-4	2-Nitroaniline	ND	-	ND	ND	-
99-09-2	3-Nitroaniline	ND	-	ND	ND	-
100-01-6	4-Nitroaniline	ND	-	ND	ND	-
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
309-00-2	Aldrin	ND	-	ND	ND	-
60-57-1	Dieldrin	ND	-	ND	ND	-
57-74-9	Chlordane	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	ND	-	ND	ND	-
72-55-9	4,4'-DDE	ND	-	ND	ND	-
72-54-8	4,4'-DDD	ND	-	ND	ND	-
959-98-8	alpha-Endosulfan	ND	-	ND	ND	-
33213-65-9	beta-Endosulfan	ND	-	ND	ND	-
1031-07-8	Endosulfan sulfate	ND	-	ND	ND	-
72-20-8	Endrin	ND	-	ND	ND	-
7421-93-4	Endrin aldehyde	ND	-	ND	ND	-
76-44-8	Heptachlor	ND	-	ND	ND	-
1024-57-3	Heptachlor epoxide	ND	-	ND	ND	-
319-84-6	alpha-BHC	ND	-	ND	ND	-
319-85-7	beta-BHC	ND	-	ND	ND	-
58-89-9	gamma-BHC	ND	-	ND	ND	-
319-86-8	delta-BHC	ND	-	ND	ND	-
53469-21-9	PCB-1242	ND	-	ND	ND	-
11097-69-1	PCB-1254	ND	-	ND	ND	-
11104-28-2	PCB-1221	ND	-	ND	ND	-
11141-16-5	PCB-1232	ND	-	ND	ND	-
12672-29-6	PCB-1248	ND	-	ND	ND	-
11096-82-5	PCB-1260	ND	-	ND	ND	-
12674-11-2	PCB-1016	ND	-	ND	ND	-
8001-35-2	Toxaphene	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	740**	-	1400**	ND	-
1918-00-9	Dicamba	ND	-	ND	ND	-
7085-19-0	MCPP	ND	-	ND	ND	-
94-74-6	MCPA	ND	-	ND	ND	-
120-36-5	Dichloroprop (2,4-DP)	ND	-	ND	ND	-
94-75-7	2,4-D	220**	-	250**	ND	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	ND	-	ND	ND	-
94-82-6	2,4-DB	ND	-	ND	ND	-
88-85-7	Dinoseb (DNBP)	ND	-	ND	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	2.9	-	5.9	1.6	-
	Arsenic	9.2	-	14	8.0	-
	Beryllium	0.4	-	0.8	0.6	-
	Cadmium	1.4	-	1.8	1.5	-
	Chromium	17	-	30	9.5	-
	Copper	170	-	180	71	-
	Lead	14	-	44	3.1	-
	Mercury	1.1	-	11	0.5	-
	Nickel	45	-	16	10	-
	Selenium	<3	-	<0.3	<0.6	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Metals (Continued)</u>						
	Silver	0.47	-	0.28	0.23	-
	Thallium	<2	-	<2	<2	-
	Zinc	390	-	970	300	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	4.5	-	34	0.90	-
	Total Phenols	<1.0	-	1.93	2.2	-
<hr/> D255D-SW-1 to 9						



**BACKGROUND SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: HQ682 - RAYMOND BLVD.

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	

<u>BASE/NEUTRAL/ACIDS:</u>		
----	Unknown	6000 ug/Kg
----	Hydrocarbon	6000 ug/Kg
----	Hydrocarbon	6000 ug/Kg
----	Hydrocarbon	7000 ug/Kg
----	Unknown	5000 ug/kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.

BACKGROUND SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: H0683 - ROANOKE AVENUE

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	

<u>BASE/NEUTRAL/ACIDS:</u>		
----	Unknown	2000 ug/Kg
----	Unknown PNA	4000 ug/Kg
----	Unknown PNA	8000 ug/Kg
----	Hydrocarbon	10000 ug/Kg
----	Unknown	5000 ug/Kg

\*quantitated by direct peak height comparison to the nearest internal standard peak, assuming a response factor of 1.



BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

H-16

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	ND (0.17 ppb)	ND (0.27 ppb)	ND (0.77 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>				
71-43-2	Benzene	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloro-ethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro-ethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloro-ethene	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

H-17

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	48*	66	32*
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND
108-95-2	Phenol	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND
118-74-1	Hexachlorobenzene	110000	ND	620000
67-72-1	Hexachloroethane	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND
206-44-0	Fluoranthene	3500	2600	2800*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND
91-20-3	Naphthalene	ND	ND	480*
98-95-3	Nitrobenzene	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	670*	1700*	1700*
85-68-7	Butyl benzyl phthalate	840	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	200*
117-84-0	Di-N-octyl phthalate	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND
56-55-3	Benzo(A)anthracene	1900*	1500*	1900*
50-32-8	Benzo(A)pyrene	1200*	1400*	1500*
205-99-2	Benzo(B)fluor- anthene	2700*	2200	2700
207-08-9	Benzo(K)fluoranthene	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	3500	3200	3700
208-96-8	Acenaphthylene	300*	250*	610*
120-12-7	Anthracene	600*	ND	580*
191-24-2	Benzo(GHI)perylene	2300	1500*	2000
86-73-7	Fluorene	ND	ND	ND
85-01-	Phenanthrene	2800	1600*	1300*
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	1200*	1100*	1700*
129-00-0	Pyrene	1700*	1600*	1400*
62-53-3	Aniline	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	ND	200**	ND
72-55-9	4,4'-DDE	ND	32**	77**
72-54-8	4,4'-DDD	ND	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	1200**	ND	1700**
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	NDcamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	2.2	5.0	9.1
	Arsenic	4.6	10	9.0
	Beryllium	0.50	0.47	<0.2
	Cadmium	2.0	2.1	2.8
	Chromium	98	51	61
	Copper	311	156	127
	Lead	595	1700	1000
	Mercury	0.6	2	2.0
	Nickel	74	36	35
	Selenium	<0.3	<0.2	<0.3



BACKGROUND NEWARK SURFACE SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Metals (Continued)</u>				
	Silver	0.45	0.71	1.4
	Thallium	<2	<2	<2
	Zinc	828	488	428
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.78	1.08	2.9
	Total Phenols	<1	1	117

D255C-PRS-25.1 to 25.9

## BACKGROUND SOIL

## ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS

<u>Station or Location</u>	<u>Depth</u>	<u>VOA</u>	<u>B/N/A</u>	<u>Pesticide</u>	<u>Herbicide</u>
Harrison Ave.	Surface	Low	Low	Low	Low <sup>1</sup>
Raymond Blvc.	Surface	Low	Low	Low	Low <sup>1</sup>
Roanoke Ave.	Surface	Low	Low	Low	Low <sup>1</sup>
Sherwin-Williams	0-0.5'	Low	Low	Low <sup>2</sup>	Low
Sherwin-Williams	1-2'	Low	Low	Low <sup>3</sup>	Low
Sherwin-Williams	11-12.5'	Low	Low	Low <sup>2</sup>	Low

- 1 further diluted 1:5
- 2 further diluted 1:10
- 3 further diluted 1:20



APPENDIX I

APPENDIX I  
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## "LISTED BY DRUM NUMBER"

S O R T 1	S I T E C O D E	S A M P L E
0001	PP	Drum #1, PP, Solids crystals (purple)
0002	PP	Drum #2, PP, Crystals & Powder (purple)
0003	None	Drum #3, No markings, crystals & powder solids purple
0004	CQ ?	Drum #4, CQ ?, solid gray & white sludge
0005	CQ	Drum #5, CQ, White powder (solids)
0006	CQ	Drum #6, CQ, White crystalized powder
0007	CQ	Drum #7, CQ, White crystalized powder
0008	CQ	Drum #8, CQ, Crystalized white powder
0009	CQ	Drum #9, CQ, crystalized white powder
0010	CQ	Drum #10, crystalized white powder
0011	CQ	Drum #11, CQ, crystalized white powder
0012	CY	Drum #12, CY, white crystals
0013	CY	Drum #13, CY, white crystals
0014	CY	Drum #14, CY yellow & white crystals
0015	CY	Drum #15, CY, yellow & white crystals
0016	CQ Pt	Drum #16, CQ Part, gray & white crystals
0017	CY	Drum #17, CY, yellow liquid
0018		Drum #18, CY, white & yellow crystals
0018	CY	Drum #18, CY white & yellow crystals
0019	CY	Drum #19, CY, solids on top
0020	CY	Drum #20, CY, solids, yellow crystals
0021	CQ	Drum #21, CQ, yellow crystal powders
0021		Drum #21, CQ, yellow crystal powders
0022	CQ	Drum #22, CQ, white crystalized powder
0023	OB	Drum #23, OB, Brown crystalized solids
0024	CY	Drum #24, CY, brown & yellow crystals
0025	CY	Drum #25, CY, brown & yellow crystals
0026	CY	Drum #26, CY, brown & yellow crystal
0027	CY	Drum #27, CY, yellow & white crystals
0028	CY	Drum #28, CY, yellow & white crystals
0029	CY	Drum #29, CY, white & yellow crystal w/liquid(yellow)
0030	ZA	Drum #30, ZA, liquid (black)
0031	YO	Drum #31, YO, yellow liquid
0032	400	Drum #32, 400, yellow liquid
0033	400pt	Drum #33, 400 part, black & gold liquid
0034	400	Drum #34, 400, gold liquid
0035	23AA	Drum #35, 23AA, white cloudy liquid
0036	LL	Drum #36, LL, brown clay solids
0037	23AA	Drum #37, 23AA, brown sludge
0038	23AA	Drum #38, 23AA, clear yellow liquid
0039	23AA	Drum #39, 23AA, milky white liquid
0040		Drum #40, 23AA, milky liquid
0040	23AA	Drum #40, 23AA, milky liquid
0041	CZ	Drum #41, CZ, black liquid
0042	400	Drum #42, 400, clear gold liquid
0043	400	Drum #43, 400, gold clear liquid

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0044		Drum #44
0045		Drum #45
0046	400	Drum #46, 400, clear gold liquid
0047	400	Drum #47, 400, clear gold liquid
0048	400	Drum #48, 400, clear gold liquid
0049	400	Drum #49, 400, clear gold liquid
0050	400	Drum #50, 400, clear gold liquid
0051	400	Drum #51, 400, clear gold liquid
0052	400	Drum #52, 400, clear gold liquid
0053	400	Drum #53, 400, clear gold liquid
0054	400	Drum #54, 400, clear gold liquid
0055	400	Drum #55, 400 clear gold liquid
0056	400	Drum #56, 400, clear gold liquid
0057	400	Drum #57, 400, clear gold liquid with residue in bott
0058	400	Drum #58, 400, clear gold liquid
0059	400	Drum #59, 400, clear gold liquid
0060	400	Drum #60, 400, clear gold liquid
0061	400	Drum #61, 400, clear gold liquid
0062	400	Drum #62, 400, clear gold liquid
0063	400	Drum #63, 400, clear gold liquid
0064	400	Drum #64, 400, clear gold liquid
0065	400	Drum #65, 400, clear gold liquid
0065		Drum #65, 400, clear gold liquid
0066	400	Drum #66, 400, clear gold liquid
0067	400	Drum #67, 400, clear gold liquid
0068	400	Drum #68, 400, clear gold liquid
0069	400	Drum #69, 400, clear gold liquid
0070	400	Drum #70, 400, clear gold liquid
0071	400	Drum #71, 400, clear gold liquid
0072	A-1	Drum #72, A-1, sandy colored solid
0073	A-1	Drum #73, A-1, brown grain solids
0074	51T	Drum #74, 51T, white & pink thick liquid
0075	15T	Drum #75, 15T, pink thick liquid
0075		Drum #75, 15T, pink thick liquid
0076	15T	Drum #76, 15T, pink thick liquid
0077	15T	Drum #77, 15T, pink & white thick liquid
0078	15T	Drum #78, 15T, pink thick liquid
0079	15T	Drum #79, 15T, pink thick liquid
0080	LL	Drum #80, LL, clear liquid-white solids
0081	400	Drum #81, 400, clear gold liquid
0082	400	Drum #82, 400, clear gold liquid
0083	400	Drum #83, 400, clear gold liquid
0084	400	Drum #84, 400, clear gold liquid
0085	LL	Drum #85, LL, white crystal solids
0086	AI	Drum #86, AI, brown grain sand (solids)
0087	15T	Drum #87, 15T, pink & red thick liquid

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0088      15T Drum #88, 15T, pink & red thick liquid
0089      15T Drum #89, 15T, pink & red thick liquid
0090      15T Drum #90, 15T, pink & red thick liquid
0091      BB15T Drum #91, BB15T, full (liquid)red & pink liquid
0092      Drum #92
0093      Drum #93
0094      CYH20 Drum #94, CY H20, white crystals (solids)
0095      ZX Drum #95, ZX, dirt & debris
0096      ZT Drum #96, ZT, dirt & debris
0097      PP Drum #97, PP, red clay (solids)
0098      ZY Drum #98, ZY, dirt & debris
0099      ZT Drum #99, ZT, white powder & dirt
0100      ZT Drum #100, ZT, brown grain sand
0101      PP Drum #101, PP, brown & red sand crystals
0102      ZVcha Drum #102, ZV Char, thick carmel solid & liquid
0103      ZVcha Drum #103, ZV Char, brown solid (dirt)
0104      PP Drum #104, PP, red sand & white crystals
0105      PP Drum #105, PP, red sand & white crystals
0106      Pit Drum #106, Pit, dark brown liquid
0107      CZ Drum #107, CZ, dark clear liquid
0108      None Drum #108, No markings, clay absorbant (gray)
0109      CZ Drum #109, CZ, brown liquid
0110      CX Drum #110, CX, clear liquid (solvent)
0111      CZ Drum #111, CZ, dark brown liquid
0112      CZ Drum #112, CZ, dark brown liquid
0113      CZ Drum #113, CZ, dark brown liquid
0114      CZ Drum #114, CZ, dark brown liquid
0115      ZA Drum #115, ZA, black liquid
0116      AT Drum #116, AT, dark brown liquid
0117      ZA Drum #117, ZA, dark brown (liquid)
0118      CZ Drum #118, CZ, dark brown (liquid)
0119      CZ Drum #119, CZ, dark brown liquid
0119      Drum #119, CZ, dark brown liquid
0120      Konku Drum #120, Super Konkure Harris Chemical, golden liqu
0121      None Drum #121, No markings, dark liquid & solids
0122      CZ Drum #122, CZ, dark brown liquid
0123      CZ Drum #123, CZ, dark brown liquid
0124      CZH2O Drum #124, CZ & H2O, dark brown liquid
0125      Para Drum #125, Liquido Paepot Para Ptopor, black liquid
0126      PP Drum #126, PP, red sand & dirt solids
0127      BB Drum #127, BB, cloudy white liquid
0128      21Y Drum #128, 21Y, black thick liquid
0129      21Y Drum #129, 21Y, white paste
0130      21Y Drum #130, 21Y, white paste (solids)
0131      21Y Drum #131, 21Y, white paste
0132      21Y Drum #132, 21Y, white paste (solids)

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0133	21Y	Drum #133,	21Y,	white paste
0134	21Y	Drum #134,	21Y,	white paste
0135	21Y	Drum #135,	21Y,	white paste
0136	21Y	Drum #136,	21Y,	white paste
0137	21Y	Drum #137,	21Y,	white paste
0138	CX	Drum #138,	CX,	dark liquid
0139	BB	Drum #139,	BB,	white cloudy liquid (thick)
0140	21Y	Drum #140,	21Y,	thick white paste
0141	21Y	Drum #141,	21Y,	thick white paste
0142	21Y	Drum #142,	21Y,	thick white paste
0143	21Y	Drum #143,	21Y,	thick white paste
0144	21Y	Drum #144,	21Y,	thick white paste
0145	21Y	Drum #145,	21Y,	thick white paste
0146	21Y	Drum #146,	21Y,	thick white paste
0147	21Y	Drum #147,	21Y,	thick white paste
0148	21Y	Drum #148,	21Y,	thick white paste
0149	21Y	Drum #149,	21Y,	thick white paste
0150	CX	Drum #150,	CX,	pink liquid
0151	21Y	Drum #151,	21Y,	thick white paste
0152	21Y	Drum #152,	21Y,	thick white paste
0153	21Y	Drum #153,	21Y,	thick white paste
0154	21Y	Drum #154,	21Y,	thick white paste
0155	21Y	Drum #155,	21Y,	very thick white paste
0156	21Y	Drum #156,	21Y,	thick white paste
0157	21Y	Drum #157,	21Y,	thick white paste
0158	21Y	Drum #158,	21Y,	thick white paste
0159	21Y	Drum #159,	21Y,	thick white paste
0160	21Y	Drum #160,	21Y,	thick white paste
0161	21Y	Drum #161,	21Y,	thick white paste
0162		Drum #162,	CX,	golden liquid
0162	CX	Drum #162,	CX,	golden liquid
0163	21Y	Drum #163,	21Y,	thick white paste
0164	22Y	Drum #164,	21Y,	thick white paste
0165	21Y	Drum #165,	21Y,	thick white paste
0166	21Y	Drum #166,	21Y,	thick white paste
0167	21Y	Drum #167,	21Y,	thick white paste
0168	21Y	Drum #168,	21Y,	thick white paste
0169	21Y	Drum #169,	21Y,	thick white paste
0170	21Y	Drum #170,	21Y,	thick white paste
0171	21Y	Drum #171,	21Y,	thick white paste
0172	21Y	Drum #172,	21Y,	thick white paste
0173	CZ	Drum #173,	CZ,	black liquid
0174		Drum #174,	21Y,	thick white paste
0174	21Y	Drum #174,	21Y,	thick white paste
0175	21Y	Drum #175,	21Y,	thick white paste
0176	21Y	Drum #176,	21Y,	thick white paste

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0176                               Drum #176, 21Y, thick white paste
0177      21Y Drum #177, 21Y, thick white paste
0178      21Y Drum #178, 21Y, thick white paste
0179      21Y Drum #179, 21Y, thick white paste
0180      21Y Drum #180, 21Y, thick white paste
0181      21Y Drum #181, 21Y, thick white paste
0182      21Y Drum #182, 21Y, very thick white paste
0183      QQ  Drum #183, QQ, pink & red liquid
0183      QQ  Drum #183, QQ, pink & red liquid
0184      QQ  Drum #184, QQ, red & pink liquid
0185      QQ  Drum #185, QQ, red & pink liquid
0186      QQ  Drum #186, QQ, red & pink liquid
0187      21Y Drum #187, 21Y, thick white paste
0188      21Y Drum #188, 21Y, thick white paste
0189      21Y Drum #189, 21Y, thick white paste
0190      21Y Drum #190, 21Y, thick white paste
0191      QQ  Drum #191, QQ, red & pink liquid
0192      QQ  Drum #192, QQ, red & pink liquid
0193      21Y Drum #193, 21Y, thick white paste
0194      QQ  Drum #194, QQ, red & pink liquid
0195      QQ  Drum #195, QQ, pink & red liquid
0196      QQ  Drum #196, QQ, pink thick liquid
0197      BB  Drum #197, BB, clear liquid with white solids
0198      QQ  Drum #198, QQ, red liquid
0199      QQ  Drum #199, QQ, red & pink liquid
0200      QQ  Drum #200, QQ, red & pink liquid
0201      21Y Drum #201, 21Y, thick white paste
0202      21Y Drum #202, 21Y, thick white paste
0203      21Y Drum #203, 21Y, thick white paste
0204      21Y Drum #204, 21Y, thick white paste
0205      21Y Drum #205, 21Y, thick white paste
0206      BB  Drum #206, BB, clear liquid
0207      BB  Drum #207, BB, clear liquid & white solids
0208      QQ  Drum #208, QQ, red & pink liquid
0209      QQ  Drum #209, QQ, pink & red liquid
0210      21Y Drum #210, 21Y, thick white paste
0211      21Y Drum #211, 21Y, thick white paste
0212      21Y Drum #212, 21Y, thick white paste
0213      21Y Drum #213, 21Y, thick white paste
0214      21Y Drum #214, 21Y, thick white paste
0215      BB  Drum #215, BB, clear liquid & white solids
0216      BB  Drum #216, BB, clear liquid & white solids
0217      21Y Drum #217, 21Y, thick white paste
0218      BB  Drum #218, BB, clear liquid & white solids
0219      BB  Drum #219, BB, clear liquid & white solids
0220      BB  Drum #220, BB, clear liquid & white solids

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0221      BB      Drum #221, BB, clear liquid & white solids
0222      BB      Drum #222, BB, clear liquid & white solids
0223      BB      Drum #223, BB, clear liquid & white solids
0224      BB      Drum #224, BB, clear liquid & white solids
0225      21Y     Drum #225, 21Y, thick white paste
0226      BB      Drum #226, BB, clear liquid & white solids
0227      BB      Drum #227, BB, clear liquid & white solids
0228      BB      Drum #228, BB, clear liquid & white solids
0229      BB      Drum #229, BB, clear liquid & white solids
0230      BB      Drum #230, BB, clear liquid & white solids
0230      BB      Drum #230, BB, clear liquid & white solids
0231      BB      Drum #231, BB, clear liquid & white solids
0232      BB      Drum #232, BB, clear liquid & white solids
0233      BB      Drum #233, BB, white solids
0234      BR      Drum #234, BB, white solids
0235      BB      Drum #235, BB, white solids
0236      BB      Drum #236, BB, white solids
0237      BB      Drum #237, BB, white solids
0238      BB      Drum #238, BR, white solids
0239      BB      Drum #239, BB, white solids
0240      BB      Drum #240, BB, white solids with crystals
0241      BB      Drum #241, BB, white solids
0242      PP      Drum #242, PP, brown crystalized solids
0243      X       Drum #243, X, black powder
0244      X       Drum #244, X, dirt & trash solids
0245      CX"S"   Drum #245, CX "S", clear crystal
0246      CX"S"   Drum #246, CX "S", black & red solids
0247      CX"S"   Drum #247, CX "S", no description
0248      CX"S"   Drum #248, CX "S", clear crystals solids
0249      ZB      Drum #249, ZB, gray pellets & dirt
0250      ZBSS   Drum #250, ZB sump sludge, brown sludge & liquid
0251      ZB      Drum #251, ZB, brown sludge & water
0251      ZB      Drum #251, ZB, brown sludge & water
0252      ZB      Drum #252, ZB, brown dirt sludge
0253      ZB      Drum #253, ZB, brown (solid)
0254      ZB      Drum #254, ZB, dry solids (brown)
0255      ZT      Drum #255, ZT, black liquid (oil)
0256      ZB      Drum #256, ZB, brown dirt
0257      ZB      Drum #257, ZB, water & trash
0258      ZB      Drum #258, ZB, trash (solids)
0259      ZBSS   Drum #259, ZB sump sludge, brown solids
0260      ZB      Drum #260, ZB, water & solids (brown)
0261      ZB      Drum #261, ZB, brown dirt solids
0262      ZB      Drum #262, ZB, brown solids (sand)
0263      ZZ      Drum #263, ZZ, clear liquid
0264      ZB      Drum #264, ZB, brown sand solids

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0265      ZB      Drum #265, ZB, brown sand solids
0266      ZB      Drum #266, ZB, brown liquid
0267      ZB      Drum #267, ZB, brown solids (sand)
0268      ZB      Drum #268, ZB, brown sludge & water
0269      ZB      Drum #269, ZB, brown solid (dirt & water)
0270      ZB      Drum #270, ZB, gray & brown solids
0271      ZB      Drum #271, ZB, gray & brown solids
0272      ZB      Drum #272, ZB, brown solids with water
0273      ZD      Drum #273, ZD, golden liquid (oil)
0274      ZD      Drum #274, ZD, black & brown solids
0275      ZB      Drum #275, ZB, brown & gray solids
0276      ZB      Drum #276, ZB, black & brown sludge
0277      ZB      Drum #277, ZB, trash & sludge
0278      ZB      Drum #278, ZB, brown & gray solids
0279      ZE      Drum #279, ZE, black (liquid)
0280      ZB      Drum #280, ZB, red & pink solids
0281      ZB      Drum #281, ZB, golden liquid with solids
0282      ZF      Drum #282, ZF, golden liquid (oil)
0283      ZB      Drum #283, ZB, brown & gray solids
0284      ZB      Drum #284, ZB, water & black sludge
0285      None    Drum #285, no markings, golden liquid
0286      None    Drum #286, no markings, clear liquid
0287      ZN      Drum #287, ZN, golden liquid
0288      ZL23    Drum #288, ZL23, dark liquid (oil)
0289      ZL      Drum #289, ZL, red liquid
0290      ZQ      Drum #290, ZQ, gray powder solids
0291      ZQ      Drum #291, ZQ
0292      ZB      Drum #292, ZB, liquid (black) and solids
0293      ZM      Drum #293, ZM, pink liquid
0294      ZL      Drum #294, ZL, black liquid
0295      ZK      Drum #295, ZK, golden liquid (oil)
0296      ZJ      Drum #296, ZJ, clear crystals (rock salt)
0297      ZH      Drum #297, ZH, golden liquid
0298      ZI      Drum #298, ZI, thick golden liquid
0299      ZB      Drum #299, ZB, wood & trash with dirt
0300      Pit    Drum #300, Pit, clear liquid
0301      Pit    Drum #301, Pit, clear liquid
0302      Pit    Drum #302, Pit, clear liquid
0303      Pit    Drum #303, Pit, clear liquid
0304      Pit    Drum #304, Pit, clear liquid
0305      Pit    Drum #305, Pit, clear liquid
0305      Pit    Drum #305, Pit, clear liquid
0306      Pit    Drum #306, Pit, clear liquid
0307      Pit    Drum #307, Pit, black liquid
0308      JJ      Drum #308, JJ, thick orange liquid
0309      9K      Drum #309, 9K, gold & brown crystal solids

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0310      9K      Drum #310, 9K, black crystal solids
0311      9K      Drum #311, 9K, dark brown crystals
0312      9K      Drum #312, 9K, dark brown crystals
0313      9K      Drum #313, 9K, brown sludge
0314      9K      Drum #314, 9K, dark brown crystals
0314      9K      Drum #314, 9K, dark brown crystals
0315      JJ      Drum #315, JJ, brown & white crystals
0316      JJ      Drum #316, JJ, soil & gravel
0317      JJ      Drum #317, JJ, clear liquid
0318      CC      Drum #318, CC, white sand
0319      Pit     Drum #319, Pit, clear liquid
0320      JJ      Drum #320, JJ, orange liquid
0321      JJ      Drum #321, JJ, thick white paste
0322      NN      Drum #322, NN, water & solids (trash)
0323      JJ      Drum #323, JJ, thick white paste
0324      NN      Drum #324, NN, thick white paste
0325      NN      Drum #325, NN, black sludge
0326      JJ      Drum #326, JJ, brown (tan) sandish
0327      CC      Drum #327, CC, brown crystals
0328      None    Drum #328, No markings, brown clear liquid
0329      18W     Drum #329, 18W, clear liquid
0330      18W     Drum #330, 18W, clear liquid
0331      18W     Drum #331, 18W, clear liquid
0332      18W     Drum #332, 18W, clear liquid
0333      NN      Drum #333, NN, clear liquid with white sludge
0334      NN      Drum #334, NN, tan silt
0335      18W     Drum #335, 18W, clear liquid
0336      18W     Drum #336, 18W, clear liquid
0337      18W     Drum #337, 18W, clear
0338      18W     Drum #338, 18W, clear liquid
0339      18W     Drum #339, 18W, clear liquid
0340      18W     Drum #340, 18W, clear liquid
0341      LL      Drum #341, LL, brown chunks (crystals)
0342      18W     Drum #342, 18W, clear liquid
0343      18W     Drum #343, 18W, clear liquid
0344      18W     Drum #344, 18W, clear liquid
0345      JJ      Drum #345, JJ, brown liquid & white solids
0346      JJ      Drum #346, JJ, white paste
0347      JJ/LL   Drum #347, 1/2 JJ & 1/2 LL, brownish gray sand
0348      JJ      Drum #348, JJ, white solid
0349      LL      Drum #349, LL, brown sand
0350      JJ      Drum #350, JJ, brown watery liquid with sand
0351      JJ      Drum #351, JJ, clear liquid
0352      JJ      Drum #352, JJ, clear liquid with crusty solid bottom
0353      JJ      Drum #353, JJ, reddish clear liquid
0354      18W     Drum #354, 18W, clear liquid

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0355      18W  Drum #355, 18W, clear liquid
0356      18W  Drum #356, 18W, clear liquid
0357      JJ   Drum #357, JJ, yellow liquid with solids
0358      18W  Drum #358, 18W, clear liquid
0359      18W  Drum #359, 18W, clear liquid
0360      18W  Drum #360, 18W, clear liquid
0361      18W  Drum #361, 18W, clear liquid
0362      18W  Drum #362, 18W, clear liquid
0363      18W  Drum #363, 18W
0364      18W  Drum #364, 18W, clear liquid
0365      18W  Drum #365, 18W, clear liquid
0366      NN   Drum #366, NN, clear liquid
0367      18W  Drum #367, 18W, clear liquid
0368      NN   Drum #368, NN, clear liquid
0369      18W  Drum #369, 18W, clear liquid
0370      18W  Drum #370, 18W, clear liquid
0371      18W  Drum #371, 18W, clear liquid
0372      18W  Drum #372, 18W, clear liquid
0373      18W  Drum #373, 18W, clear liquid
0374      18W  Drum #374, 18W, clear liquid
0375      Drum #375
0376      Drum #376
0377      Drum #377
0378      Drum #378
0379      Drum #379
0380      Drum #380
0381      Drum #381
0382      Drum #382
0383      Drum #383
0384      ZOX  Drum #384, ZOX, clear liquid
0385      ZOX  Drum #385, ZOX, clear
0386      None Drum #386, can't read, clear liquid
0387      18W  Drum #387, 18W, clear liquid
0388      18W  Drum #388, 18W, clear liquid (rusty)
0388      Drum #388, 18W, clear liquid (rusty)
0389      18W  Drum #389, clear liquid
0390      JJ   Drum #390, JJ, golden liquid
0391      JJ   Drum #391, JJ, golden liquid
0392      JJ   Drum #392, JJ, golden liquid
0392      Drum #392, JJ, golden liquid
0393      JJ   Drum #393, JJ, golden liquid with solids
0394      JJ   Drum #394, JJ, golden liquid
0395      JJ   Drum #395, JJ, gold liquid
0396      ZOX  Drum #396, ZOX, brown dirty liquid
0397      18W  Drum #397, 18W, clear liquid
0398      JJ   Drum #398, JJ, golden liquid

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0399      JJ      Drum #399, JJ, golden liquid
0400      JJ      Drum #400, JJ, golden liquid
0401      JJ      Drum #401, JJ, golden liquid
0402      JJ      Drum #402, JJ, rusty liquid (brown)
0403      JJ      Drum #403, golden liquid
0404      JJ      Drum #404, JJ, golden liquid
0405      18W     Drum #405, 18W, clear liquid
0406      BB      Drum #406, BB, dirt & debris solids
0407      JJ      Drum #407, JJ, gold, rusty liquid
0408      JJ      Drum #408, JJ, rusty liquid with solids
0409      JJ      Drum #409, JJ, golden liquid
0410      JJ      Drum #410, JJ, golden liquid
0411      JJ      Drum #411, JJ, golden liquid
0412      JJ      Drum #412, JJ, golden liquid
0413      JJ      Drum #413, JJ, golden liquid with white solids
0414      18W     Drum #414, 18W, clear liquid
0415      21Y     Drum #415, 21Y, thick white paste
0416      22Z     Drum #416, 22Z, very thick white paste
0417      22Z     Drum #417, 22Z, thick white paste
0418      22Z     Drum #418, 22Z, thick white paste
0419      21Y     Drum #419, 21Y, thick white liquid
0420      21Y     Drum #420, 21Y, thick white paste
0421      21Y     Drum #421, 21Y, thick white paste
0422      21Y     Drum #422, 21Y, thick white paste
0423      21Y     Drum #423, 21Y, thick white paste
0424      21Y     Drum #424, 21Y, thick white paste
0425      JJ      Drum #425, thick white paste
0426      21Y     Drum #426, 21Y, thick white solids
0427      22Z     Drum #427, 22Z, red liquid & white solids
0428      21Y     Drum #428, 21Y, thick white paste
0429      21Y     Drum #429, 21Y, thick white paste
0430      21Y     Drum #430, 21Y, thick white paste
0431      21Y     Drum #431, 21Y, thick white paste
0432      22Z     Drum #432, 22Z, clear liquid with solids
0433      JJ      Drum #433
0434      JJ      Drum #434, JJ, golden liquid
0435      JJ      Drum #435, JJ, orange liquid with white solids
0436      NN      Drum #436, NN, white solids
0437      NN      Drum #437, NN, white solids
0438      NN      Drum #438, NN, white solids
0438      NN      Drum #438, NN, white solids
0439      NN      Drum #439, NN, white solids
0440      NN      Drum #440, NN, white solids
0441      NN      Drum #441, NN, white solids
0442      21Y     Drum #442, 21Y, thick white paste
0443      21Y     Drum #443, 21Y, thick white paste

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0444      21Y  Drum #444, 21Y, thick white paste
0445      21Y  Drum #445, 21Y, thick white paste
0446      DD   Drum #446, DD, white powder
0447      DD   Drum #447, DD, white powder
0448      DD   Drum #448, DD, white powder
0449      DD   Drum #449, DD, white powder
0450      DD   Drum #450, DD, white powder
0450      DD   Drum #450, DD, white powder
0451      21Y  Drum #451, 21Y, white powder
0452      DD   Drum #452, DD, white powder
0453      DD   Drum #453, DD, white powder
0454      DD   Drum #454, DD, white powder
0455      DD   Drum #455, DD, white powder
0456      DD   Drum #456, DD, white powder
0457      21Y  Drum #457, 21Y, thick white paste
0458      DD   Drum #458, S, brown liquid
0458      S    Drum #458, S, brown liquid
0459      S    Drum #459, S, clear thick liquid
0460      DD   Drum #460, DD, white powder
0461      21Y  Drum #461, 21Y, thick white paste
0462      S    Drum #462, S, black thick liquid
0463      BO   Drum #463, BO, clear liquid
0464      None  Drum #464, No Markings, clear liquid
0465      21Y  Drum #465, 21Y, thick white paste
0466      S    Drum #466, S, brown liquid
0467      DD   Drum #467
0468      BO   Drum #468, BO, clear liquid
0469      BO   Drum #469, BO, clear liquid
0470      Pit 3 Drum #470, Pit 3, clear liquid w/ brown sludge
0471      Pit 3 Drum #471, Pit 3, clear liquid
0472      Pit 3 Drum #472, Pit 3, clear liquid
0473      Pit 3 Drum #473, Pit 3, clear liquid
0474      Pit 3 Drum #474, Pit 3, clear liquid
0475      Pit 3 Drum #475, Pit 3, clear liquid
0476      Pit 3 Drum #476, Pit 3, clear liquid with solids
0477      Pit 3 Drum #477, Pit 3, brown solid
0478      Pit 3 Drum #478, Pit 3, dark sand
0479      Pit 3 Drum #479, Pit 3, sludge
0480      PP   Drum #480, PP, sludge
0481      PI3  Drum #481, PI3, dark sand
0482      Pit 3 Drum #482, Pit 3, clear liquid
0483      Pit 3 Drum #483, Pit 3, dark sand
0484      Pit 3 Drum #484, Pit 3, sudge dark
0485      Pit 3 Drum #485, Pit 3, dark sludge
0486      Pit 3 Drum #486, Pit 3, dark sludge
0487      Pit 3 Drum #487, Pit 3, black sludge

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0488      Pit 3 Drum #488, Pit 3, dark sand sludge
0489      XXX  Drum #489, XXX, dirt & trash
0490      PP   Drum #490, PP, pink crystal chunks
0491      PP   Drum #491, PP, pink crystal chunks
0492      PP   Drum #492, PP, dark liquid w/ solids
0492      Drum #492, PP, dark liquid w/solids
0493      PP   Drum #493, PP, pink liquid w/ solids
0494      PP   Drum #494, PP, pink solids w/ liquid
0495      PP   Drum #495, PP, pink crystal solids
0496      Drum #496
0497      PP   Drum #497, PP, brown & pink crystal solids
0498      None Drum #498, No markings, dark sludge
0499      Pit  Drum #499, Pit, dark black sludge
0500      Pit 3 Drum #500, Pit 3, dry grain solids
0501      Pit 3 Drum #501, Pit 3, dark black sludge
0502      Pit 3 Drum #502, Pit 3, clear liquid w/pink solids
0503      Pit 3 Drum #503, Pit 3, black solid w/ water
0504      Pit 3 Drum #504, Pit 3, black solids w/ water
0505      Pit 3 Drum #505, Pit 3, dark solids w/ water
0506      Pit 3 Drum #506, Pit 3, dark solids w/ water
0507      Pit 3 Drum #507, Pit 3, dark solid w/ water
0508      Pit 3 Drum #508, Pit 3, dark solids w/ liquid
0509      Pit 3 Drum #509, Pit 3, dark brown solid w/ water
0510      Pit 3 Drum #510, Pit 3, clear liquid
0511      Pit 3 Drum #511, Pit 3, dark solids w/ water
0512      Pit 3 Drum #512, Pit 3, clear liquid
0513      Pit 3 Drum #513, Pit 3, dark solids w/ water
0514      Pit 3 Drum #514, Pit 3, dark solids (dry)
0515      Pit 3 Drum #515, Pit 3, dark solid w/ water
0516      Pit 3 Drum #516, Pit 3, dark solids (dry)
0517      Pit 3 Drum #517, Pit 3, dark solids w/ water
0518      Pit 3 Drum #518, Pit 3, clear liquid
0519      Pit 3 Drum #519, Pit 3, clear liquid
0520      Pit 3 Drum #520, Pit 3, clear liquid
0521      Pit 3 Drum #521, Pit 3, clear liquid
0522      Pit 3 Drum #522, Pit 3, clear liquid
0523      Pit 3 Drum #523, Pit 3, clear liquid
0524      Pit 3 Drum #524, Pit 3, clear liquid
0525      Pit 3 Drum #525, Pit 3, clear liquid
0526      Pit 3 Drum #526, Pit 3, clear liquid
0527      Pit 3 Drum #527, Pit 3, clear liquid
0528      Pit 3 Drum #528, Pit 3, clear liquid
0529      Pit 3 Drum #529, Pit 3, clear liquid
0530      Pit 3 Drum #530, Pit 3, clear liquid
0531      Pit 3 Drum #531, Pit 3, clear liquid
0532      Pit 3 Drum #532, Pit 3, clear liquid

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0533      Pit 3 Drum #533, Pit 3, clear liquid
0534      Drum #534
0535      Drum #535
0536      Pit 3 Drum #536, Pit 3, clear liquid
0537      Pit 3 Drum #537, Pit 3, clear liquid w/ dark solids
0538      Pit 3 Drum #538, Pit 3, clear liquid
0539      Pit 3 Drum #539, Pit 3, clear liquid
0540      Pit 3 Drum #540, Pit 3, clear liquid
0541      Pit 3 Drum #541, Pit 3, clear liquid
0542      Pit 3 Drum #542, Pit 3, clear liquid
0543      Pit 3 Drum #543, Pit 3, dark solids w/ liquid
0544      Pit 3 Drum #544, Pit 3, dark solids
0545      Pit 3 Drum #545, Pit 3, dark solids
0546      Pit 3 Drum #546, Pit 3, brown solids (dirt)
0547      Pit 3 Drum #547, Pit 3, clear liquid
0548      Pit 3 Drum #548, Pit 3, clear liquid
0549      Pit 3 Drum #549, Pit 3, clear liquid
0550      Pit 3 Drum #550, Pit 3, clear liquid
0551      Pit 3 Drum #551, Pit 3, clear liquid
0552      Pit 3 Drum #552, Pit 3, clear liquid
0553      Drum #553
0554      Pit 3 Drum #554, Pit 3, clear liquid
0554      Drum #554, Pit 3, clear liquid
0555      Pit 3 Drum #555, Pit 3, clear liquid
0556      Pit 3 Drum #556, Pit 3, clear liquid
0557      Pit 3 Drum #557, Pit 3, dark solid w/ water
0558      Drum #558, Pit 3, dark sludge w/water
0558      Pit 3 Drum #558, Pit 3, dark sludge w/ water
0559      Pit 3 Drum #559, Pit 3, clear liquid
0560      Pit 3 Drum #560, Pit 3, clear liquid
0561      Pit 3 Drum #561, Pit 3, clear liquid
0562      Pit 3 Drum #562, Pit 3, clear liquid
0563      Pit 3 Drum #563, Pit 3, clear liquid
0564      Pit 3 Drum #564, Pit 3, clear liquid
0565      Pit 3 Drum #565, Pit 3, clear liquid
0566      Pit 3 Drum #566, Pit 3, clear liquid w/ green solids
0567      Pit 3 Drum #567, Pit 3, clear liquid
0568      Pit 3 Drum #568, Pit 3, clear liquid
0569      Pit 3 Drum #569, Pit 3, clear liquid
0570      Pit 3 Drum #570, Pit 3, clear liquid
    
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0379      Drum #379
0092      Drum #92
0553      Drum #553
0065      Drum #65, 400, clear gold liquid
0433      Drum #433
0314      Drum #314, 9K, dark brown crystals
0040      Drum #40, 23AA, milky liquid
0388      Drum #388, 18W, clear liquid (rusty)
0554      Drum #554, Pit 3, clear liquid
0380      Drum #380
0230      Drum #230, BB, clear liquid & white solids
0438      Drum #438, NN, white solids
0558      Drum #558, Pit 3, dark sludge w/water
0021      Drum #21, CQ, yellow crystal powders
0093      Drum #93
0496      Drum #496
0376      Drum #376
0044      Drum #44
0305      Drum #305, Pit, clear liquid
0492      Drum #492, PP, dark liquid w/solids
0534      Drum #534
0174      Drum #174, 21Y, thick white paste
0382      Drum #382
0383      Drum #383
0458      Drum #458, S, brown liquid
0045      Drum #45
0377      Drum #377
0467      Drum #467
0176      Drum #176, 21Y, thick white paste
0425      Drum #425, thick white paste
0018      Drum #18, CY, white & yellow crystals
0375      Drum #375
0450      Drum #450, DD, white powder
0403      Drum #403, golden liquid
0119      Drum #119, CZ, dark brown liquid
0075      Drum #75, 15T, pink thick liquid
0535      Drum #535
0183      Drum #183, QQ, pink & red liquid
0392      Drum #392, JJ, golden liquid
0162      Drum #162, CX, golden liquid
0381      Drum #381
0378      Drum #378
0251      Drum #251, ZB, brown sludge & water
15T 0076      Drum #76, 15T, pink thick liquid
15T 0078      Drum #78, 15T, pink thick liquid
15T 0087      Drum #87, 15T, pink & red thick liquid
    
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15T 0090 Drum #90, 15T, pink & red thick liquid
15T 0077 Drum #77, 15T, pink & white thick liquid
15T 0079 Drum #79, 15T, pink thick liquid
15T 0075 Drum #75, 15T, pink thick liquid
15T 0089 Drum #89, 15T, pink & red thick liquid
15T 0088 Drum #88, 15T, pink & red thick liquid
18W 0370 Drum #370, 18W, clear liquid
18W 0388 Drum #388, 18W, clear liquid (rusty)
18W 0389 Drum #389, clear liquid
18W 0335 Drum #335, 18W, clear liquid
18W 0342 Drum #342, 18W, clear liquid
18W 0372 Drum #372, 18W, clear liquid
18W 0405 Drum #405, 18W, clear liquid
18W 0336 Drum #336, 18W, clear liquid
18W 0330 Drum #330, 18W, clear liquid
18W 0354 Drum #354, 18W, clear liquid
18W 0362 Drum #362, 18W, clear liquid
18W 0331 Drum #331, 18W, clear liquid
18W 0373 Drum #373, 18W, clear liquid
18W 0367 Drum #367, 18W, clear liquid
18W 0329 Drum #329, 18W, clear liquid
18W 0414 Drum #414, 18W, clear liquid
18W 0387 Drum #387, 18W, clear liquid
18W 0371 Drum #371, 18W, clear liquid
18W 0397 Drum #397, 18W, clear liquid
18W 0337 Drum #337, 18W, clear
18W 0343 Drum #343, 18W, clear liquid
18W 0356 Drum #356, 18W, clear liquid
18W 0374 Drum #374, 18W, clear liquid
18W 0364 Drum #364, 18W, clear liquid
18W 0339 Drum #339, 18W, clear liquid
18W 0344 Drum #344, 18W, clear liquid
18W 0361 Drum #361, 18W, clear liquid
18W 0340 Drum #340, 18W, clear liquid
18W 0338 Drum #338, 18W, clear liquid
18W 0332 Drum #332, 18W, clear liquid
18W 0369 Drum #369, 18W, clear liquid
18W 0358 Drum #358, 18W, clear liquid
18W 0363 Drum #363, 18W
18W 0355 Drum #355, 18W, clear liquid
18W 0365 Drum #365, 18W, clear liquid
18W 0360 Drum #360, 18W, clear liquid
18W 0359 Drum #359, 18W, clear liquid
21Y 0225 Drum #225, 21Y, thick white paste
21Y 0415 Drum #415, 21Y, thick white paste
21Y 0422 Drum #422, 21Y, thick white paste
    
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21Y	0175	Drum #175, 21Y, thick white paste
21Y	0153	Drum #153, 21Y, thick white paste
21Y	0457	Drum #457, 21Y, thick white paste
21Y	0169	Drum #169, 21Y, thick white paste
21Y	0148	Drum #148, 21Y, thick white paste
21Y	0181	Drum #181, 21Y, thick white paste
21Y	0461	Drum #461, 21Y, thick white paste
21Y	0137	Drum #137, 21Y, white paste
21Y	0212	Drum #212, 21Y, thick white paste
21Y	0189	Drum #189, 21Y, thick white paste
21Y	0128	Drum #128, 21Y, black thick liquid
21Y	0170	Drum #170, 21Y, thick white paste
21Y	0147	Drum #147, 21Y, thick white paste
21Y	0152	Drum #152, 21Y, thick white paste
21Y	0171	Drum #171, 21Y, thick white paste
21Y	0423	Drum #423, 21Y, thick white paste
21Y	0154	Drum #154, 21Y, thick white paste
21Y	0156	Drum #156, 21Y, thick white paste
21Y	0217	Drum #217, 21Y, thick white paste
21Y	0160	Drum #160, 21Y, thick white paste
21Y	0451	Drum #451, 21Y, white powder
21Y	0421	Drum #421, 21Y, thick white paste
21Y	0165	Drum #165, 21Y, thick white paste
21Y	0129	Drum #129, 21Y, white paste
21Y	0172	Drum #172, 21Y, thick white paste
21Y	0443	Drum #443, 21Y, thick white paste
21Y	0193	Drum #193, 21Y, thick white paste
21Y	0132	Drum #132, 21Y, white paste (solids)
21Y	0210	Drum #210, 21Y, thick white paste
21Y	0428	Drum #428, 21Y, thick white paste
21Y	0211	Drum #211, 21Y, thick white paste
21Y	0424	Drum #424, 21Y, thick white paste
21Y	0431	Drum #431, 21Y, thick white paste
21Y	0426	Drum #426, 21Y, thick white solids
21Y	0166	Drum #166, 21Y, thick white paste
21Y	0420	Drum #420, 21Y, thick white paste
21Y	0142	Drum #142, 21Y, thick white paste
21Y	0445	Drum #445, 21Y, thick white paste
21Y	0429	Drum #429, 21Y, thick white paste
21Y	0190	Drum #190, 21Y, thick white paste
21Y	0149	Drum #149, 21Y, thick white paste
21Y	0419	Drum #419, 21Y, thick white liquid
21Y	0182	Drum #182, 21Y, very thick white paste
21Y	0187	Drum #187, 21Y, thick white paste
21Y	0214	Drum #214, 21Y, thick white paste
21Y	0442	Drum #442, 21Y, thick white paste

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21Y	0136	Drum #136, 21Y, white paste
21Y	0140	Drum #140, 21Y, thick white paste
21Y	0130	Drum #130, 21Y, white paste (solids)
21Y	0135	Drum #135, 21Y, white paste
21Y	0131	Drum #131, 21Y, white paste
21Y	0178	Drum #178, 21Y, thick white paste
21Y	0155	Drum #155, 21Y, very thick white paste
21Y	0174	Drum #174, 21Y, thick white paste
21Y	0188	Drum #188, 21Y, thick white paste
21Y	0444	Drum #444, 21Y, thick white paste
21Y	0168	Drum #168, 21Y, thick white paste
21Y	0179	Drum #179, 21Y, thick white paste
21Y	0176	Drum #176, 21Y, thick white paste
21Y	0465	Drum #465, 21Y, thick white paste
21Y	0157	Drum #157, 21Y, thick white paste
21Y	0159	Drum #159, 21Y, thick white paste
21Y	0161	Drum #161, 21Y, thick white paste
21Y	0134	Drum #134, 21Y, white paste
21Y	0177	Drum #177, 21Y, thick white paste
21Y	0145	Drum #145, 21Y, thick white paste
21Y	0201	Drum #201, 21Y, thick white paste
21Y	0213	Drum #213, 21Y, thick white paste
21Y	0430	Drum #430, 21Y, thick white paste
21Y	0141	Drum #141, 21Y, thick white paste
21Y	0163	Drum #163, 21Y, thick white paste
21Y	0158	Drum #158, 21Y, thick white paste
21Y	0203	Drum #203, 21Y, thick white paste
21Y	0205	Drum #205, 21Y, thick white paste
21Y	0167	Drum #167, 21Y, thick white paste
21Y	0146	Drum #146, 21Y, thick white paste
21Y	0133	Drum #133, 21Y, white paste
21Y	0204	Drum #204, 21Y, thick white paste
21Y	0180	Drum #180, 21Y, thick white paste
21Y	0202	Drum #202, 21Y, thick white paste
21Y	0151	Drum #151, 21Y, thick white paste
21Y	0143	Drum #143, 21Y, thick white paste
21Y	0144	Drum #144, 21Y, thick white paste
22Y	0164	Drum #164, 21Y, thick white paste
22Z	0418	Drum #418, 22Z, thick white paste
22Z	0427	Drum #427, 22Z, red liquid & white solids
22Z	0416	Drum #416, 22Z, very thick white paste
22Z	0417	Drum #417, 22Z, thick white paste
22Z	0432	Drum #432, 22Z, clear liquid with solids
23AA	0040	Drum #40, 23AA, milky liquid
23AA	0038	Drum #38, 23AA, clear yellow liquid
23AA	0039	Drum #39, 23AA, milky white liquid

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23AA 0035      Drum #35, 23AA, white cloudy liquid
23AA 0037      Drum #37, 23AA, brown sludge
400  0083      Drum #83, 400, clear gold liquid
400  0058      Drum #58, 400, clear gold liquid
400  0049      Drum #49, 400, clear gold liquid
400  0081      Drum #81, 400, clear gold liquid
400  0064      Drum #64, 400, clear gold liquid
400  0065      Drum #65, 400, clear gold liquid
400  0082      Drum #82, 400, clear gold liquid
400  0059      Drum #59, 400, clear gold liquid
400  0051      Drum #51, 400, clear gold liquid
400  0063      Drum #63, 400, clear gold liquid
400  0061      Drum #61, 400, clear gold liquid
400  0052      Drum #52, 400, clear gold liquid
400  0034      Drum #34, 400, gold liquid
400  0067      Drum #67, 400, clear gold liquid
400  0047      Drum #47, 400, clear gold liquid
400  0062      Drum #62, 400, clear gold liquid
400  0060      Drum #60, 400, clear gold liquid
400  0046      Drum #46, 400, clear gold liquid
400  0071      Drum #71, 400, clear gold liquid
400  0048      Drum #48, 400, clear gold liquid
400  0066      Drum #66, 400, clear gold liquid
400  0057      Drum #57, 400, clear gold liquid with residue in bott
400  0050      Drum #50, 400, clear gold liquid
400  0056      Drum #56, 400, clear gold liquid
400  0068      Drum #68, 400, clear gold liquid
400  0070      Drum #70, 400, clear gold liquid
400  0069      Drum #69, 400, clear gold liquid
400  0042      Drum #42, 400, clear gold liquid
400  0084      Drum #84, 400, clear gold liquid
400  0053      Drum #53, 400, clear gold liquid
400  0043      Drum #43, 400, gold clear liquid
400  0054      Drum #54, 400, clear gold liquid
400  0055      Drum #55, 400 clear gold liquid
400  0032      Drum #32, 400, yellow liquid
400pt 0033     Drum #33, 400 part, black & gold liquid
51T  0074      Drum #74, 51T, white & pink thick liquid
9K   0310      Drum #310, 9K, black crystal solids
9K   0311      Drum #311, 9K, dark brown crystals
9K   0314      Drum #314, 9K, dark brown crystals
9K   0312      Drum #312, 9K, dark brown crystals
9K   0309      Drum #309, 9K, gold & brown crystal solids
9K   0313      Drum #313, 9K, brown sludge
A-1  0073      Drum #73, A-1, brown grain solids
A-1  0072      Drum #72, A-1, sandy colored solid

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S I T E C O D E	S O R T	S A M P L E S
AI	0086	Drum #86, AI, brown grain sand (solids)
AT	0116	Drum #116, AT, dark brown liquid
BB	0206	Drum #206, BB, clear liquid
BB	0222	Drum #222, BB, clear liquid & white solids
BB	0237	Drum #237, BB, white solids
BB	0235	Drum #235, BB, white solids
BB	0240	Drum #240, BB, white solids with crystals
BB	0215	Drum #215, BB, clear liquid & white solids
BB	0238	Drum #238, BB, white solids
BB	0226	Drum #226, BB, clear liquid & white solids
BB	0236	Drum #236, BB, white solids
BB	0239	Drum #239, BB, white solids
BB	0227	Drum #227, BB, clear liquid & white solids
BB	0231	Drum #231, BB, clear liquid & white solids
BB	0230	Drum #230, BB, clear liquid & white solids
BB	0218	Drum #218, BB, clear liquid & white solids
BB	0232	Drum #232, BB, clear liquid & white solids
BB	0241	Drum #241, BB, white solids
BB	0207	Drum #207, BB, clear liquid & white solids
BB	0233	Drum #233, BB, white solids
BB	0234	Drum #234, BB, white solids
BB	0229	Drum #229, BB, clear liquid & white solids
BB	0223	Drum #223, BB, clear liquid & white solids
BB	0406	Drum #406, BB, dirt & debris solids
BB	0197	Drum #197, BB, clear liquid with white solids
BB	0216	Drum #216, BB, clear liquid & white solids
BB	0139	Drum #139, BB, white cloudy liquid (thick)
BB	0224	Drum #224, BB, clear liquid & white solids
BB	0219	Drum #219, BB, clear liquid & white solids
BB	0127	Drum #127, BB, cloudy white liquid
BB	0221	Drum #221, BB, clear liquid & white solids
BB	0220	Drum #220, BB, clear liquid & white solids
BB	0228	Drum #228, BB, clear liquid & white solids
BB15T	0091	Drum #91, BB15T, full (liquid) red & pink liquid
BO	0469	Drum #469, BO, clear liquid
BO	0463	Drum #463, BO, clear liquid
BO	0468	Drum #468, BO, clear liquid
CC	0327	Drum #327, CC, brown crystals
CC	0318	Drum #318, CC, white sand
CQ	0022	Drum #22, CQ, white crystalized powder
CQ	0007	Drum #7, CQ, White crystalized powder
CQ	0011	Drum #11, CQ, crystalized white powder
CQ	0008	Drum #8, CQ, Crystalized white powder
CQ	0005	Drum #5, CQ, White powder (solids)
CQ	0010	Drum #10, crystalized white powder
CQ	0006	Drum #6, CQ, White crystalized powder



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CQ 0009 Drum #9, CQ, crystalized white powder
CQ 0021 Drum #21, CQ, yellow crystal powders
CQ ? 0004 Drum #4, CQ ?, solid gray & white sludge
CQ Pt 0016 Drum #16, CQ Part, gray & white crystals
CX 0162 Drum #162, CX, golden liquid
CX 0110 Drum #110, CX, clear liquid (solvent)
CX 0138 Drum #138, CX, dark liquid
CX 0150 Drum #150, CX, pink liquid
CX"S" 0246 Drum #246, CX "S", black & red solids
CX"S" 0248 Drum #248, CX "S", clear crystals solids
CX"S" 0245 Drum #245, CX "S", clear crystal
CX"S" 0247 Drum #247, CX "S", no description
CY 0018 Drum #18, CY white & yellow crystals
CY 0024 Drum #24, CY, brown & yellow crystals
CY 0029 Drum #29, CY, white & yellow crystal w/liquid(yellow)
CY 0014 Drum #14, CY yellow & white crystals
CY 0025 Drum #25, CY, brown & yellow crystals
CY 0026 Drum #26, CY, brown & yellow crystal
CY 0028 Drum #28, CY, yellow & white crystals
CY 0027 Drum #27, CY, yellow & white crystals
CY 0019 Drum #19, CY, solids on top
CY 0015 Drum #15, CY, yellow & white crystals
CY 0017 Drum #17, CY, yellow liquid
CY 0012 Drum #12, CY, white crystals
CY 0020 Drum #20, CY, solids, yellow crystals
CY 0013 Drum #13, CY, white crystals
CYH2O 0094 Drum #94, CY H2O, white crystals (solids)
CZ 0114 Drum #114, CZ, dark brown liquid
CZ 0113 Drum #113, CZ, dark brown liquid
CZ 0173 Drum #173, CZ, black liquid
CZ 0112 Drum #112, CZ, dark brown liquid
CZ 0111 Drum #111, CZ, dark brown liquid
CZ 0122 Drum #122, CZ, dark brown liquid
CZ 0107 Drum #107, CZ, dark clear liquid
CZ 0109 Drum #109, CZ, brown liquid
CZ 0123 Drum #123, CZ, dark brown liquid
CZ 0119 Drum #119, CZ, dark brown liquid
CZ 0118 Drum #118, CZ, dark brown (liquid)
CZ 0041 Drum #41, CZ, black liquid
CZH2O 0124 Drum #124, CZ & H2O, dark brown liquid
DD 0455 Drum #455, DD, white powder
DD 0452 Drum #452, DD, white powder
DD 0456 Drum #456, DD, white powder
DD 0453 Drum #453, DD, white powder
DD 0449 Drum #449, DD, white powder
DD 0450 Drum #450, DD, white powder

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DD	0460	Drum #460, DD,	white powder
DD	0446	Drum #446, DD,	white powder
DD	0454	Drum #454, DD,	white powder
DD	0447	Drum #447, DD,	white powder
DD	0448	Drum #448, DD,	white powder
JJ	0317	Drum #317, JJ,	clear liquid
JJ	0345	Drum #345, JJ,	brown liquid & white solids
JJ	0348	Drum #348, JJ,	white solid
JJ	0392	Drum #392, JJ,	golden liquid
JJ	0326	Drum #326, JJ,	brown (tan) sandish
JJ	0391	Drum #391, JJ,	golden liquid
JJ	0434	Drum #434, JJ,	golden liquid
JJ	0346	Drum #346, JJ,	white paste
JJ	0404	Drum #404, JJ,	golden liquid
JJ	0308	Drum #308, JJ,	thick orange liquid
JJ	0401	Drum #401, JJ,	golden liquid
JJ	0399	Drum #399, JJ,	golden liquid
JJ	0402	Drum #402, JJ,	rusty liquid (brown)
JJ	0315	Drum #315, JJ,	brown & white crystals
JJ	0351	Drum #351, JJ,	clear liquid
JJ	0394	Drum #394, JJ,	golden liquid
JJ	0350	Drum #350, JJ,	brown watery liquid with sand
JJ	0408	Drum #408, JJ,	rusty liquid with solids
JJ	0320	Drum #320, JJ,	orange liquid
JJ	0390	Drum #390, JJ,	golden liquid
JJ	0410	Drum #410, JJ,	golden liquid
JJ	0413	Drum #413, JJ,	golden liquid with white solids
JJ	0407	Drum #407, JJ,	gold, rusty liquid
JJ	0316	Drum #316, JJ,	soil & gravel
JJ	0352	Drum #352, JJ,	clear liquid with crusty solid bottom
JJ	0393	Drum #393, JJ,	golden liquid with solids
JJ	0321	Drum #321, JJ,	thick white paste
JJ	0357	Drum #357, JJ,	yellow liquid with solids
JJ	0398	Drum #398, JJ,	golden liquid
JJ	0323	Drum #323, JJ,	thick white paste
JJ	0435	Drum #435, JJ,	orange liquid with white solids
JJ	0353	Drum #353, JJ,	reddish clear liquid
JJ	0412	Drum #412, JJ,	golden liquid
JJ	0400	Drum #400, JJ,	golden liquid
JJ	0411	Drum #411, JJ,	golden liquid
JJ	0409	Drum #409, JJ,	golden liquid
JJ	0395	Drum #395, JJ,	gold liquid
JJ/LL	0347	Drum #347, 1/2 JJ & 1/2 LL,	brownish gray sand
Konku	0120	Drum #120, Super Konkure Harris Chemical,	golden liqu
LL	0080	Drum #80, LL,	clear liquid-white solids
LL	0349	Drum #349, LL,	brown sand

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LL	0036	Drum #36, LL, brown clay solids
LL	0341	Drum #341, LL, brown chunks (crystals)
LL	0085	Drum #85, LL, white crystal solids
NN	0436	Drum #436, NN, white solids
NN	0441	Drum #441, NN, white solids
NN	0366	Drum #366, NN, clear liquid
NN	0325	Drum #325, NN, black sludge
NN	0438	Drum #438, NN, white solids
NN	0333	Drum #333, NN, clear liquid with white sludge
NN	0440	Drum #440, NN, white solids
NN	0368	Drum #368, NN, clear liquid
NN	0322	Drum #322, NN, water & solids (trash)
NN	0437	Drum #437, NN, white solids
NN	0334	Drum #334, NN, tan silt
NN	0439	Drum #439, NN, white solids
NN	0324	Drum #324, NN, thick white paste
None	0498	Drum #498, No markings, dark sludge
None	0003	Drum #3, No markings, crystals & powder solids purple
None	0121	Drum #121, No markings, dark liquid & solids
None	0328	Drum #328, No markings, brown clear liquid
None	0386	Drum #386, can't read, clear liquid
None	0108	Drum #108, No markings, clay absorbant (gray)
None	0285	Drum #285, no markings, golden liquid
None	0464	Drum #464, No Markings, clear liquid
None	0286	Drum #286, no markings, clear liquid
OB	0023	Drum #23, OB, Brown crystalized solids
PI3	0481	Drum #481, PI3, dark sand
PP	0097	Drum #97, PP, red clay (solids)
PP	0490	Drum #490, PP, pink crystal chunks
PP	0494	Drum #494, PP, pink solids w/ liquid
PP	0497	Drum #497, PP, brown & pink crystal solids
PP	0001	Drum #1, PP, Solids crystals (purple)
PP	0491	Drum #491, PP, pink crystal chunks
PP	0492	Drum #492, PP, dark liquid w/ solids
PP	0493	Drum #493, PP, pink liquid w/ solids
PP	0002	Drum #2, PP, Crystals & Powder (purple)
PP	0126	Drum #126, PP, red sand & dirt solids
PP	0104	Drum #104, PP, red sand & white crystals
PP	0242	Drum #242, PP, brown crystalized solids
PP	0101	Drum #101, PP, brown & red sand crystals
PP	0495	Drum #495, PP, pink crystal solids
PP	0105	Drum #105, PP, red sand & white crystals
PP	0480	Drum #480, PP, sludge
Para	0125	Drum #125, Liquido Paepot Para Ptopor, black liquid
Pit	0319	Drum #319, Pit, clear liquid
Pit	0304	Drum #304, Pit, clear liquid

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Pit 0499 Drum #499, Pit, dark black sludge
Pit 0305 Drum #305, Pit, clear liquid
Pit 0106 Drum #106, Pit, dark brown liquid
Pit 0302 Drum #302, Pit, clear liquid
Pit 0303 Drum #303, Pit, clear liquid
Pit 0307 Drum #307, Pit, black liquid
Pit 0300 Drum #300, Pit, clear liquid
Pit 0301 Drum #301, Pit, clear liquid
Pit 0306 Drum #306, Pit, clear liquid
Pit 3 0527 Drum #527, Pit 3, clear liquid
Pit 3 0528 Drum #528, Pit 3, clear liquid
Pit 3 0526 Drum #526, Pit 3, clear liquid
Pit 3 0563 Drum #563, Pit 3, clear liquid
Pit 3 0537 Drum #537, Pit 3, clear liquid w/ dark solids
Pit 3 0488 Drum #488, Pit 3, dark sand sludge
Pit 3 0561 Drum #561, Pit 3, clear liquid
Pit 3 0558 Drum #558, Pit 3, dark sludge w/ water
Pit 3 0470 Drum #470, Pit 3, clear liquid w/ brown sludge
Pit 3 0529 Drum #529, Pit 3, clear liquid
Pit 3 0547 Drum #547, Pit 3, clear liquid
Pit 3 0474 Drum #474, Pit 3, clear liquid
Pit 3 0475 Drum #475, Pit 3, clear liquid
Pit 3 0545 Drum #545, Pit 3, dark solids
Pit 3 0486 Drum #486, Pit 3, dark sludge
Pit 3 0560 Drum #560, Pit 3, clear liquid
Pit 3 0562 Drum #562, Pit 3, clear liquid
Pit 3 0484 Drum #484, Pit 3, sudge dark
Pit 3 0510 Drum #510, Pit 3, clear liquid
Pit 3 0530 Drum #530, Pit 3, clear liquid
Pit 3 0557 Drum #557, Pit 3, dark solid w/ water
Pit 3 0569 Drum #569, Pit 3, clear liquid
Pit 3 0524 Drum #524, Pit 3, clear liquid
Pit 3 0473 Drum #473, Pit 3, clear liquid
Pit 3 0566 Drum #566, Pit 3, clear liquid w/ green solids
Pit 3 0504 Drum #504, Pit 3, black solids w/ water
Pit 3 0555 Drum #555, Pit 3, clear liquid
Pit 3 0476 Drum #476, Pit 3, clear liquid with solids
Pit 3 0487 Drum #487, Pit 3, black sludge
Pit 3 0536 Drum #536, Pit 3, clear liquid
Pit 3 0472 Drum #472, Pit 3, clear liquid
Pit 3 0516 Drum #516, Pit 3, dark solids (dry)
Pit 3 0548 Drum #548, Pit 3, clear liquid
Pit 3 0506 Drum #506, Pit 3, dark solids w/ water
Pit 3 0501 Drum #501, Pit 3, dark black sludge
Pit 3 0477 Drum #477, Pit 3, brown solid
Pit 3 0525 Drum #525, Pit 3, clear liquid
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Pit 3 0564      Drum #564, Pit 3, clear liquid
Pit 3 0568      Drum #568, Pit 3, clear liquid
Pit 3 0482      Drum #482, Pit 3, clear liquid
Pit 3 0538      Drum #538, Pit 3, clear liquid
Pit 3 0546      Drum #546, Pit 3, brown solids (dirt)
Pit 3 0522      Drum #522, Pit 3, clear liquid
Pit 3 0471      Drum #471, Pit 3, clear liquid
Pit 3 0533      Drum #533, Pit 3, clear liquid
Pit 3 0512      Drum #512, Pit 3, clear liquid
Pit 3 0570      Drum #570, Pit 3, clear liquid
Pit 3 0511      Drum #511, Pit 3, dark solids w/ water
Pit 3 0556      Drum #556, Pit 3, clear liquid
Pit 3 0517      Drum #517, Pit 3, dark solids w/ water
Pit 3 0542      Drum #542, Pit 3, clear liquid
Pit 3 0552      Drum #552, Pit 3, clear liquid
Pit 3 0541      Drum #541, Pit 3, clear liquid
Pit 3 0513      Drum #513, Pit 3, dark solids w/ water
Pit 3 0531      Drum #531, Pit 3, clear liquid
Pit 3 0550      Drum #550, Pit 3, clear liquid
Pit 3 0518      Drum #518, Pit 3, clear liquid
Pit 3 0554      Drum #554, Pit 3, clear liquid
Pit 3 0508      Drum #508, Pit 3, dark solids w/ liquid
Pit 3 0532      Drum #532, Pit 3, clear liquid
Pit 3 0559      Drum #559, Pit 3, clear liquid
Pit 3 0478      Drum #478, Pit 3, dark sand
Pit 3 0520      Drum #520, Pit 3, clear liquid
Pit 3 0519      Drum #519, Pit 3, clear liquid
Pit 3 0483      Drum #483, Pit 3, dark sand
Pit 3 0500      Drum #500, Pit 3, dry grain solids
Pit 3 0485      Drum #485, Pit 3, dark sludge
Pit 3 0515      Drum #515, Pit 3, dark solid w/ water
Pit 3 0509      Drum #509, Pit 3, dark brown solid w/ water
Pit 3 0551      Drum #551, Pit 3, clear liquid
Pit 3 0523      Drum #523, Pit 3, clear liquid
Pit 3 0502      Drum #502, Pit 3, clear liquid w/pink solids
Pit 3 0539      Drum #539, Pit 3, clear liquid
Pit 3 0565      Drum #565, Pit 3, clear liquid
Pit 3 0543      Drum #543, Pit 3, dark solids w/ liquid
Pit 3 0479      Drum #479, Pit 3, sludge
Pit 3 0540      Drum #540, Pit 3, clear liquid
Pit 3 0567      Drum #567, Pit 3, clear liquid
Pit 3 0521      Drum #521, Pit 3, clear liquid
Pit 3 0549      Drum #549, Pit 3, clear liquid
Pit 3 0505      Drum #505, Pit 3, dark solids w/ water
Pit 3 0514      Drum #514, Pit 3, dark solids (dry)
Pit 3 0507      Drum #507, Pit 3, dark solid w/ water

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Pit 3 0544      Drum #544, Pit 3, dark solids
Pit 3 0503      Drum #503, Pit 3, black solid w/ water
QQ 0185        Drum #185, QQ, red & pink liquid
QQ 0208        Drum #208, QQ, red & pink liquid
QQ 0200        Drum #200, QQ, red & pink liquid
QQ 0184        Drum #184, QQ, red & pink liquid
QQ 0195        Drum #195, QQ, pink & red liquid
QQ 0186        Drum #186, QQ, red & pink liquid
QQ 0209        Drum #209, QQ, pink & red liquid
QQ 0192        Drum #192, QQ, red & pink liquid
QQ 0191        Drum #191, QQ, red & pink liquid
QQ 0199        Drum #199, QQ, red & pink liquid
QQ 0194        Drum #194, QQ, red & pink liquid
QQ 0198        Drum #198, QQ, red liquid
QQ 0196        Drum #196, QQ, pink thick liquid
QQ 0183        Drum #183, QQ, pink & red liquid
S 0459         Drum #459, S, clear thick liquid
S 0462         Drum #462, S, black thick liquid
S 0458         Drum #458, S, brown liquid
S 0466         Drum #466, S, brown liquid
X 0244         Drum #244, X, dirt & trash solids
X 0243         Drum #243, X, black powder
XXX 0489       Drum #489, XXX, dirt & trash
YO 0031        Drum #31, YO, yellow liquid
ZA 0030        Drum #30, ZA, liquid (black)
ZA 0117        Drum #117, ZA, dark brown (liquid)
ZA 0115        Drum #115, ZA, black liquid
ZB 0271        Drum #271, ZB, gray & brown solids
ZB 0268        Drum #268, ZB, brown sludge & water
ZB 0275        Drum #275, ZB, brown & gray solids
ZB 0257        Drum #257, ZB, water & trash
ZB 0276        Drum #276, ZB, black & brown sludge
ZB 0256        Drum #256, ZB, brown dirt
ZB 0258        Drum #258, ZB, trash (solids)
ZB 0280        Drum #280, ZB, red & pink solids
ZB 0270        Drum #270, ZB, gray & brown solids
ZB 0269        Drum #269, ZB, brown solid (dirt & water)
ZB 0299        Drum #299, ZB, wood & trash with dirt
ZB 0284        Drum #284, ZB, water & black sludge
ZB 0266        Drum #266, ZB, brown liquid
ZB 0283        Drum #283, ZB, brown & gray solids
ZB 0272        Drum #272, ZB, brown solids with water
ZB 0254        Drum #254, ZB, dry solids (brown)
ZB 0281        Drum #281, ZB, golden liquid with solids
ZB 0262        Drum #262, ZB, brown solids (sand)
ZB 0278        Drum #278, ZB, brown & gray solids

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ZB 0277 Drum #277, ZB, trash & sludge
ZB 0267 Drum #267, ZB, brown solids (sand)
ZB 0249 Drum #249, ZB, gray pellets & dirt
ZB 0264 Drum #264, ZB, brown sand solids
ZB 0292 Drum #292, ZB, liquid (black) and solids
ZB 0260 Drum #260, ZB, water & solids (brown)
ZB 0252 Drum #252, ZB, brown dirt sludge
ZB 0261 Drum #261, ZB, brown dirt solids
ZB 0251 Drum #251, ZB, brown sludge & water
ZB 0265 Drum #265, ZB, brown sand solids
ZB 0253 Drum #253, ZB, brown (solid)
ZBSS 0259 Drum #259, ZB sump sludge, brown solids
ZBSS 0250 Drum #250, ZB sump sludge, brown sludge & liquid
ZD 0273 Drum #273, ZD, golden liquid (oil)
ZD 0274 Drum #274, ZD, black & brown solids
ZE 0279 Drum #279, ZE, black (liquid)
ZF 0282 Drum #282, ZF, golden liquid (oil)
ZH 0297 Drum #297, ZH, golden liquid
ZI 0298 Drum #298, ZI, thick golden liquid
ZJ 0296 Drum #296, ZJ, clear crystals (rock salt)
ZK 0295 Drum #295, ZK, golden liquid (oil)
ZL 0289 Drum #289, ZL, red liquid
ZL 0294 Drum #294, ZL, black liquid
ZL23 0288 Drum #288, ZL23, dark liquid (oil)
ZM 0293 Drum #293, ZM, pink liquid
ZN 0287 Drum #287, ZN, golden liquid
ZOX 0384 Drum #384, ZOX, clear liquid
ZOX 0396 Drum #396, ZOX, brown dirty liquid
ZOX 0385 Drum #385, ZOX, clear
ZQ 0290 Drum #290, ZQ, gray powder solids
ZQ 0291 Drum #291, ZQ
ZT 0099 Drum #99, ZT, white powder & dirt
ZT 0255 Drum #255, ZT, black liquid (oil)
ZT 0096 Drum #96, ZT, dirt & debris
ZT 0100 Drum #100, ZT, brown grain sand
ZVcha 0102 Drum #102, ZV Char, thick carmel solid & liquid
ZVcha 0103 Drum #103, ZV Char, brown solid (dirt)
ZX 0095 Drum #95, ZX, dirt & debris
ZY 0098 Drum #98, ZY, dirt & debris
ZZ 0263 Drum #263, ZZ, clear liquid

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WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 9K

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 9K-1</u>										
0311-0676-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0314-0679-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0309-0674-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE 9K-2</u>										
0312-0677-D-L	None	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0313-0678-D-L	None	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0310-0675-D-L	None	ND	0	3.0	ND	ND	Sludge	DNI	>140	P



WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 15T

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 15T-1A</u>										
0076-0153-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0077-0154-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0075-0152-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0087-0213-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0088-0214-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0089-0220-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 15T-1B</u>										
0090-0221-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0079-0156-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0078-0155-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 18W

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 18W-1</u>										
0387-0815-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0397-0825-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0414-0842-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0342-0738-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0331-0727-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0330-0726-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 18W-1A</u>										
0372-0788-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0343-0739-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0370-0786-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0360-0776-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 18W-1B</u>										
0373-0789-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0365-0781-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0371-0787-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0363-0779-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 18W (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 18W-2</u>										
0405-0833-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0338-0734-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0354-0750-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0389-0817-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0332-0728-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0344-0740-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 18W-2A</u>										
0336-0732-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0374-0790-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0359-0775-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0340-0736-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0356-0772-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0355-0771-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 18W-2B</u>										
0358-0774-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0367-0783-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0369-0785-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0361-0777-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0339-0735-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0364-0780-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 18W (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 18W-3</u>										
0329-0725-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0337-0733-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0335-0731-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>INDIVIDUAL</u>										
0388-0816-D-L	Moderate	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 21Y

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1A</u>										
0128-0264-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0129-0265-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0130-0266-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0131-0267-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0132-0268-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0133-0269-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1B</u>										
0134-0270-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0135-0271-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0136-0272-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0137-0321-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0140-0324-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0141-0325-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1C</u>										
0142-0326-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0143-0327-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0144-0328-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0145-0329-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0146-0330-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0147-0331-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 21Y (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1D</u>										
0148-0332-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0149-0333-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0151-0335-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0152-0336-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0153-0337-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0154-0338-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1E</u>										
0155-0339-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0156-0340-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0157-0341-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0158-0342-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0159-0343-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0160-0344-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1F</u>										
0161-0345-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0163-0347-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0165-0349-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0166-0350-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0167-0396-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0168-0397-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 21Y (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1G</u>										
0169-0398-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0170-0399-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0171-0400-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0172-0401-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0175-0363-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0176-0346-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1H</u>										
0177-0365-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0178-0366-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0179-0367-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0180-0368-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0181-0369-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0182-0370-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1I</u>										
0187-0375-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0188-0376-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0189-0377-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0190-0378-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0193-0404-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0201-0465-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 21Y (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1J</u>										
0202-0466-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0203-0467-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0204-0468-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0205-0469-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0210-0474-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0211-0475-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1K</u>										
0212-0476-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0213-0477-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0214-0478-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0217-0485-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0225-0497-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0415-0896-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1L</u>										
0419-0900-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0420-0901-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0421-0902-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0422-0903-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0423-0904-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0424-0905-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A



WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 21Y (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1M</u>										
0428-0911-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0429-0912-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0430-0913-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0431-0914-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0442-0929-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0443-0930-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1N</u>										
0444-0931-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0445-0932-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0451-0938-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0461-0951-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0465-0955-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>INDIVIDUALS</u>										
0426-0909-D-L	Moderate	ND	0	11.0	ND	ND	Sludge	DNI	>140	A
0174-0403-D-L	Moderate	ND	0	2.0	ND	ND	Liquid	IWH	125	NA

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. 22Z

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 22Z</u>										
0416-0897-D-L	Moderate	ND	0	11.0	ND	ND	Sludge	DNI	>140	A
0417-0898-D-L	Moderate	ND	0	11.0	ND	ND	Sludge	DNI	>140	A
<u>INDIVIDUALS</u>										
0418-0899-D-L	Moderate	ND	0	11.0	ND	ND	Solid	DNI	>140	A
0432-0915-D-L	Moderate	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0427-0910-D-L	Slight	ND	0	12.0	ND	ND	Liquid/ Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. 23AA

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 23AA-1</u>										
0037-0088-D-L	Moderate	ND	0	11.0	ND	ND	Solid/ Liquid	DNI	>140	A
0039-0090-D-L	Moderate	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	A
0040-0091-D-L	Moderate	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	A
0035-0086-D-L	Moderate	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	A
<u>INDIVIDUAL</u>										
0038-0089-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 400

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 400-A1</u>										
0049-0120-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0050-0121-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0051-0122-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0052-0123-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0043-0114-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0046-0117-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 400-A2</u>										
0047-0118-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0048-0119-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0042-0093-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0032-0082-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0034-0084-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0070-0141-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 400-A3</u>										
0071-0148-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0064-0135-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0065-0136-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0066-0137-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0067-0138-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0068-0139-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. 400 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 400-A4</u>										
0069-0140-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0058-0129-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0059-0130-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0060-0131-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0061-0132-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0062-0133-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 400-A5</u>										
0063-0134-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0053-0124-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0054-0125-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0055-0126-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0056-0127-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0057-0128-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
<u>COMPOSITE 400-A6</u>										
0082-0208-D-L		ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0083-0209-D-L		ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0084-0210-D-L		ND	0	6.0	ND	ND	Liquid	IWH	>140	A

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. 400 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0081-0207-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
<u>COMPOSITE 400PT</u>										
0033-0083-D-L	Slight	ND	0	6.0	ND	ND	Liquid	IWH	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. BB

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE BB-1</u>										
0233-0505-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0234-0506-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0235-0507-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0236-0508-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0238-0510-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0239-0511-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE BB-2</u>										
0139-0323-D-L	Moderate	ND	0	9.0	ND	ND	Liquid	DNI	>140	A
0206-0470-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0221-0489-D-L	Moderate	ND	0	9.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE BB-3A</u>										
0207-0471-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0215-0483-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	A
0216-0484-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	A
0218-0486-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0219-0487-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	A
0197-0461-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. BB (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE BB-3B</u>										
0220-0488-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0222-0490-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0223-0491-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0224-0492-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0226-0498-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0227-0499-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE BB-3C</u>										
0228-0500-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0229-0501-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0230-0502-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0231-0503-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0232-0504-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0127-0263-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE BB-4</u>										
0237-0509-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	>140	A
0240-0512-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A



WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. BO

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE BO</u>										
0468-0958-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0469-0959-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0463-0953-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. CC

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP		HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE						IGNIT-ABILITY	FLASH POINT	
0327-0723-D-L	None	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0318-0683-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P

INDIVIDUALS

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. CQ

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CQ-1A</u>										
0010-0010-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0011-0011-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0021-0064-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0022-0065-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0005-0005-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CQ-1B</u>										
0006-0006-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0007-0007-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0008-0008-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>INDIVIDUALS</u>										
0004-0004-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0016-0043-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0009-0009-D-L	None	ND	0	6.0	ND	ND	Solid	NA	NA	NA

(Sample 0009-0009-D-L was not included in any composite or tested for flammability or ignitability)

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. CX

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CX-1</u>										
0162-0346-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
0150-0334-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
0138-0322-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
<u>INDIVIDUAL</u>										
0110-0244-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. CX "5"

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CX "S"-1</u>										
0245-0517-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0248-0520-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CX "S"-2</u>										
0247-0519-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CX "S"-3</u>										
0246-0518-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. CY AND CYH20

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CY-1</u>										
0025-0068-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0026-0069-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0027-0077-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0015-0042-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0012-0012-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CY-2</u>										
0014-0041-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0018-0045-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0020-0047-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0013-0040-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CY-3</u>										
0028-0078-D-L	Moderate	ND	0	1.0	ND	ND	Solid/ Liquid	DNI	>140	P
0029-0079-D-L	Moderate	ND	0	1.0	ND	ND	Solid/ Liquid	DNI	>140	P
0019-0046-D-L	Moderate	ND	0	1.0	ND	ND	Solid/ Liquid	DNI	>140	P
0017-0044-D-L	Moderate	ND	0	1.0	ND	ND	Solid/ Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. CY and CYH20 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CY-4</u>										
0024-0067-D-L	Moderate	ND	0	1.0	ND	ND	Solid	IWH	130	P
<u>COMPOSITE CYH20</u>										
0094-0225-D-L	Moderate	ND	0	0.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. CZ AND CZH20

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CZ-1A</u>										
0041-0092-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0107-0238-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0119-0255-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0122-0258-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0123-0259-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0113-0247-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
<u>COMPOSITE CZ-1B</u>										
0114-0248-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0118-0254-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0109-0243-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0111-0245-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0112-0246-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
<u>INDIVIDUAL</u>										
0173-0402-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE CZH20</u>										
0124-0260-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P



WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. DD

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE DD-A-1</u>										
0449-0936-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0447-0934-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0448-0935-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0446-0933-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0454-0941-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0456-0946-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE DD-A-2</u>										
0450-0937-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0452-0939-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0453-0940-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0455-0945-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0460-0950-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. NN

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE NN-A-1</u>										
0324-0689-D-L	None	ND	0	11.0	ND	ND	Solid	DNI	>140	A
0439-0926-D-L	None	ND	0	10.0	ND	ND	Solid	DNI	>140	A
0436-0923-D-L	None	ND	0	10.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE NN-B-1</u>										
0441-0928-D-L	None	ND	0	8.0	ND	ND	Solid	DNI	>140	P
0438-0925-D-L	None	ND	0	7.0	ND	ND	Solid	DNI	>140	P
0440-0927-D-L	None	ND	0	8.0	ND	ND	Solid	DNI	>140	P
0437-0924-D-L	None	ND	0	8.0	ND	ND	Solid	DNI	>140	P
0334-0730-D-L	None	ND	0	7.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE NN-C-1</u>										
0368-0784-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0366-0782-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE NN-D-1</u>										
0322-0687-D-L	Slight	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	P
0333-0729-D-L	Slight	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	P
<u>COMPOSITE NN-E-1</u>										
0325-0721-D-L	Moderate	ND	0	7.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. JJ

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE JJ-1</u>										
0308-0673-D-L	Moderate	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0352-0748-D-L	Moderate	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0435-0922-D-L	Moderate	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE JJ-2</u>										
0320-0685-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0345-0741-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0350-0746-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0408-0836-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0434-0917-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE JJ-3</u>										
0321-0686-D-L	Slight	ND	0	10.0	ND	ND	Sludge	DNI	>140	A
0323-0688-D-L	Slight	ND	0	10.0	ND	ND	Sludge	DNI	>140	A
0362-0722-D-L	Slight	ND	0	10.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. JJ (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE JJ-4</u>										
0353-0749-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0357-0773-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0391-0819-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE JJ-5A</u>										
0390-0818-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0392-0820-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0393-0821-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0394-0822-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0395-0823-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0398-0826-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE JJ-5B</u>										
0399-0827-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0400-0828-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0401-0829-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0402-0830-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0404-0832-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0407-0835-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. JJ (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE JJ-5C</u>										
0409-0837-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0410-0838-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0411-0839-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0412-0840-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0413-0841-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>INDIVIDUALLY</u>										
0315-0680-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0316-0681-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0317-0682-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0346-0742-D-L	Moderate	ND	0	7.0	ND	ND	Sludge	DNI	>140	A
0345-0744-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	139	A
0351-0747-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. LL

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE LL-1</u>										
0349-0745-D-L	Slight	ND	0	3.0	ND	ND	Solid	DNI	>140	P
0341-0737-D-L	Slight	ND	0	3.0	ND	ND	Solid	DNI	>140	P
0036-0087-D-L	Slight	ND	0	3.0	ND	ND	Solid	DNI	>140	P
0085-0211-D-L	Slight	ND	0	3.0	ND	ND	Solid	DNI	>140	P
<u>INDIVIDUAL</u>										
0080-0157-D-L	None	ND	0	4.0	ND	ND	Solid/ Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. QQ

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE QQ-1</u>										
0183-0371-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0184-0372-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0198-0462-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0199-0463-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0200-0464-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0794-0405-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE QQ-2</u>										
0195-0459-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0196-0460-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0185-0373-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0186-0374-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE QQ-3A</u>										
0209-0473-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0208-0472-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE QQ-3B</u>										
0191-0379-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0192-0380-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. PIT

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT-1</u>										
0304-0669-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0300-0665-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0302-0667-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0303-0668-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0319-0684-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0306-0671-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE PIT-2</u>										
0301-0666-D-L	Complete	ND	2	6.0	ND	ND	Liquid	DNI	>140	A
0305-0670-D-L	Complete	ND	1	6.0	ND	ND	Liquid	DNI	>140	A
<u>INDIVIDUALS</u>										
0499-1022-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	A
0307-0672-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0106-0237-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	A



WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-A1</u>										
0512-1057-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0567-1170-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0569-1172-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0568-1171-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0564-1146-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0555-1137-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-A2</u>										
0532-1099-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0554-1136-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0556-1138-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0547-1129-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0548-1130-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0551-1133-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-A3</u>										
0549-1131-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0566-1169-D-L	Complete	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0561-1143-D-L	Complete	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0562-1144-D-L	Complete	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0563-1145-D-L	Complete to Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-B1</u>										
0510-1055-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0519-1066-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0570-1173-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0518-1065-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0565-1168-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0560-1142-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-B2</u>										
0536-1103-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0540-1107-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0538-1105-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0528-1095-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0525-1092-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0533-1100-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-B3</u>										
0527-1094-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0471-0961-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0531-1098-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0474-0964-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0559-1141-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-C1</u>										
0541-1108-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0522-1069-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0523-1070-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0475-0998-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0502-1025-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0537-1104-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-C2</u>										
0506-1051-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0526-1093-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0520-1067-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0530-1097-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0545-1127-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0542-1109-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-C3</u>										
0529-1096-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0470-0960-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0550-1132-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0476-0999-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0479-1002-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0482-1005-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP ICNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3 - C4</u>										
0539-1106-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
	Moderate									
0524-1071-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
	Moderate									
<u>COMPOSITE PIT 3-D1</u>										
0503-1026-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0504-1027-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0513-1058-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0511-1056-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0509-1054-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0557-1139-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
<u>COMPOSITE PIT 3-D2</u>										
0543-1110-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0521-1068-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0501-1024-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0487-1010-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0508-1053-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0505-1050-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-D3</u>										
0507-1052-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0517-1064-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0515-1062-D-L	Moderate	ND	0	6.0	ND	ND	Sludge	DNI	>140	P
<u>COMPOSITE PIT 3-E1</u>										
0516-1063-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0558-1140-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0546-1128-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0544-1111-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0477-1000-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0488-1011-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE PIT 3-E2</u>										
0500-1023-D-L	Moderate	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0484-1007-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0514-1059-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE PIT 3-F1</u>										
0483-1006-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0478-1001-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0485-1008-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0486-1009-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-G1</u>										
0473-0963-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0472-0962-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
<u>INDIVIDUAL</u>										
0552-1134-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. PP

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PP-1</u>										
0492-1015-D-L	Moderate	ND	0	5.0	ND	ND	Liquid/ Sludge	IWH	>140	A
0480-1003-D-L	Moderate	ND	0	5.0	ND	ND	Liquid/ Sludge	IWH	>140	A
0493-1016-D-L	Moderate	ND	0	6.0	ND	ND	Liquid/ Sludge	IWH	>140	A
<u>COMPOSITE PP-2</u>										
0490-1013-D-L	Moderate	ND	3	6.0	ND	ND	Solid	DNI	>140	A
0097-0228-D-L	Moderate	ND	3	6.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE PP-3</u>										
0495-1018-D-L	Moderate	ND	6	6.0	ND	ND	Solid	IWH	>140	A
0494-1017-D-L	Moderate	ND	6	6.0	ND	ND	Solid	IWH	>140	A
0497-1020-D-L	Moderate	ND	6	6.0	ND	ND	Solid	IWH	>140	A
<u>COMPOSITE PP-4</u>										
0001-0001-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0002-0002-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0101-0232-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. PP (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PP-5</u>										
0104-0235-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0242-0514-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE PP-6</u>										
0105-0236-D-L	Moderate	ND	3	6.0	ND	ND	Solid	DNI	>140	A
0106-0262-D-L	Moderate	ND	3	6.0	ND	ND	Solid	DNI	>140	A
<u>INDIVIDUAL</u>										
0491-1014-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A



WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. S

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE S-A-1</u>										
0462-0952-D-L	Slight	ND	0	3.0	ND	ND	Liquid	IWH	>140	P
0458-0948-D-L	Slight	ND	0	3.0	ND	ND	Liquid	IWH	>140	P
<u>COMPOSITE S-B-1</u>										
0459-0949-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE S-C-1</u>										
0466-0956-D-L	Slight	ND	0	5.0	ND	ND	Sludge	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. X

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0243-0515-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0244-0516-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P

COMPOSITE X-A-1

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. ZA

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE ZA-A-1</u>										
0030-0080-D-L	Slight	ND	0	5.0	ND	ND	Liquid	DNI	>140	A
0115-0249-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0117-0253-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. ZB AND ZBSS

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE ZBSS-1</u>										
0259-0567-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE ZBSS-2</u>										
0250-0522-D-L	Slight	ND	0	5.0	ND	ND	Solid/ Liquid	DNI	>140	P
<u>COMPOSITE ZB-A-1</u>										
0267-0575-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0269-0577-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0270-0578-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0261-0569-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0262-0570-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0264-0572-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE ZB-B-1</u>										
0265-0573-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0258-0566-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0253-0525-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0254-0526-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE ZB-C-1</u>										
0257-0565-D-L	Moderate	ND	0	6.0	ND	ND	Solid/ Liquid	DNI	>140	P
0260-0568-D-L	Moderate	ND	0	6.0	ND	ND	Solid/ Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

GROUP NO. ZB AND ZBSS (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>INDIVIDUALS</u>										
0249-0521-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0276-0584-D-L	Slight	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0272-0580-D-L	Slight	ND	0	6.0	ND	ND	Solid/Liquid	DNI	>140	P
0252-0524-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0256-0564-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0299-0664-D-L	Slight	ND	0	6.0	ND	ND	Solid	IWH	NA	P
0283-0591-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0268-0576-D-L	Slight	ND	0	6.0	ND	ND	Sludge	DNI	>140	P
0251-0523-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0275-0583-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0266-0574-D-L	Slight	ND	0	6.0	ND	ND	Solid/Liquid	DNI	>140	P
0284-0592-D-L	Slight	ND	0	6.0	ND	ND	Liquid/Sludge	DNI	>140	P
0280-0588-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0277-0585-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0278-0586-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0292-0630-D-L	Moderate	ND	0	5.0	ND	ND	Solid/Liquid	DNI	>140	P
0271-0579-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0281-0589-D-L	Moderate	ND	0	6.0	ND	ND	Solid/Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. ZL

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0294-0632-D-L	Slight	ND	0	1.0	ND	ND	Liquid	DNI	>140	P
0298-0627-D-L	Slight	ND	0	1.0	ND	ND	Liquid	DNI	>140	P

COMPOSITE ZL

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

GROUP NO. ZOX

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP	OPEN CUP	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE						IGNIT-ABILITY	FLASH POINT	
<u>COMPOSITE ZOX-1</u>										
0384-0800-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0385-0813-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE ZOX-2</u>										
0396-0824-D-L	Slight	ND	0	10.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

INDIVIDUAL DRUMS

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0467-0957-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0496-1019-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0498-1021-D-L	Complete	ND	0	4.0	ND	ND	Solid/ Liquid	DNI	>140	P
0534-1101-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0534-1102-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	A
0553-1135-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0375-0791-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0376-0792-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0377-0793-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0378-0794-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0379-0795-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0380-0796-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0381-0797-D-L	None	ND	0	3.0	ND	ND	Sludge	IWH	NA	A
0382-0798-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0383-0799-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0386-0814-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0403-0831-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0406-0834-D-L	Complete	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0425-0908-D-L	Slight	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0433-0916-D-L	Slight	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0464-0954-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0003-0003-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0044-0115-D-L	Slight	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0045-0116-D-L	Moderate	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0091-0222-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0092-0223-D-L	Moderate	ND	0	9.0	ND	ND	Sludge	DNI	>140	A
0093-0224-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	A
0108-0239-D-L	None	ND	0	3.0	ND	ND	Solid	DNI	>140	P



WASTE CHARACTERIZATION SUMMARY  
DRUM SAMPLING PROGRAM

INDIVIDUAL DRUMS (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0121-0257-D-L	Moderate	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
0241-0513-D-L	Slight	ND	0	12.0	ND	ND	Solid	DNI	>140	A
0285-0623-D-L	Complete	ND	0	1.0	ND	ND	Liquid	DNI	>140	P
0286-0624-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0328-0724-D-L	Slight	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	A
0326-0778-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0031-0081-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0347-0743-D-L	Slight	ND	0	3.0	ND	ND	Liquid	IWH	>140	P
0125-0261-D-L	Complete	ND	0	11.0	ND	ND	Liquid	DNI	>140	A
0481-1004-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0255-0563-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0100-0231-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0096-0227-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0099-0230-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0263-0517-D-L	Moderate	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0098-0229-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0288-0626-D-L	Slight	ND	0	1.0	ND	ND	Liquid	DNI	>140	P
0287-0625-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0295-0660-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0074-0151-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0293-0631-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0120-0256-D-L	None	ND	2	6.0	ND	ND	Liquid	IWH	NA	A
0023-0066-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0489-1012-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	A
0279-0587-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0298-0663-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0164-0348-D-L	Moderate	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0273-0581-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY  
 DRUM SAMPLING PROGRAM

INDIVIDUAL DRUMS (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0274-0582-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0296-0661-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0297-0662-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
0095-0226-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	>140	P
0102-0233-D-L	Slight	ND	0	7.0	ND	ND	Solid	IWH	>140	A
0103-0234-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	>140	P
0291-0629-D-L	Slight	ND	0	7.0	ND	ND	Liquid	IWH	>140	A
0290-0628-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	>140	A
0116-0250-D-L	Slight	ND	0	7.0	ND	ND	Solid	IWH	>140	P
0282-0590-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0072-0149-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0073-0150-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	NA	NA
0086-0212-D-L	None	ND	0	4.0	ND	ND	Solid	NA	NA	NA

APPENDIX  
J

APPENDIX J

APPENDIX J  
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**FOOTNOTES TO:**  
**Quantitative Priority Pollutant Analytical Results Tables**

- ND:** analyzed for, but not detected at the method detection limit
- :** analysis not required
- \*:** reported value is approximate, between method detection limit (DL) and quantitation limit (QL) - QL is 10 x DL
- \*\*:** detected and quantitated by GC, but detected below GC/MS DL so identification not confirmed
- \*\*\*:** sample not amenable to analysis of this parameter by available methodology
- NA:** not analyzed; sample received broken

QUALITY CONTROL RESULTS: FIELD BLANKS FOR  
EXTRACTABLE ORGANICS ANALYSIS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1603 10/16/84	C1774 10/23/84
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g/L}</math>)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methyl- phenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2- methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR  
EXTRACTABLE ORGANICS ANALYSIS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1603 10/16/84	C1774 10/23/84
<u>Base/Neutral/Acids (Continued)</u>			
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	44	12*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND



QUALITY CONTROL RESULTS: FIELD BLANKS FOR  
EXTRACTABLE ORGANICS ANALYSIS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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<u>CAS Number</u>	<u>Compound Name</u>	<u>C1603 10/16/84</u>	<u>C1774 10/23/84</u>
<u>Base/Neutral/Acids (Continued)</u>			
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyl- amine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	2*
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR  
EXTRACTABLE ORGANICS ANALYSIS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1603 10/16/84	C1774 10/23/84
<u>Base/Neutral/Acids (Continued)</u>			
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in µg/L)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND
50-29-3	4,4'-DDT	ND	0.3**
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR  
EXTRACTABLE ORGANICS ANALYSIS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

---

<u>CAS Number</u>	<u>Compound Name</u>	<u>C1603 10/16/84</u>	<u>C1774 10/23/84</u>
<u>Pesticides and PCBs (Continued)</u>			
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR  
EXTRACTABLE ORGANICS ANALYSIS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	C1603 10/16/84	C1774 10/23/84
<u>Chlorinated Herbicides (Concentration Units are in µg/L)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	2.6	2.6
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND

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D255D-QC-1-1 to 6

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0185 9/11/84	C0298 9/12/84	C0395 9/13/84	C0433 9/14/84	C0538 9/18/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0185 9/11/84	C0298 9/12/84	C0395 9/13/84	C0433 9/14/84	C0538 9/18/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	14	22	8*	17	27
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-FB-7-1 and 2						

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0596 9/19/84	C0615 9/20/84	C0699 9/20/84	C0708 9/21/84	C0761 9/22/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	4*
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0596 9/19/84	C0615 9/20/84	C0699 9/20/84	C0708 9/21/84	C0761 9/22/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	28	34	60	38	30
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	4*
108-88-3	Toluene	ND	ND	ND	ND	2*
79-01-6	Trichloroethene	ND	ND	ND	ND	5*
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	11*	31*	47*	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-FB-3-1 and 2						



FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0804 9/24/84	C0858 9/25/84	C0920 9/27/84	C1061 9/28/84	C1117 10/1/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	33	61	42	40	38
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0804 9/24/84	C0858 9/25/84	C0920 9/27/84	C1061 9/28/84	C1117 10/1/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	22	17	14	14	93
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	7*	12	10	8*	9*
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-FB-4-1 and 2						

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1161 10/2/84	C1207 10/3/84	C1252 10/4/84	C1301 10/5/84	C1331 10/8/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	45	44	39	37	44
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1161 10/2/84	C1207 10/3/84	C1252 10/4/84	C1301 10/5/84	C1331 10/8/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	130	170	91	110	130
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	10	10	9*	8*	10
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-FB-5-1 and 2						

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1341 10/8/84	C1376 10/9/84	C1427 10/10/84	C1511 10/11/84	C1545 10/12/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	39	41	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1341 10/8/84	C1376 10/9/84	C1427 10/10/84	C1511 10/11/84	C1545 10/12/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	120	14	6*	7*	10
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	9*	9*	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	10*	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
<hr/> D255D-FB-6-1 and 2						

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1557 10/15/84	C1601 10/17/84	C1621 10/17/84	C1657 10/18/84	C1701 10/19/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	2*	1*	ND	45
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1557 10/15/84	C1601 10/17/84	C1621 10/17/84	C1657 10/18/84	C1701 10/19/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	13	12	9*	7*	5*
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	10
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-FB-1-1 and 2



FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1730 10/22/84	C1772 10/23/84	C1783 10/24/84	C1793 10/24/84	C1842 11/16/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	55.	ND	ND	11.	5.*
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1730 10/22/84	C1772 10/23/84	C1783 10/24/84	C1793 10/24/84	C1842 11/16/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	10.	9.*	9.*	7.*	30.
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	10.	ND	ND	3.*	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	1.*	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	27.*	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-FB-1 to FB-2

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0184 9/11/84	C0297 9/12/84	C0394 9/13/84	C0432 9/14/84	C0539 9/18/84
<u>Volatile Organic Compounds (Concentration Units are in <math>\mu\text{g/L}</math>)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	36	52	51	54	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0184 9/11/84	C0297 9/12/84	C0394 9/13/84	C0432 9/14/84	C0539 9/18/84
<u>Vaoltiles (Continued)</u>						
75-09-2	Methylene chloride	34	22	25	23	32
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	9*	13	13	14	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	1*	ND	1*	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	18*	15*	14*	10*	13*
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-FB-2-1 and 2

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0595 9/19/84	C0616 9/20/84	C0709 9/21/84	C0762 9/22/84	C0805 9/24/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0595 9/19/84	C0616 9/20/84	C0709 9/21/84	C0762 9/22/84	C0805 9/24/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	20	6*	19	22	18
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-TB-2-1 and 2

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0895 9/25/84	C0921 9/26/84	C0972 9/27/84	C1060 9/28/84	C1118 10/1/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0895 9/25/84	C0921 9/26/84	C0972 9/27/84	C1060 9/28/84	C1118 10/1/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	17	12	12	5*	10
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-TB-3-1 and 2



TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1162 10/2/84	C1208 10/3/84	C1253 10/4/84	C1302 10/5/84	C1332 10/8/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1162 10/2/84	C1208 10/3/84	C1253 10/4/84	C1302 10/5/84	C1332 10/8/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	8*	11	4*	7*	22
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D- TB-4-1 and 2						

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1342 10/8/84	C1377 10/9/84	C1428 10/10/84	C1512 10/11/84	C1546 10/12/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro-ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro-ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro-ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro-propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro-propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1342 10/8/84	C1377 10/9/84	C1428 10/10/84	C1512 10/11/84	C1546 10/12/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	7*	11	28	8*	8*
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	21*	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
<hr/> D255D-TB-5-1 and 2						

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1558 10/15/84	C1602 10/17/84	C1622 10/17/84	C1658 10/18/84	C1702 10/19/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro-ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro-ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	1*	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro-ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro-propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro-propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1558 10/15/84	C1602 10/17/84	C1622 10/17/84	C1658 10/18/84	C1702 10/19/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	18	23	7*	5*	7*
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-TB-1-1 and 2

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1731 10/22/84	C1773 10/23/84	C1784 10/24/84	C1794 10/24/84	C1843 11/16/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND

TRIP BLANKS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1731 10/22/84	C1773 10/23/84	C1784 10/24/84	C1794 10/24/84	C1843 11/16/84
<u>Volatiles (Continued)</u>						
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	10.	9.*	8.*	8.*	22.
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	78*	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-TB-1 and 2



BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	NA	ND (0.005 ppb)
	2,3,7,8-Tetrachloro- dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	2*	2*
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	41	51
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	2*	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds</u> (Concentration Units are in $\mu\text{g/L}$ )			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	7*	8*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Di benzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Di benzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu</math>g/L)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	Y1362 Field Blank	Y1363 Trip Blank
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	0.1**
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	1.5**	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Chlorinated Herbicides (Concentration Units are in µg/L)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Di camba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	18	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	<0.001	<0.001
	Arsenic	0.002	0.002
	Beryllium	<0.002	<0.002
	Cadmium	<0.001	<0.001
	Chromium	<0.01	<0.01
	Copper	<0.002	<0.002
	Lead	<0.01	<0.01
	Mercury	<0.001	<0.001
	Nickel	<0.01	<0.01
	Selenium	<0.001	<0.001



BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1362 Field Blank</u>	<u>Y1363 Trip Blank</u>
	Silver	<0.002	<0.002
	Thallium	<0.02	<0.02
	Zinc	<0.001	<0.001
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	<0.01	<0.01
	Total Phenols	<0.01	0.21

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D255C-PRS-24.1 to 24.9

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	ND (0.003 ppb)	ND (0.005 ppb)
	2,3,7,8-Tetrachloro- dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-

Volatile Organic Compounds (Concentration Units are  
 in µg/L)

71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	2*	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

J-46

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	5*	9*
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methyl- phenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2- methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	88*	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in µg/L)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	ND
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	ND	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND



BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Chlorinated Herbicides (Concentration Units are in µg/L)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	4.4	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	<0.001	<0.001
	Arsenic	<0.001	<0.001
	Beryllium	<0.002	<0.002
	Cadmium	<0.001	<0.001
	Chromium	<0.01	<0.01
	Copper	<0.002	<0.002
	Lead	<0.01	<0.01
	Mercury	<0.001	<0.001
	Nickel	<0.01	<0.01
	Selenium	<0.001	<0.001

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1815 Field Blank</u>	<u>Y1816 Trip Blank</u>
<u>Metals (Continued)</u>			
	Silver	<0.002	<0.002
	Thallium	<0.02	<0.02
	Zinc	<0.005	<0.005
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	<0.01	0.01
	Total Phenols	<0.01	0.02

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D255D-BA-1 to 9







# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



## CERTIFICATE OF ANALYSIS

TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

0-8-0-0204-300-M-Y, Station 0-8-0, (0-12"), 10:40 am

	Analyst	Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	0.6	2.	2.6	2.6	100
Arsenic	JLF/KSW	23.	50.	73.	59.3	81
Beryllium	SCD	0.55	5.	5.55	5.5	99
Cadmium	SCD	9.6	4.9	14.5	14.9	103
Chromium	SCD	370.	1195.	1565.	1400.	89
Copper	SCD	320.	293.	613.	695.	113
Lead	KSW	420.	400.	820.	859.	105
Mercury	SCD	11.	8.	19.	19.	100
Nickel	SCD	70.	50.	120.	142.	118
Selenium	JLF	<2.	40.	40.	56.	140
Silver	SCD	6.5	10.	16.5	16.3	99
Thallium	JLF	<2.	100.	100.	108.	108
Zinc	KSW	920.	188.	1108.	1030.	93

Subscription expires before month 11th  
December, 1984  
Subscription expires December 16, 1987

*[Signature]*  
Nancy Dunn

*[Signature]*  
Approved by  
Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical  
and metallurgical fields in the current AALA Directory of Accredited Laboratories



# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



## CERTIFICATE OF ANALYSIS

TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

0-9-0-0299-300-M-Y, Station 0-9-0,  
(0-12") 2:14 pm

	<u>Analyst</u>	<u>Reported Value</u>	<u>Blind Split</u>
Antimony	KSW	1.0	0.5
Arsenic	JLF/KSW	37.	14.
Beryllium	SCD	0.68	0.60
Cadmium	SCD	12.0	12.8
Chromium	SCD	450.	438.
Copper	SCD	430.	468.
Lead	KSW	560.	540.
Mercury	SCD	14.	9.6
Nickel	SCD	80.	93.
Selenium	JLF	<2.	1.
Silver	SCD	7.8	7.8
Thallium	JLF	<2.	<2.
Zinc	KSW	1300.	1200.

Contract is suspended before month 11th  
December, 1984

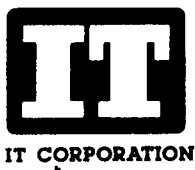
Month of expiration December 16, 1987

*[Signature]*  
Notary Public

*[Signature]*  
Approved by: \_\_\_\_\_  
Laboratory Manager



Member of the American Association for Laboratory Accreditation in the chemical and allied fields listed in the current AALA Directory of Accredited Laboratories



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## CERTIFICATE OF ANALYSIS

TO IT Corporation  
 ATTN: Carol Colclough  
 312 Directors Drive  
 Knoxville, TN 37923

DATE REPORTED December 11, 1984  
 PROJECT CODE ITEK 19113  
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

I-5-A-1047-109-S-Y

		Amount Analyzed	Amount	Total Amount in	Amount	%
	Analyst	in Sample or Blank +	Added	Sample + Spike	Recovered	Recovery
Antimony	KSW	0.1	0.4	0.5	0.6	120
Arsenic	JLF/KSW	5.7	10.	15.7	14.	89
Beryllium	SCD	<0.1	5.	5.	4.7	94
Cadmium	SCD	0.1	4.9	5.0	4.7	94
Chromium	SCD	10.	47.8	57.8	55.	95
Copper	SCD	24.	11.7	35.7	38.3	107
Lead	KSW	260.	398.	658.	656.	100
Mercury	SCD	0.2	0.4	0.6	0.5	83
Nickel	SCD	7.6	50.	57.6	69.	120
Selenium	JLF	<0.6	40.	40.	35.	88
Silver	SCD	<0.2	10.	10.	9.4	94
Thallium	JLF	<2.	100.	100.	122.	122
Zinc	KSW	45.	188.	233.	247.	106

This certificate is subscribed before me this 11th  
 day of December, 1984  
 My commission expires December 16, 1987

*[Signature]*  
 Notary Public

*[Signature]*  
 Approve by \_\_\_\_\_  
 Laboratory Manager

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## CERTIFICATE OF ANALYSIS

TO IT Corporation  
 ATTN: Carol Colclough  
 312 Directors Drive  
 Knoxville, TN 37923

DATE REPORTED December 11, 1984  
 PROJECT CODE ITEK 19113  
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

B-2-M-1344-100-S-Y						
Analyst		Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	0.7	2.0	2.7	4.0	148
Arsenic	JLF/KSW	3.0	10.	13.	15.6	120
Beryllium	SCD	<0.1	5.	5.	5.0	100
Cadmium	SCD	0.3	4.9	5.2	4.7	90
Chromium	SCD	22.	47.8	69.8	64.	92
Copper	SCD	66.	293.	359.	344.	96
Lead	KSW	200.	398.	598.	610.	102
Mercury	SCD	7.8	8.	15.8	20.9	132
Nickel	SCD	27.	50.	77.	83.	108
Selenium	JLF	<0.5*	40.	40.	35.	88
Silver	SCD	<0.2	10.	10.	10.	100
Thallium	JLF	<2.	100.	100.	107.	107
Zinc	KSW	190.	188.	378.	456.	121

\* Detection limit higher than normal due to sample matrix interference

This certificate is subscribed before me this 11th  
 day of December, 1984  
 My commission expires December 16, 1987

Notary Public

Approved by \_\_\_\_\_  
 Title Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical  
 and testing as listed in the current AALA Directory of Accredited Laboratories





IT CORPORATION

# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



## CERTIFICATE OF ANALYSIS

TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

F-7-B-760-109-S-Y

		Amount Analyzed	Amount	Total Amount in	Amount	%
Analyst	in Sample or Blank +	Added	=	Sample + Spike	Recovered	Recovery
Antimony	KSW	0.8	2.0	2.8	2.9	104
Arsenic	JLF/KSW	17.	50.	67.	69.4	104
Beryllium	SCD	1.4	5.	6.4	6.7	105
Cadmium	SCD	3.0	4.9	7.9	8.2	104
Chromium	SCD	17.	47.8	64.8	55.	85
Copper	SCD	300.	293.	593.	603.	102
Lead	KSW	470.	398.	868.	996.	115
Mercury	SCD	6.4	8.	14.4	10.	69
Nickel	SCD	66.	50.	116.	136.	117
Selenium	JLF	2.5	40.	42.5	36.	85
Silver	SCD	0.5	10.	10.5	9.5	90
Thallium	JLF	<2.	100.	100.	102.	102
Zinc	KSW	870.	188.	1058.	1180.	105

Given to and subscribed before me this 11th day of December, 1984 at Knoxville, Tennessee My commission expires December 16, 1987

*[Signature]*  
Notary Public

*[Signature]*  
Approved by \_\_\_\_\_  
Laboratory Manager  
Title \_\_\_\_\_

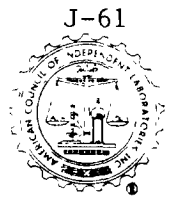


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# IT ANALYTICAL SERVICES

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## CERTIFICATE OF ANALYSIS

TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

G-5-F-1450-102-S-Y

		Amount Analyzed	Amount	Total Amount in	Amount	%
	Analyst	in Sample or Blank +	Added	Sample + Spike	Recovered	Recovery
Antimony	KSW	0.22	0.4	0.62	0.7	113
Arsenic	JLF/KSW	2.5	10.	12.5	15.1	121
Beryllium	SCD	<0.2	5.	5.	5.4	108
Cadmium	SCD	0.31	4.9	5.21	4.6	88
Chromium	SCD	10.	47.8	57.8	63.7	110
Copper	SCD	40.	46.8	86.8	90.4	104
Lead	KSW	37.	46.	83.	97.1	117
Mercury	SCD	3.0	4.	7.	8.	114
Nickel	SCD	20.	50.	70.	79.	113
Selenium	JLF	<0.3	40.	40.	39.	98
Silver	SCD	11.	10.	21.	24.	114
Thallium	JLF	<2.	100.	100.	102.	102
Zinc	KSW	88.	188.	276.	286.	104

This certificate is valid before me this 11th

December, 1984

My commission expires December 16, 1987

Notary Public

Approved by \_\_\_\_\_  
Laboratory Manager  
Title \_\_\_\_\_



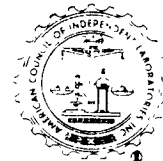
Accredited by the American Association for Laboratory Accreditation in the chemical  
and metallurgical fields as listed in the current AALA Directory of Accredited Laboratories



IT CORPORATION

# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



## CERTIFICATE OF ANALYSIS

TO IT Corporation  
 ATTN: Carol Colclough  
 312 Directors Drive  
 Knoxville, TN 37923

DATE REPORTED December 11, 1984  
 PROJECT CODE ITEK 19113  
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

G-3-I-1578-102-S-Y

	Analyst	Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	<0.1	1.0	1.0	0.4	40
Arsenic	JLF/KSW	1.8	4.0	5.8	5.4	93
Beryllium	SCD	0.60	5.0	5.6	5.2	93
Cadmium	SCD	<0.1	4.9	4.9	4.6	94
Chromium	SCD	3.9	47.8	51.7	48.	93
Copper	SCD	4.1	11.7	15.8	15.	95
Lead	KSW	2.1	5.0	7.1	6.8	96
Mercury	SCD	<0.1	0.4	0.4	0.6	150
Nickel	SCD	8.0	50.	58.	64.	110
Selenium	JLF	<0.1	40.	40.	29.	73
Silver	SCD	<0.2	10.	10.	9.5	95
Thallium	JLF	<2.	100.	100.	98.	98
Zinc	KSW	38.	188.	226.	218.	96

Witnessed before me this 11th

December, 1984

Witnessed before me this 16th

December, 1987

*[Signature]*  
 Notary Public

*[Signature]*  
 Approved by \_\_\_\_\_  
 Laboratory Manager  
 Title \_\_\_\_\_



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# IT ANALYTICAL SERVICES

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TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

*calc 12/11/84*  
~~I-7-K~~  
~~I-5-A-1047-109-S-Y~~

	Analyst	Reported Value	Blind Split
Antimony	KSW	0.1	0.1
Arsenic	JLF/KSW	5.7	6.7
Beryllium	SCD	<0.1	<0.1
Cadmium	SCD	0.1	<0.1
Chromium	SCD	10.	7.4
Copper	SCD	24.	17.
Lead	KSW	260.	180.
Mercury	SCD	0.2	<0.1
Nickel	SCD	7.6	4.3
Selenium	JLF	<0.6*	<0.4*
Silver	SCD	<0.2	<0.2
Thallium	JLF	<2.	<2.
Zinc	KSW	45.	42.
Cyanide	KLD	0.10	0.10
Phenols	DFW	7.9	7.8

\* = Higher detection limit due to matrix interference.

Results were checked before me this 11th day of December, 1984  
My commission expires December 16, 1987

*[Signature]*  
Notary Public

*[Signature]*  
Approval  
Laboratory Manager  
Title



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ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

G-5-F-1448-100-S-Y			
	<u>Analyst</u>	<u>Reported Value</u>	<u>Blind Split</u>
Antimony	KSW	0.67	0.80
Arsenic	JLF/KSW	4.2	4.0
Beryllium	SCD	0.32	0.40
Cadmium	SCD	0.41	0.30
Chromium	SCD	43.	47.
Copper	SCD	105.	116.
Lead	KSW	193.	215.
Mercury	SCD	4.3	4.4
Nickel	SCD	26.	29.
Selenium	JLF	<0.3*	<1.*
Silver	SCD	<0.2	<0.2
Thallium	JLF	<2.	<2.
Zinc	KSW	280.	252.

\* Detection limit higher than normal due to sample matrix interferences

I, \_\_\_\_\_, a Notary Public, do hereby certify that this certificate was issued before me this 11th day of

December, 1984

My commission expires December 16, 1987

Notary Public

\_\_\_\_\_  
Laboratory Manager



A member of the American Association for Laboratory Accreditation in the chemical and allied fields is listed in the current AALA Directory of Accredited Laboratories



# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



## CERTIFICATE OF ANALYSIS

TO IT Corporation  
 ATTN: Carol Colclough  
 312 Directors Drive  
 Knoxville, TN 37923

DATE REPORTED December 11, 1984  
 PROJECT CODE ITEK 19113  
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

G-3-I-1576-100-S-Y			
	<u>Analyst</u>	<u>Reported Value</u>	<u>Blind Split</u>
Antimony	KSW	<0.1	<0.1
Arsenic	JLF/KSW	2.5	2.0
Beryllium	SCD	0.6	0.6
Cadmium	SCD	<0.1	<0.1
Chromium	SCD	5.6	6.8
Copper	SCD	10.	12.
Lead	KSW	11.	11.
Mercury	SCD	<0.1	0.1
Nickel	SCD	12.	14.
Selenium	JLF	<0.2*	<1.*
Silver	SCD	<0.2	<0.2
Thallium	JLF	<2.	<2.
Zinc	KSW	89.	80.

\* Detection limit higher than normal due to sample matrix interferences

Not valid if a subpoena is served before me this 11th

of December, 1984

Not valid if a subpoena is served before me this December 16, 1987

*[Signature]*  
 Notary Public

*[Signature]*  
 Approved by \_\_\_\_\_  
 Laboratory Manager  
 Title \_\_\_\_\_



Accredited by the American Association for Laboratory Accreditation in the chemical field as listed in the current AALA Directory of Accredited Laboratories



# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



## CERTIFICATE OF ANALYSIS

TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

	Analyst	E-1-G-1401-100-S-Y	
		Reported Value	Blind Split
Antimony	KSW	0.20	0.35
Arsenic	JLF/KSW	1.4	1.2
Beryllium	SCD	<0.1	<0.1
Cadmium	SCD	3.9	4.6
Chromium	SCD	15.	16.
Copper	SCD	41.	46.
Lead	KSW	54.	65.
Mercury	SCD	14.	8.9
Nickel	SCD	15.	21.
Selenium	JLF	<0.4*	<1.*
Silver	SCD	<0.2	<0.2
Thallium	JLF	<2.	<2.
Zinc	KSW	170.	131.

\* Detection limit higher than normal due to sample matrix interferences

Notary Public  
I, \_\_\_\_\_, a Notary Public, do hereby certify that the above and before me this 11th December, 1984.  
Notary Public Expires December 16, 1987

Approved by \_\_\_\_\_  
Laboratory Manager  
Title \_\_\_\_\_



Member of the Analytical Association for Laboratory Accreditation in the chemical and physical sciences. Listed in the current AALA Directory of Accredited Laboratories



# IT ANALYTICAL SERVICES

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## CERTIFICATE OF ANALYSIS

TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

	Analyst	F-7-B-760-109-S-Y	
		Reported Value	Blind Split
Antimony	KSW	0.8	1.0
Arsenic	JLF/KSW	17.	31.
Beryllium	SCD	1.4	1.8
Cadmium	SCD	3.0	4.4
Chromium	SCD	17.	21.
Copper	SCD	300.	630.
Lead	KSW	470.	770.
Mercury	SCD	6.4	6.3
Nickel	SCD	66.	100.
Selenium	JLF	2.5	<0.4
Silver	SCD	0.5	0.4
Thallium	JLF	<2.	<2.
Zinc	KSW	870.	1200.
Cyanide	KLD	0.35	0.55
Phenols	DFW	36.	95.

Witness my hand and subscribed before me this 11th  
December, 1984  
My commission expires December 16, 1987

*[Signature]*  
Notary Public

*[Signature]*  
Approved by \_\_\_\_\_  
Laboratory Manager  
Title \_\_\_\_\_



Accredited by the American Association for Laboratory Accreditation in the chemical and metallurgical fields listed in the current AALA Directory of Accredited Laboratories





IT CORPORATION

# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



## CERTIFICATE OF ANALYSIS

TO IT Corporation  
 ATTN: Carol Colclough  
 312 Directors Drive  
 Knoxville, TN 37923

DATE REPORTED December 11, 1984  
 PROJECT CODE ITEK 19113  
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are mg/liter (ppm)

*I-5-A cae 12/13/84*  
~~I-7-K-1808-290-H-Y~~

		Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	0.015	0.02	0.035	0.046	131
Arsenic	JLF/KSW	0.261	0.50	0.761	1.23	162
Beryllium	SCD	0.010	0.05	0.060	0.061	102
Cadmium	SCD	0.006	0.049	0.055	0.047	85
Chromium	SCD	1.1	0.956	2.056	1.83	89
Copper	SCD	2.9	2.93	5.83	5.23	90
Lead	KSW	3.6	3.98	7.58	7.81	103
Mercury	SCD	0.035	0.10	0.135	0.146	108
Nickel	SCD	0.42	0.50	0.92	0.90	98
Selenium	JLF	<0.005	0.40	0.40	0.343	86
Silver	SCD	0.007	0.10	0.107	0.107	100
Thallium	JLF	<0.02	1.0	1.0	1.0	100
Zinc	KSW	9.0	1.88	10.88	11.8	108

... 11th  
 December, 1984  
 December 16, 1987  
*[Signature]*  
 Analyst

*[Signature]*  
 Approved  
 Laboratory Manager

is a member of the American Association for Laboratory Accreditation, in the chemical...  
 is listed in the current AALA Directory of Accredited Laboratories



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ATTN: Carol Colclough  
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Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are mg/liter (ppm)

I-2-L-1371-290-H-Y

	Analyst	Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	0.011	0.02	0.031	0.026	84
Arsenic	JLF/KSW	0.052	0.100	0.152	0.200	132
Beryllium	SCD	0.004	0.05	0.054	0.063	117
Cadmium	SCD	0.006	0.049	0.055	0.057	104
Chromium	SCD	0.38	0.478	0.858	0.82	96
Copper	SCD	0.59	1.17	1.76	1.86	106
Lead	KSW	3.2	3.98	7.18	7.43	103
Mercury	SCD	0.039	0.10	0.139	0.136	98
Nickel	SCD	0.13	0.50	0.63	0.70	111
Selenium	JLF	<0.02*	0.40	0.40	0.323	81
Silver	SCD	0.003	0.10	0.103	0.106	103
Thallium	JLF	<0.02	1.0	1.0	0.95	95
Zinc	KSW	2.4	1.88	4.28	4.64	108

\* Detection limit higher than normal due to sample matrix interference

Notary Public subscribed before me this 11th day of December, 1984  
My commission expires December 16, 1987

*[Signature]*  
Notary Public

*[Signature]*  
Approved by \_\_\_\_\_  
Laboratory Manager  
Title \_\_\_\_\_



Accredited by the American Association for Laboratory Accreditation in the chemical field as listed in the current AALA Directory of Accredited Laboratories



# IT ANALYTICAL SERVICES

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## CERTIFICATE OF ANALYSIS

TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are mg/liter (ppm)

	Analyst	F-7-B-1358-290-H-Y	
		Reported Value	Blind Split
Antimony	KSW	0.151	0.014
Arsenic	JLF/KSW	0.130	0.407
Beryllium	SCD	0.008	0.006
Cadmium	SCD	0.007	0.005
Chromium	SCD	0.02	0.13
Copper	SCD	0.98	1.28
Lead	KSW	2.4	2.7
Mercury	SCD	0.012	0.012
Nickel	SCD	0.30	0.32
Selenium	JLF	<0.02*	0.015
Silver	SCD	<0.002	<0.002
Thallium	JLF	<0.02	<0.02
Zinc	KSW	1.18	1.51

\* Detection limit higher than normal due to sample matrix interferences

Witnessed and subscribed before me this 11th day of December, 1984  
My commission expires December 16, 1987

Notary Public

Approved by \_\_\_\_\_  
Laboratory Manager  
Title \_\_\_\_\_



Accredited by the American Association for Laboratory Accreditation in the chemical and testing as listed in the current AALA Directory of Accredited Laboratories



IT CORPORATION

# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



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 312 Directors Drive  
 Knoxville, TN 37923

DATE REPORTED December 11, 1984  
 PROJECT CODE ITEK 19113  
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are mg/liter (ppm)

	Analyst	I-2-L-1806-290-H-Y	
		Reported Value	Blind Split
Antimony	KSW	0.012	0.004
Arsenic	JLF/KSW	0.236	0.164
Beryllium	SCD	0.009	0.007
Cadmium	SCD	0.018	0.017
Chromium	SCD	0.91	0.91
Copper	SCD	2.1	2.2
Lead	KSW	4.0	4.9
Mercury	SCD	0.066	0.266
Nickel	SCD	0.36	0.31
Selenium	JLF	<0.004*	<0.004*
Silver	SCD	0.015	0.018
Thallium	JLF	<0.02	<0.02
Zinc	KSW	5.6	5.5

\* Detection limit higher than normal due to sample matrix interferences

Order to be subscribed before me this 11th

December, 1984

Notary expires December 16, 1987

*[Signature]*  
 Notary Public

*[Signature]*  
 Approved by \_\_\_\_\_  
 Title Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical testing as listed in the current AALA Directory of Accredited Laboratories



# IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



## CERTIFICATE OF ANALYSIS

TO IT Corporation  
ATTN: Carol Colclough  
312 Directors Drive  
Knoxville, TN 37923

DATE REPORTED December 11, 1984  
PROJECT CODE ITEK 19113  
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Prep Blanks

Concentration units are mg/liter (ppm)

	<u>Analyst</u>	<u>PB 1</u>	<u>PB 2</u>	<u>PB 3</u>
Antimony	KSW	<0.001	<0.001	0.001
Arsenic	JLF/KSW	<0.001	0.004	<0.001
Beryllium	SCD	<0.001	<0.001	<0.001
Cadmium	SCD	<0.001	<0.001	<0.001
Chromium	SCD	<0.01	<0.01	0.02
Copper	SCD	<0.002	<0.002	<0.002
Lead	KSW	<0.01	<0.01	<0.01
Mercury	SCD	<0.001	<0.001	<0.001
Nickel	SCD	<0.01	<0.01	<0.01
Selenium	JLF	<0.001	0.001	<0.001
Silver	SCD	<0.002	<0.002	<0.002
Thallium	JLF	<0.02	<0.02	<0.02
Zinc	KSW	0.029	0.026	0.087
Cyanide	KLD	<0.01	<0.01	<0.01
Phenol	DFW	<0.01	<0.01	<0.01

Notary Public  
Subscribed before me this 11th day of December, 1984  
My commission expires December 16, 1987

*William K. Moore*  
\_\_\_\_\_  
Approved by  
Laboratory Manager  
\_\_\_\_\_  
Title



Accredited by the American Association for Laboratory Accreditation in the chemical and physical testing fields listed in the current AALA Directory of Accredited Laboratories



# IT ANALYTICAL SERVICES

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## CERTIFICATE OF ANALYSIS

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 ATTN: Carol Colclough  
 312 Directors Drive  
 Knoxville, TN 37923

DATE REPORTED December 11, 1984  
 PROJECT CODE ITEK 19113  
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Prep Blanks

Concentration units are mg/liter (ppm)

	<u>Analyst</u>	<u>PB 4</u>	<u>PB 5</u>	<u>PB 6</u>	<u>PB 7</u>
Antimony	KSW	<0.001	<0.001	<0.001	<0.001
Arsenic	JLF/KSW	<0.001	<0.001	<0.001	<0.001
Beryllium	SCD	<0.001	<0.001	<0.001	<0.001
Cadmium	SCD	<0.001	<0.001	<0.001	<0.001
Chromium	SCD	<0.01	<0.01	<0.01	<0.01
Copper	SCD	0.006	0.006	0.005	<0.002
Lead	KSW	<0.01	0.02	<0.01	<0.01
Mercury	SCD	<0.001	<0.001	<0.001	<0.001
Nickel	SCD	<0.01	<0.01	<0.01	<0.01
Selenium	JLF	0.001	0.001	0.002	0.001
Silver	SCD	<0.002	<0.002	<0.002	<0.002
Thallium	JLF	<0.02	<0.02	<0.02	<0.02
Zinc	KSW	0.009	0.016	0.017	0.004

Sworn to and subscribed before me this 11th

December, 1984

My commission expires December 16, 1987

*[Signature]*  
 Notary Public

*[Signature]*  
 Approved by \_\_\_\_\_  
 Laboratory Manager  
 Title \_\_\_\_\_



Accredited by the American Association for Laboratory Accreditation in the chemical and physical testing as listed in the current AALA Directory of Accredited Laboratories

PROGRAM QC RESULTS: BLANK WATER SAMPLE  
 QUANTITATIVE PRIORITY POLLUTANT  
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	ND (0.002 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-
3268-87-9	Octachlorodibenzo-p-dioxin	-

Volatile Organic Compounds (Concentration  
 Units are in µg/L)

71-43-2	Benzene	ND
56-23-5	Carbon tetrachloride	ND
108-90-7	Chlorobenzene	ND
107-06-2	1,2-Dichloroethane	ND
71-55-6	1,1,1-Trichloroethane	ND
75-34-3	1,1-Dichloroethane	ND
79-00-5	1,1,2-Trichloro-ethane	ND
79-34-5	1,1,2,2-Tetrachloro-ethane	ND
75-00-3	Chloroethane	ND
542-88-1	Bis(chloromethyl) ether	ND
110-75-8	2-Chloroethylvinyl ether	ND
67-66-3	Chloroform	ND
75-35-4	1,1-Dichloroethene	ND
156-60-5	trans-1,2-Dichloro-ethene	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE  
QUANTITATIVE PRIORITY POLLUTANT  
ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Volatiles (Continued)</u>		
78-87-5	1,2-Dichloropropane	ND
10061-02-6	trans-1,3-Dichloro- propene	ND
10061-01-5	cis-1,3-Dichloro- propene	ND
100-41-4	Ethylbenzene	ND
75-09-2	Methylene chloride	19
74-87-3	Chloromethane	ND
74-83-9	Bromomethane	ND
75-25-2	Bromoform	ND
75-27-4	Bromodichloromethane	ND
75-69-4	Trichlorofluoro- methane	ND
75-71-8	Dichlorodifluoro- methane	ND
124-48-1	Chlorodibromomethane	ND
127-18-4	Tetrachloroethene	ND
108-88-3	Toluene	ND
79-01-6	Trichloroethene	ND
75-01-4	Vinyl chloride	ND
67-64-1	Acetone	ND
78-93-3	2-Butanone	ND
75-15-0	Carbon disulfide	ND



PROGRAM QC RESULTS: BLANK WATER SAMPLE  
 QUANTITATIVE PRIORITY POLLUTANT  
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Volatiles (Continued)</u>		
519-78-6	2-Hexanone	ND
108-10-1	4-Methyl-2-pentanone	ND
100-42-5	Styrene	ND
108-05-4	Vinyl acetate	ND
95-47-6	Total Xylenes	ND
<u>Base/Neutral and Acid Organic Compounds</u> (Concentration Units are in $\mu\text{g/L}$ )		
88-06-2	2,4,6-Trichlorophenol	ND
59-50-7	4-Chloro-3-methyl-phenol	ND
95-57-8	2-Chlorophenol	ND
120-33-2	2,4-Dichlorophenol	ND
105-67-9	2,4-Dimethylphenol	ND
88-75-5	2-Nitrophenol	ND
100-02-7	4-Nitrophenol	ND
51-28-5	2,4-Dinitrophenol	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND
87-86-5	Pentachlorophenol	ND
108-95-2	Phenol	ND
65-85-0	Benzoic acid	ND
95-48-7	2-Methylphenol	ND
108-39-4	4-Methylphenol	ND
95-95-4	2,4,5-Trichlorophenol	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE  
 QUANTITATIVE PRIORITY POLLUTANT  
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Base/Neutral/Acids (Continued)</u>		
83-32-9	Acenaphthene	ND
92-87-5	Benzidine	ND
120-82-1	1,2,4-Trichlorobenzene	ND
118-74-1	Hexachlorobenzene	ND
67-72-1	Hexachloroethane	ND
111-44-4	Bis(2-chloroethyl) ether	ND
91-58-7	2-Chloronaphthalene	ND
95-50-1	1,2-Dichlorobenzene	ND
541-73-1	1,3-Dichlorobenzene	ND
106-46-7	1,4-Dichlorobenzene	ND
91-94-1	3,3'-Dichlorobenzidine	ND
121-14-2	2,4-Dinitrotoluene	ND
606-20-2	2,6-Dinitrotoluene	ND
122-66-7	1,2-Diphenylhydrazine	ND
206-44-0	Fluoranthene	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND
101-55-3	4-Bromophenyl phenyl ether	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND
111-91-1	Bis(2-chloroethoxy) methane	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE  
 QUANTITATIVE PRIORITY POLLUTANT  
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Base/Neutral/Acids (Continued)</u>		
87-68-3	Hexachlorobutadiene	ND
77-47-4	Hexachlorocyclo- pentadiene	ND
78-59-1	Isophorone	ND
91-20-3	Naphthalene	ND
98-95-3	Nitrobenzene	ND
62-75-9	N-nitrosodimethyl- amine	ND
86-30-6	N-nitrosodiphenylamine	ND
621-64-7	N-nitrosodipropyla- mine	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND
85-68-7	Butyl benzyl phthalate	ND
84-74-2	Di-N-butyl phthalate	ND
117-84-0	Di-N-octyl phthalate	ND
84-66-2	Diethyl phthalate	ND
131-11-3	Dimethyl phthalate	ND
56-55-3	Benzo(A)anthracene	ND
50-32-8	Benzo(A)pyrene	ND
205-99-2	Benzo(B)fluor- anthene	ND
207-08-9	Benzo(K)fluoranthene	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE  
 QUANTITATIVE PRIORITY POLLUTANT  
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Base/Neutral/Acids (Continued)</u>		
218-01-9	Chrysene	ND
208-96-8	Acenaphthylene	ND
120-12-7	Anthracene	ND
191-24-2	Benzo(GHI)perylene	ND
86-73-7	Fluorene	ND
85-01-	Phenanthrene	ND
53-70-3	Dibenzo(A,H) anthracene	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND
129-00-0	Pyrene	ND
62-53-3	Aniline	ND
100-51-6	Benzyl alcohol	ND
106-47-8	4-Chloroaniline	ND
132-64-9	Dibenzofuran	ND
91-57-6	2-Methylnaphthalene	ND
88-74-4	2-Nitroaniline	ND
99-09-2	3-Nitroaniline	ND
100-01-6	4-Nitroaniline	ND
<u>Pesticides and PCBs (Concentration Units are in µg/L)</u>		
309-00-2	Aldrin	ND
60-57-1	Dieldrin	ND
57-74-9	Chlordane	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE  
 QUANTITATIVE PRIORITY POLLUTANT  
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Pesticides and PCBs (Continued)</u>		
50-29-3	4,4'-DDT	ND
72-55-9	4,4'-DDE	ND
72-54-8	4,4'-DDD	ND
959-98-8	alpha-Endosulfan	ND
33213-65-9	beta-Endosulfan	ND
1031-07-8	Endosulfan sulfate	ND
72-20-8	Endrin	ND
7421-93-4	Endrin aldehyde	ND
76-44-8	Heptachlor	ND
1024-57-3	Heptachlor epoxide	ND
319-84-6	alpha-BHC	ND
319-85-7	beta-BHC	ND
58-89-9	gamma-BHC	ND
319-86-8	delta-BHC	ND
53469-21-9	PCB-1242	ND
11097-69-1	PCB-1254	ND
11104-28-2	PCB-1221	ND
11141-16-5	PCB-1232	ND
12672-29-6	PCB-1248	ND
11096-82-5	PCB-1260	ND
12674-11-2	PCB-1016	ND
8001-35-2	Toxaphene	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE  
QUANTITATIVE PRIORITY POLLUTANT  
ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g/L}</math>)</u>		
75-99-0	Dalapon (Dowpon)	ND
1918-00-9	Dicamba	ND
7085-19-0	MCPP	ND
94-74-6	MCPA	ND
120-36-5	Dichloroprop (2,4-DP)	ND
94-75-7	2,4-D	ND
93-72-1	2,4,5-TP (Silvex)	ND
93-76-5	2,4,5-T	ND
94-82-6	2,4-DB	ND
88-85-7	Dinoseb (DNBP)	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>		
	Antimony	<0.001
	Arsenic	0.005
	Beryllium	<0.002
	Cadmium	<0.001
	Chromium	<0.01
	Copper	0.004
	Lead	<0.01
	Mercury	<0.001
	Nickel	<0.01
	Selenium	<0.001

PROGRAM QC RESULTS: BLANK WATER SAMPLE  
QUANTITATIVE PRIORITY POLLUTANT  
ANALYTICAL RESULTS

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CAS Number	Compound Name	Y1470
<u>Metals (Continued)</u>		
	Silver	<0.002
	Thallium	<0.02
	Zinc	0.001
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>		
	Total Cyanide	<0.01
	Total Phenols	<0.01

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D255B-PRS-39.1 to 39.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 SOIL BORING #3: STATION I-7-K, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	350 ppb	1030 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND



ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 SOIL BORING #3: STATION I-7-K, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	89	88
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	150*	130*
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 SOIL BORING #3: STATION I-7-K, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
88-06-2	2,4,6-Trichlorophenol	8900	1500*
59-50-7	4-Chloro-3-methyl- phenol	ND	ND
95-57-8	2-Chlorophenol	600*	210*
120-33-2	2,4-Dichlorophenol	30000	7000
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2- methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	7900	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 SOIL BORING #3: STATION I-7-K, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	5900	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	720*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	320*
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 SOIL BORING #3: STATION I-7-K, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	300*	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 SOIL BORING #3: STATION I-7-K, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 SOIL BORING #3: STATION I-7-K, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	ND
72-55-9	4,4'-DDE	6500	9400
72-54-8	4,4'-DDD	ND	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 SOIL BORING #3: STATION I-7-K, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1038 Original</u>	<u>Y1048 Blind Split</u>
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
75-99-0	Dalapon (Dowpon)	ND	900
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	6500	11000
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	2500	2500
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	0.5	0.3
	Arsenic	1.0	2.6
	Beryllium	<0.1	<0.1
	Cadmium	0.5	0.5
	Chromium	15	17
	Copper	77	86
	Lead	300	340
	Mercury	0.7	0.3
	Nickel	32	38
	Selenium	<3	<0.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
SOIL BORING #3: STATION I-7-K, 0-6"  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1038 Original</u>	<u>Y1048 Blind Split</u>
<u>Metals (Continued)</u>			
	Silver	<0.2	<0.2
	Thallium	<2	<2
	Zinc	190	210
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.10	0.10
	Total Phenols	13	13

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D255B-PRS-33.1 to 33.9



ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	326 ppb	462 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	120	100
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	130*
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	110000	170000
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM OC RESULTS  
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	5300*
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	3500000	2780000
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	ND	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
75-99-0	Dalapon (Dowpon)	16000	15000
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	3600	5200
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	2000	2100
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	2	2.7
	Arsenic	11	16
	Beryllium	<0.1	<0.1
	Cadmium	0.9	2.4
	Chromium	38	37
	Copper	260	240
	Lead	490	490
	Mercury	8.2	6.8
	Nickel	82	110
	Selenium	<0.6	<0.6



ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
NEAR SURFACE SOIL: STATION A-2-G, 0-6"  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Metals (Continued)</u>			
	Silver	0.5	0.3
	Thallium	<2	<2
	Zinc	29000	1000
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.62	2.1
	Total Phenols	3.2	4.5

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D255B-PRS-42.1 to 42.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	3.6 ppb	1.8 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	54	77
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	97
108-88-3	Toluene	ND	5*
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	240	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1471 Original</u>	<u>Y1474 Blind Split</u>
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methyl- phenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2- methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM OC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	1300*	290*
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM OC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	ND
72-55-9	4,4'-DDE	20**	ND
72-54-8	4,4'-DDD	ND	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND



ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1471 Original</u>	<u>Y1474 Blind Split</u>
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPPP	ND	ND
94-74-6	MCPA	ND <sup>a</sup>	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	<0.1	<0.1
	Arsenic	0.82	0.55
	Beryllium	<0.2	<0.2
	Cadmium	0.12	<0.1
	Chromium	3.1	2.1
	Copper	12	12
	Lead	2.0	2.0
	Mercury	<0.1	<0.1
	Nickel	5.3	3.6
	Selenium	<0.1	<0.1

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Metals (Continued)</u>			
	Silver	<0.2	<0.2
	Thallium	<2	<2
	Zinc	43	44
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.20	0.18
	Total Phenols	0.69	<0.5

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide-estimated concentration range 10,000 to 100,000 ppb (MCPA was not detected).

D255B-PRS-41.1 to 41.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 WELL WATER: STATION I-2-L, WELL #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	0.68 ppb	0.18 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>			
71-43-2	Benzene	430*	310*
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	10000	6500
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 WELL WATER: STATION I-2-L, WELL #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	740	280*
75-09-2	Methylene chloride	320*	360*
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	1000	690
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 WELL WATER: STATION I-2-L, WELL #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	960	710
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	160*	170*
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	400*	420*
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	8800	8500

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 WELL WATER: STATION I-2-L, WELL #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	200*	180*
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	390*	360*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	590*	550*
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 WELL WATER: STATION I-2-L, WELL #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	320*	300*
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM OC RESULTS  
 WELL WATER: STATION I-2-L, WELL #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	260*	230*
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in <math>\mu\text{g/L}</math>)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND



ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 WELL WATER: STATION I-2-L, WELL #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	22000	15000
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	13000	9500
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
 WELL WATER: STATION I-2-L, WELL #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g/L}</math>)</u>			
75-99-0	Dalapon (Dowpon)	ND	570
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	0.012	0.011
	Arsenic	0.118	0.052
	Beryllium	0.005	0.004
	Cadmium	0.007	0.006
	Chromium	0.41	0.38
	Copper	0.70	0.59
	Lead	2.2	0.19
	Mercury	0.028	0.039
	Nickel	0.15	0.13
	Selenium	<0.02	<0.02

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS  
WELL WATER: STATION I-2-L, WELL #1  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1359 Original</u>	<u>Y1371 Blind Split</u>
<u>Metals (Continued)</u>			
	Silver	0.004	0.003
	Thallium	<0.02	<0.02
	Zinc	2.8	2.4
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.01	0.02
	Total Phenols	15.3	12.9

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D255B-PRS-40.1 to 40.9

ITAS INTERLABORATORY SPLITS: SOILS  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Volatile Organic Compounds (Concentration Units are in µg/kg)					
71-43-2	Benzene	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND
67-66-3	Chloroform	ND	2*	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Volatiles (Continued)					
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND
75-09-2	Methylene chloride	54	21	64	4500
74-87-3	Chloromethane	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND
67-64-1	Acetone	290*	24	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Volatiles (Continued)					
519-78-6	2-Hexanone	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND
Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$ )					
88-06-2	2,4,6-Trichlorophenol	3300	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND	ND
120-33-2	2,4-Dichlorophenol	8900	ND	980*	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND
108-95-2	Phenol	ND	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	1800*	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	4200	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Base/Neutral/Acids (Continued)					
83-32-9	Acenaphthene	ND	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	8600	7000	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	230*	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	470*	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND
206-44-0	Fluoranthene	1500*	ND	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Base/Neutral/Acids (Continued)					
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND
91-20-3	Naphthalene	200*	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	1500*	ND	ND	ND
50-32-8	Benzo(A)pyrene	1900*	6000	ND	ND
205-99-2	Benzo(B)fluor- anthene	2100	6000	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	ND	ND



ITAS INTERLABORATORY SPLITS: SOILS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Base/Neutral/Acids (Continued)					
218-01-9	Chrysene	ND	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	690*	ND
120-12-7	Anthracene	310*	ND	3000	ND
191-24-2	Benzo(GHI)perylene	3300	ND	11000	ND
86-73-7	Fluorene	ND	ND	ND	ND
85-01-	Phenanthrene	910*	ND	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	2200	ND	ND	ND
129-00-0	Pyrene	2200	ND	ND	ND
62-53-3	Aniline	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	220*	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND
Pesticides and PCBs (Concentration Units are in µg/kg)					
309-00-2	Aldrin	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Pesticides and PCBs (Continued)					
50-29-3	4,4'-DDT	20000	20000	620**	870**
72-55-9	4,4'-DDE	3700	5500	270**	370**
72-54-8	4,4'-DDD	6800	11000	ND	75**
959-98-8	alpha-Endosulfan	8900**	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	17000	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Chlorinated Herbicides (Concentration Units are in $\mu\text{g}/\text{kg}$ )					
75-99-0	Dalapon (Dowpon)	ND	ND	1800	110
1918-00-9	Dicamba	ND	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND
94-75-7	2,4-D	2100	340	ND	270
93-72-1	2,4,5-TP (Silvex)	ND	500	ND	ND
93-76-5	2,4,5-T	2300	700	ND	82
94-82-6	2,4-DB	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND
Metals (Concentration Units are in Parts per Million - ppm)					
	Antimony	0.10	6.7	4.5	9
	Arsenic	8.5	3.3	18	18
	Beryllium	<0.2	<0.3	0.34	<0.4
	Cadmium	<0.1	0.4	<0.1	0.3
	Chromium	12	12	7.7	5.0
	Copper	56	63	47	49
	Lead	300	329	400	390
	Mercury	39	17	0.9	0.4
	Nickel	7.4	11	11	13
	Selenium	<0.2	0.068	<0.3	0.07

ITAS INTERLABORATORY SPLITS: SOILS  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Metals (Continued)					
	Silver	<0.2	1.5	1.1	1.3
	Thallium	<2	<6	<2	<5
	Zinc	76	89	97	120
Classical Parameters (Concentration Units are in Parts per Million - ppm)					
	Total Cyanide	0.33	3.1	1.97	1.0
	Total Phenols	11	20	1.0	0.2

D255D-SOIL-1 to SOIL-9

ITAS INTERLABORATORY SPLIT: WATER  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802 Original	K1811/C1810 Splits
Volatile Organic Compounds (Concentration Units are in µg/L)			
71-43-2	Benzene	12	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

ITAS INTERLABORATORY SPLIT: WATER  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Volatiles (Continued)			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	5*	2*
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS INTERLABORATORY SPLIT: WATER  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Volatiles (Continued)			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	43	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

ITAS INTERLABORATORY SPLIT: WATER  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Base/Neutral/Acids (Continued)			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	3*	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND



ITAS INTERLABORATORY SPLIT: WATER  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Base/Neutral/Acids (Continued)			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	12*	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	27	29
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	8*	6*
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	5*
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluoranthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

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CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Base/Neutral/Acids (Continued)			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	3*	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	5*	4*
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	5*	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
Pesticides and PCBs (Concentration Units are in µg/L)			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

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 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Pesticides and PCBs (Continued)			
50-29-3	4,4'-DDT	14**	55
72-55-9	4,4'-DDE	7**	25
72-54-8	4,4'-DDD	7**	27
959-98-8	alpha-Endosulfan	ND	83**
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

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 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

		Y1802	K1811/C1810
CAS Number	Compound Name	Original	Splits
Chlorinated Herbicides (Concentration Units are in µg/L)			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	0.47**
93-76-5	2,4,5-T	ND	2.5**
94-82-6	2,4-DB	ND	3.4**
88-85-7	Dinoseb (DNBP)	ND	ND
Metals (Concentration Units are in Parts per Million - ppm)			
	Antimony	0.024	<0.7
	Arsenic	0.494	0.9
	Beryllium	0.002	<0.05
	Cadmium	0.005	0.02
	Chromium	0.18	0.2
	Copper	0.513	0.77
	Lead	2.5	3.7
	Mercury	0.048	0.07
	Nickel	0.12	0.2
	Selenium	<0.003	0.009

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QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

		Y1802	K1811/C1810
CAS Number	Compound Name	Original	Splits
Metals (Continued)			
	Silver	0.002	<0.07
	Thallium	<0.02	<0.5
	Zinc	5.4	7.3
Classical Parameters (Concentration Units are in Parts per Million - ppm)			
	Total Cyanide	0.03	8.2
	Total Phenols	0.04	0.2

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