

# **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.**

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## TABLE OF CONTENTS

	<u>PAGE</u>
LIST OF TABLES	vii
LIST OF FIGURES	xiv
EXECUTIVE SUMMARY	E-1
1.0 INTRODUCTION	1-1
2.0 SITE HISTORY AND EXISTING CONDITIONS	2-1
2.1 SITE LOCATION	2-1
2.2 SITE HISTORY	2-1
2.2.1 History Prior to Purchase by Diamond Shamrock	2-1
2.2.2 History During Ownership by Diamond Alkali and Diamond Shamrock (March 1951 to March 1971)	2-3
2.2.3 History During Chemicaland and Subsequent Ownership (March 1971 to the Present)	2-5
2.3 GENERAL PROCESS DESCRIPTION	2-7
2.3.1 NaTCP	2-7
2.3.2 2,4-DCP	2-8
2.3.3 MCA	2-8
2.3.4 HCl	2-8
2.3.5 2,4-D	2-8
2.3.6 2,4,5-T	2-9
2.3.7 Esters of 2,4-D and 2,4,5-T	2-9
2.3.8 Amines of 2,4-D and 2,4,5-T	2-9
2.4 PRESENT CONDITION OF THE PLANT	2-10
2.4.1 Buildings and Facilities	2-10
2.4.2 Site Protection	2-11
2.5 SITE INVESTIGATION	2-11
3.0 REGIONAL SETTING	3-1
3.1 CLIMATE AND METEOROLOGY	3-1
3.1.1 General	3-1
3.1.2 Wind	3-1
3.1.3 Temperature	3-2

TABLE OF CONTENTS  
(Continued)

	<u>PAGE</u>
3.1.4 Precipitation	3-2
3.1.5 Evaporation	3-3
3.2 GEOLOGY AND LANDFORMS	3-3
3.2.1 Physiography	3-3
3.2.2 Regional Structural Geology	3-4
3.3 HYDROLOGY	3-6
3.3.1 Surface Water	3-6
3.3.2 Ground Water	3-10
3.4 FLORA AND FAUNA	3-13
3.5 LAND USAGES	3-14
4.0 SITE INVESTIGATION	4-1
4.1 GENERAL PROGRAMS	4-4
4.1.1 Industrial Hygiene	4-4
4.1.2 Sample Handling and Documentation	4-5
4.1.3 Analytical Quality Assurance/Quality Control	4-6
4.1.3.1 Field and Trip Blank Requirements	4-7
4.1.3.2 Sample Preservation and Shipment	4-8
4.1.3.3 Sample Custody Requirements	4-8
4.1.3.4 Sample Container Preparation	4-9
4.1.3.5 Laboratory Quality Control Checks	4-9
4.1.3.6 Program Level Quality Control	4-10
4.1.3.6.1 Non-VOA Field Blanks	4-11
4.1.3.6.2 Blanks	4-11
4.1.3.6.3 Blank Spikes	4-11
4.1.3.6.4 On-Site Directed Splits	4-12
4.1.3.6.5 ITAS Interlaboratory Splits	4-12
4.1.3.7 Corrective Action	4-13
4.1.4 Analytical Methods	4-13
4.2 SAMPLING, MONITORING, AND PHYSICAL TESTING	4-15

TABLE OF CONTENTS  
(Continued)

	<u>PAGE</u>
4.2.1 Ambient Air	4-15
4.2.2 Industrial Hygiene	4-19
4.2.3 Buildings, Structures, and Equipment	4-20
4.2.3.1 Facilities Sampled and Methodology	4-20
4.2.3.2 Sample Locations	4-22
4.2.4 Sewers and Sumps	4-27
4.2.5 Soils	4-28
4.2.5.1 Drilled Borings	4-28
4.2.5.1.1 Drilling Procedures	4-28
4.2.5.1.2 Sample Collection Procedures	4-29
4.2.5.2 Near-Surface Soil Sampling	4-31
4.2.6 Ground Water	4-34
4.2.6.1 Well Installation	4-35
4.2.6.2 Well Development	4-37
4.2.6.3 Water Level Monitoring	4-37
4.2.6.4 Ground Water Sampling	4-37
4.2.6.5 Slug Tests	4-39
4.2.7 Passaic River Water	4-39
4.2.7.1 River Level Monitoring	4-39
4.2.7.2 River Water Sampling	4-40
4.2.8 Passaic River Sediment	4-40
4.2.9 Background Soils	4-42
4.2.10 Drum Sampling	4-42
5.0 DATA PRESENTATION	5-1
5.1 AMBIENT AIR	5-1
5.2 INDUSTRIAL HYGIENE	5-3
5.2.1 Atmospheric Samples for Dioxin	5-3
5.2.2 Wipe and Water Samples for Dioxin	5-4



TABLE OF CONTENTS  
(Continued)

	<u>PAGE</u>
5.2.3 Atmospheric Samples for Volatile Organics, Semi-Volatile Organics, Alcohols, 2,4,5-T, 2,4-D, Asbestos, and Sulfuric Acid	5-5
5.2.4 Heat Stress	5-5
5.2.5 Noise Monitoring	5-5
5.2.6 General Health and Safety	5-5
5.3 BUILDINGS AND STRUCTURES	5-6
5.3.1 Office and Laboratory Building	5-7
5.3.2 Warehouse	5-7
5.3.3 Manufacturing Building	5-7
5.3.4 Process Building	5-8
5.3.5 Other Structures	5-8
5.3.6 Tanks	5-8
5.4 SEWERS AND SUMPS	5-9
5.5 SOILS	5-10
5.5.1 Subsurface Lithology	5-10
5.5.2 Analytical Laboratory Testing	5-11
5.5.2.1 Near-Surface Soil Samples	5-12
5.5.2.2 Boring Soil Samples	5-15
5.5.2.3 Additional Dioxin Analyses	5-17
5.6 GROUND WATER	5-19
5.6.1 Ground Water Levels	5-19
5.6.2 Hydraulic Conductivities	5-19
5.6.3 Ground Water Flow Rates	5-21
5.6.4 Analytical Laboratory Testing	5-21
5.7 PASSAIC RIVER WATER	5-23
5.7.1 Passaic River Levels	5-23
5.7.2 Analytical Laboratory Testing	5-23
5.8 PASSAIC RIVER SEDIMENTS	5-24
5.9 BACKGROUND SAMPLES	5-26
5.9.1 Sherwin-Williams	5-26

TABLE OF CONTENTS  
(Continued)

	<u>PAGE</u>
5.9.2 Newark	5-27
5.10 DRUM WASTE CATEGORIZATION DATA AND DIOXIN ANALYSES	5-28
5.11 2,3,7,8-TETRACHLORODIBENZOFURANS AND OCTACHLORO-DIBENZO-P-DIOXIN ANALYSES	5-30
5.12 ANALYTICAL RESULTS FOR QUALITY ASSURANCE/QUALITY CONTROL CHECKS	5-31
5.12.1 Sampling Quality Control Checks: Field and Trip Blanks	5-32
5.12.2 Individual Laboratory Quality Control Checks	5-33
5.12.2.1 Organic Priority Pollutant Analyses - ITC Cerritos Laboratory	5-33
5.12.2.1.1 Soil QC Summary	5-34
5.12.2.1.2 Sediment QC Summary	5-36
5.12.2.1.3 Water QC Summary	5-37
5.12.2.2 Inorganic Priority Pollutant and Classical Analyses - ITC Middlebrook Pike Laboratory	5-38
5.12.2.3 Dioxin Analysis - ITC Directors Drive Laboratory	5-40
5.12.3 Program Quality Control Checks	5-42
5.12.3.1 QC Blanks	5-42
5.12.3.2 QC Blank Spikes	5-43
5.12.3.3 Directed Sample Splits	5-43
5.12.3.4 ITC Interlaboratory Splits	5-44
5.12.4 NJDEP-Designated Quality Control Checks	5-45
6.0 SITE CHARACTERIZATION	6-1
6.1 AMBIENT AIR	6-1
6.2 WASTE CHARACTERIZATION	6-2
6.3 FACILITIES	6-4
6.4 SOILS AND GEOLOGY	6-6
6.4.1 Site Geologic Model	6-6
6.4.2 Fill	6-6

TABLE OF CONTENTS  
(Continued)

	<u>PAGE</u>
6.4.3 Silt	6-8
6.4.4 Glacio-Fluvial Sands	6-10
6.4.5 Bedrock Units	6-10
6.5 GROUND WATER HYDROLOGY	6-10
6.5.1 Site Hydrogeologic Model	6-10
6.5.2 Piezometric Levels	6-12
6.5.3 Hydraulic Conductivities	6-12
6.5.4 Ground Water Flow	6-13
6.5.5 Extent of Contamination	6-15
6.6 RIVER SEDIMENTS	6-16
7.0 CONCLUSIONS AND RECOMMENDATIONS	7-1
7.1 DRUMS	7-1
7.2 BUILDINGS	7-1
7.3 TANKS AND PIPING	7-2
7.4 SEWERS	7-2
7.5 SOILS	7-2
7.6 GROUND WATER	7-2
7.7 RIVER SEDIMENTS	7-3
APPENDIX A	
APPENDIX B	
APPENDIX C	
APPENDIX D	
APPENDIX E	
APPENDIX F	
APPENDIX G	
APPENDIX H	
APPENDIX I	
APPENDIX J	

## LIST OF TABLES

<u>TABLE NUMBER</u>	<u>TITLE</u>
2.2.1-1	Raw Materials and Finished Products During Kolker, Diamond Alkali, and Diamond Shamrock Ownership
2.2.1-2	Chemicals Produced by Kolker Chemical Works
2.2.2-1	Major Events During Diamond Shamrock and Subsequent Ownership
3.1.2-1	Seasonal and Annual Occurrence of Wind Direction
3.1.2-2	Monthly Average Wind Speed and Prevailing Wind Direction
3.1.3-1	Average Mean, Maximum, and Minimum Temperature, Newark, New Jersey
3.1.4-1	Precipitation Data, Newark, New Jersey
3.3.1-1	Drainage Areas and Mean Annual Flows in the Passaic River Basin
3.3.2-1	Permitted Wells Within One Mile of 80 Lister Avenue
4.1.3.2-1	Sample Packaging Requirements
4.1.3.2-2	Sample Preservation Requirements
4.1.3.5-1	Routine Quality Control Samples and Laboratory Check Frequencies
4.1.4-1	Analysis Parameters Versus Sample Matrices
4.1.4-2	Listing of Analytes
4.2.1-1	Ambient Air Analysis Components
4.2.3-1	Sample Summary for Buildings, Structures, and Equipment
4.2.3.2-1	Office and Laboratory Building Sample Locations
4.2.3.2-2	Warehouse Sample Locations
4.2.3.2-3	Process Building Sample Locations
4.2.3.2-4	Chemical Manufacturing Building Sample Locations
4.2.5-1	Coordinates and Elevations of Near-Surface Soil Samples, Borings, and Monitoring Wells
5.1-1	Ambient Air Samples Results: Iron and Manganese

LIST OF TABLES  
(Continued)

<u>TABLE NUMBER</u>	<u>TITLE</u>
5.1-2	Site Investigation Ambient Air Results for Total Suspended Particulates (TSP), Inhalable Particulate Matter (IPM), and Metals
5.1-3	Site Investigation Ambient Air Results for Dioxin
5.1-4	Site Investigation Ambient Air Results for Vinyl Chloride and VOC's
5.1-5	Site Investigation Ambient Air Results for Asbestos
5.1-6	Site Investigation Ambient Air Results for Pesticides
5.1-7	Site Investigation Ambient Air Results for PNA
5.2.1-1	Industrial Hygiene 2,3,7,8-TCDD Monitoring Results
5.2.3-1	Summary of Organic Compounds, Asbestos, and Sulfuric Acid Results in Industrial Hygiene Monitoring Samples
5.3-1	Summary of Asbestos Analysis in Buildings and Structures
5.3-2	Asbestos Analysis Results, Buildings and Structures
5.3-3	Summary of 2,3,7,8-TCDD Results, Buildings and Structures
5.3-4	2,3,7,8-TCDD Sample Re-Analysis Summary, Buildings and Structures
5.3.1-1	2,3,7,8-TCDD Sample Analysis, Office and Laboratory Building
5.3.2-1	2,3,7,8-TCDD Sample Analysis, Warehouse
5.3.3-1	2,3,7,8-TCDD Sample Analysis, Manufacturing Building
5.3.4-1	2,3,7,8-TCDD Sample Analysis, Process Building
5.3.5-1	2,3,7,8-TCDD Results, Other Structures
5.3.6-1	2,3,7,8-TCDD Analysis Results of Tank Samples
5.3.6-2	Summary of 2,3,7,8-TCDD Reanalysis Results
5.4-1	Sewers and Sumps, 2,3,7,8-TCDD Results Summary
5.4-2	2,3,7,8-TCDD Results, Sewers and Sumps

LIST OF TABLES  
(Continued)

<u>TABLE NUMBER</u>	<u>TITLE</u>
5.4-3	Sewer and Sump Sample 2,3,7,8-TCDD Reanalysis Results Summary
5.5.2-1	Designated Analysis for Near-Surface and Boring Soil Samples
5.5.2.1-1	Collected Near-Surface Soil Samples
5.5.2.1-2	Near-Surface Soil Sample 2,3,7,8-TCDD Reanalysis Summary
5.5.2.1-3	Near-Surface Soil Sample 2,3,7,8-TCDD Results
5.5.2.1-4	Near-Surface Soils, Organic Priority Pollutant Analysis Levels
5.5.2.1-5	Summary of Detected Base/Neutral/Acid Organic Compounds, Near-Surface Soils
5.5.2.1-6	Summary of Detected Volatile Organics, Near-Surface Soils
5.5.2.1-7	Summary of Detected Herbicides, Pesticides, and PCB's, Near-Surface Soils
5.5.2.1-8	Summary of Detected Inorganic Parameters, Near-Surface Soils
5.5.2.2-1	Summary of Boring Soil Samples Collected for Chemical Analyses
5.5.2.2-2	Boring Soil Sample 2,3,7,8-TCDD Reanalysis Summary
5.5.2.2-3	Boring Soil Samples, 2,3,7,8-TCDD Results
5.5.2.2-4	Boring Soil Samples, Organic Priority Pollutant Analysis Levels
5.5.2.2-5	Summary of Detected Base/Neutral/Acid Organics in Soil Borings
5.5.2.2-6	Summary of Detected Volatile Organics in Soil Borings
5.5.2.2-7	Summary of Detected Herbicides, Pesticides, and PCB's in Soil Borings
5.5.2.2-8	Summary of Detected Inorganic Parameters in Soil Borings
5.5.2.3-1	Additional Selected Silt Zone Samples for 2,3,7,8-TCDD Analysis
5.6.1-1	Summary of Monitoring Well Data

LIST OF TABLES  
(Continued)

<u>TABLE NUMBER</u>	<u>TITLE</u>
5.6.1-2	Results of Slug-Test Analyses
5.6.2-1	Representative Hydraulic Conductivity Values
5.6.4-1	Ground Water 2,3,7,8-TCDD Reanalysis Summary
5.6.4-2	Summary of 2,3,7,8-TCDD for Ground Water
5.6.4-3	Summary of Detected Base/Neutral/Acid Organics, Well Water Samples
5.6.4-4	Summary of Detected Volatile Organics, Well Water Samples
5.6.4-5	Summary of Detected Herbicides, Pesticides, and PCB's, Well Water Samples
5.6.4-6	Summary of Detected Inorganic Parameters, Well Water Samples
5.7.2-1	Summary of Detected Compounds in Passaic River Water Samples
5.8-1	Designated Analyses for Passaic River Sediments
5.8-2	Passaic River Sediment Samples, 2,3,7,8-TCDD Analysis Results
5.8-3	Resampling 2,3,7,8-TCDD Results of Passaic River Sediment Station 1-3-0
5.8-4	Passaic River Sediment Samples, Organic Priority Pollutant Analysis Levels
5.8-5	Summary of Detected Base/Neutral/Acid Organic Compounds, Passaic River Sediments
5.8-6	Summary of Detected Volatile Organic Compounds, Passaic River Sediments
5.8-7	Summary of Detected Inorganic Parameters, Passaic River Sediments
5.8-8	Summary of Detected Inorganic Parameters, Passaic River Sediments
5.9.1-1	Results of 2,3,7,8-TCDD Analysis of Boring Samples from Sherwin-Williams Property, Brown Street and Lister Avenue, Newark, New Jersey
5.9.2-1	Results of 2,3,7,8-TCDD Analysis, Newark, New Jersey Background Samples

LIST OF TABLES  
(Continued)

<u>TABLE NUMBER</u>	<u>TITLE</u>
5.9.2-2	Summary of Detected Base/Neutral/Acid Organic Compounds, Near-Surface Soils from Site and Newark Background Samples
5.9.2-3	Summary of Detected Volatile Organics, Near-Surface Soils from Site and Newark Background Samples
5.9.2-4	Summary of Detected Herbicides, Pesticides, and PCB's, Near-Surface Soils from Site and Newark Background Samples
5.9.2-5	Summary of Detected Inorganic Parameters, Near-Surface Soils from Site and Newark Background Samples
5.10-1	2,3,7,8-TCDD Analysis Results, Drum Sampling Program
5.11-1	Results of Analyses of Selected Samples, 2,3,7,8-TCDD, 2,3,7,8-TCDF, and OCDD
5.12-1	Quality Assurance Objectives
5.12.1-1	Field Blank Collection Summary
5.12.1-2	Quality Control Results, Field Blanks for 2,3,7,8-TCDD Analysis
5.12.1-3	Quality Control Results, Field and Trip Blanks for Priority Pollutant Metals Analysis
5.12.1-4	Quality Control Results, Field and Trip Blanks for Cyanide/Phenols Analysis
5.12.1-5	Summary of Volatile Contaminants in Field and Trip Blanks
5.12.2.1-1	Quality Control Acceptance Criteria, Surrogate Recoveries
5.12.2.1-2	Quality Control Acceptance Criteria, Spike Recoveries and RPD
5.12.2.1.1-1	QC Summary Data, Organic Priority Pollutant Surrogate Recovery Results, Soils
5.12.2.1.1-2	Quality Control Summary Data: Organic Priority Pollutant Surrogate Recovery Results Outside of QC Acceptance Limits
5.12.2.1.1-3	Quality Control Check Frequencies, Soils



LIST OF TABLES  
(Continued)

<u>TABLE NUMBER</u>	<u>TITLE</u>
5.12.2.1.1-4	Quality Control Summary Data, Volatile Organic Priority Pollutant Spike Recovery and Duplicate Results, Soils
5.12.2.1.1-5	Quality Control Summary Data, Base/Neutral/Acid Priority Pollutant Spike Recovery and Duplicate Results, Soils
5.12.2.1.1-6	Quality Control Summary Data, Priority Pollutant Pesticide and Herbicide Spike Recovery and Duplicate Results, Soils
5.12.2.1.2-1	Quality Control Summary Data, Organic Priority Pollutant Surrogate Recovery Results, Sediments
5.12.2.1.2-2	Quality Control Summary Data, Volatile Priority Pollutant and Herbicide Spike Recovery and Duplicate Results, Sediments
5.12.2.1.2-3	Quality Control Summary Data, Base/Neutral/Acid Priority Pollutant Spike Recovery and Duplicate Results, Sediments
5.12.2.1.2-4	Quality Control Summary Data, Priority Pollutant Pesticide Spike Recovery and Duplicate Results, Sediments
5.12.2.1.3-1	Quality Control Summary Data, Organic Priority Pollutant Surrogate Recovery Results, Waters
5.12.2.1.3-2	Quality Control Summary Data, Organic Priority Pollutant Surrogate Water Recovery Results Outside of Quality Control Acceptance Limits
5.12.2.1.3-3	Quality Control Data, Organic Priority Pollutant Spike Recovery and Duplicate Results, Waters
5.12.2.2-1	Quality Control Check Sample Frequencies, Inorganic/Classical Analyses
5.12.2.2-2	Quality Control Summary Data, Inorganic Parameters Spike Recovery and Duplicate Results
5.12.2.3-1	Laboratory Duplicate Results Summary, 2,3,7,8-TCDD
5.12.2.3-2	Laboratory Spike Recovery Results Summary, Dioxin
5.12.3.1-1	Program QC Blank Sample Results, 2,3,7,8-TCDD Analysis
5.12.3.2-1	Program QC Blank Spike Sample Results, 2,3,7,8-TCDD Analysis

LIST OF TABLES  
(Continued)

<u>TABLE NUMBER</u>	<u>TITLE</u>
5.12.3.3-1	ITAS Sample Split Results Summary, 2,3,7,8-TCDD Analysis
5.12.4-1	NJDEP-Designated Split Samples
5.12.4-2	NJDEP Soil Proficiency Sample Results
6.3-1	Estimated Volume of Contaminated Materials from Major Buildings
6.4.2-1	2,3,7,8-TCDD Concentration Ranges Versus Number of Samples Analyzed

## LIST OF FIGURES

<u>FIGURE NUMBER</u>	<u>TITLE</u>
2.1-1	80 Lister Avenue Site Location
2.1-2	Plot Plan for 80 Lister Avenue and Adjacent Properties
2.2.1-1	Property Location Map
2.2.1-2	Location of Abandoned Sewer Lines
2.2.2-1	Facility Layout Prior to Explosion
2.2.2-2	Rebuilt Plant Configuration
3.1.2-1	Wind Direction and Frequency (%) 1965-1974
3.1.2-2	Average Wind Speed for Wind Direction
3.2.1-1	Land Form Map of the Piedmont Lowland Province
3.2.2-1	Generalized Geologic Cross Section of the Piedmont Lowland Province
3.2.2-2	Location of Drainage and Deltas Formed During the Retreat of the Wisconsin Glaciation
3.2.2-3	Extinct Glacial Lakes in Northern New Jersey and New York City
3.2.2-4	Location of Site Within Hackensack Meadows
3.2.2-5	Geologic Cross Section B-B'
3.3.1-1	Passaic River Basin
3.3.1-2	Location of Dredging Operations in the Passaic River
3.3.1-3	Dredging Operations in the 30-Foot Project of the Passaic River, 1956-1983
3.3.2-1	Generalized Piezometric Contours of Essex County, 1890 through 1900
3.3.2-2	Generalized Piezometric Contours of Essex County, 1950 through 1960
3.5-1	Residential versus Industrial Land Use
4.0-1	Plan Locations of Buildings and Structures
4.0-2	Grid Subdivision Identification
4.2.1-1	Air Sampling and Monitoring Location

LIST OF FIGURES  
(Continued)

<u>FIGURE NUMBER</u>	<u>TITLE</u>
4.2.1-2	Schematic Diagram of the High Volume Air Sampler (TSP and PAH's)
4.2.1-3	Schematic Diagram of the High Volume Sampler Equipped with a 10-Micron Size Selective Inlet (IPM and Metals)
4.2.1-4	Schematic Diagram of the PUF Sampler (Dioxin, Pesticides, and Other Chlorinated Organics)
4.2.1-5	Schematic Diagram of Tenax Sampling Train (VOC's)
4.2.1-6	Schematic Diagram of Carbosphere Sampling Train (Vinyl Chloride)
4.2.1-7	Schematic Diagram of Asbestos Sampling Train
4.2.1-8	Air Monitoring Data Sheet
4.2.3.2-1	Office and Laboratory Building Room and Exterior Wall Codes, First Floor
4.2.3.2-2	Office and Laboratory Building Room Codes, Second Floor
4.2.3.2-3	Warehouse Room and External Wall Codes
4.2.3.2-4	Location of Vessels on the Site
4.2.3.2-5	Location of Vessels in Process Building
4.2.3.2-6	Location of Vessels in Chemical Manufacturing Building
4.2.4-1	Sewer and Sump Sampling Locations
4.2.5-1	Near-Surface Soil Sample and Boring Location Plan
4.2.6-1	Monitoring Well Location Plan
4.2.6.1-1	Typical Shallow (A) Monitoring Well In Fill
4.2.6.1-2	Typical Intermediate (B) Monitoring Well
4.2.7.1-1	Passaic River Staff Gage
4.2.8-1	Sediment Sampling Locations

LIST OF FIGURES  
(Continued)

<u>FIGURE NUMBER</u>	<u>TITLE</u>
4.2.9-1	Background Near-Surface Soil Sampling Locations
4.2.10-1	Location of Drums in Chemical Manufacturing Building, Rooms 1 and 2 - First Floor
4.2.10-2	Location of Drums, Chemical Manufacturing Building, Room 3 - Second Floor
4.2.10-3	Location of Drums, Chemical Manufacturing Building, Room 4 - Second Floor
4.2.10-4	Location of Drums, Process Building Room 5 - Second Floor
5.1-1	Site Investigation Wind Rose Based on National Weather Service Data
5.1-2	Site Investigation Wind Rose Based on Site Data
5.5.1-1	Subsurface Section A-A'
5.5.1-2	Subsurface Section B-B'
5.5.1-3	Subsurface Section C-C'
5.5.1-4	Subsurface Section D-D'
5.5.2-1	Elevation Designation Coding for Near-Surface Soil Samples and Borings
5.5.2.1-1	Relative 2,3,7,8-TCDD Concentration in Soils 0-6 Inch Depth Interval
5.5.2.1-2	Relative 2,3,7,8-TCDD Concentration in Soils 6-12 Inch Depth Interval
5.5.2.1-3	Relative 2,3,7,8-TCDD Concentration in Soils 12-24 Inch Depth Interval
5.5.2.1-4	Semi-Volatile Compounds in Soil 0-6 Inch Depth Interval
5.5.2.1-5	Semi-Volatile compounds in Soil 12-24 Inch Depth Interval
5.5.2.1-6	Pesticides and Herbicides in Soils 0-6 Inch Depth Interval

LIST OF FIGURES  
(Continued)

<u>FIGURE NUMBER</u>	<u>TITLE</u>
5.5.2.1-7	Pesticides and Herbicides in Soils 12-24 Inch Depth Interval
5.5.2.2-1	Relative 2,3,7,8-TCDD Concentrations in Soil, Bottom of Fill Layer
5.5.2.2-2	Relative 2,3,7,8-TCDD Concentrations in Soil, Silt Layer
5.5.2.2-3	Semi-Volatile Compounds in Soil, Bottom of Fill Layer
5.5.2.2-4	Pesticides and Herbicides in Soil, Bottom of Fill Layer
5.6.1-1	Ground Water Elevation Versus Tidal Fluctuation MW-1A
5.6.1-2	Ground Water Elevation Versus Tidal Fluctuation MW-2A
5.6.1-3	Ground Water Elevation Versus Tidal Fluctuation MW-3A
5.6.1-4	Ground Water Elevation Versus Tidal Fluctuation MW-4A
5.6.1-5	Ground Water Elevation Versus Tidal Fluctuation MW-5A
5.6.1-6	Ground Water Elevation Versus Tidal Fluctuation MW-6A
5.6.1-7	Ground Water Elevation Versus Tidal Fluctuation MW-7A
5.6.1-8	Ground Water Elevation Versus Tidal Fluctuation MW-8A
5.6.1-9	Ground Water Contours in the Fill
5.12.2.2-1	Example, Standard Control Charts for Metals
6.2-1	Location of Drums in Warehouse
6.4.1-1	Schematic Cross Section of Site

APPENDIX  
**A**

APPENDIX A



APPENDIX A  
TABLE OF CONTENTS

<u>DESCRIPTION</u>	<u>PAGE OR NUMBER</u>
1.0 ON-SITE PROCEDURES	Page A-1
2.0 DIOXIN ANALYSIS	Page A-8
3.0 ORGANIC PRIORITY POLLUTANT ANALYSES	Page A-11
4.0 INORGANIC/CLASSICAL ANALYSES	Page A-12
5.0 REPORTING	Page A-13
6.0 PROJECT FILES	Page A-14
TABLES	
Analyses Required for 80 Lister Avenue Samples	Table A-1
Field Blank Assignment Schedule	Table A-2
Containers for 80 Lister Avenue Samples	Table A-3
Sample Preservation Requirements	Table A-4
LIMS Test Codes for Sample Analysis	Table A-5
FIGURES	
Sediment Sampling Locations	Figure A-1
Master Sample Collection and Shipping Log	Figure A-2
Examples of Label Sets	Figure A-3
Chain-of-Custody Record	Figure A-4
Plan of Regulated Area	Figure A-5
Typical Request for Analysis Form	Figure A-6
Individual Sample Checklist Form	Figure A-7
ATTACHMENT 1 - SAMPLE IDENTIFICATION	
1.0 INTRODUCTION	Page A1-1
2.0 LOCATION CODES	Page A1-1
3.0 UNIQUE, PRE-PRINTED LABEL NUMBERS	Page A1-8
4.0 ELEVATION DESIGNATION	Page A1-8
5.0 SAMPLE TYPE CODES	Page A1-9
6.0 SAMPLE DESTINATION CODES	Page A1-10
7.0 SUMMARY: 12-DIGIT SAMPLE DESIGNATIONS	Page A1-10
8.0 SUMMARY: 10-DIGIT SAMPLE DESIGNATIONS	Page A1-11

TABLE OF CONTENTS  
(Continued)

9.0 FIELD LOG NOTEBOOK ENTRY REQUIREMENTS	Page A1-11
FIGURES	
Office and Laboratory Building Room and Exterior Wall Codes, First Floor and Exterior	Figure A1-1
Office and Laboratory Building Room Codes, Second Floor	Figure A1-2
Warehouse Room and External Wall Codes	Figure A1-3
Elevation Designation Coding for Near- Surface Soil Samples and Borings	Figure A1-4
ATTACHMENT 2 - FIELD LOG NOTEBOOK SAMPLE ENTRY GUIDELINES	

APPENDIX A  
STANDARD OPERATING PROCEDURE  
DAILY SAMPLE HANDLING AND DOCUMENTATION

1.0 ON-SITE PROCEDURES

Each day, the Field Operations Manager will prepare a schedule for the next day's sample collections, and provide it to the Sampling Coordinator. Full sample designations are then assigned, and all paperwork is initiated at the Sample Handling Trailer. The Sampling Coordinator prepares all necessary sample containers for the Field Sampling Teams. When the assigned samples have been collected, the field teams return the field containers with all associated paperwork to the Decontamination (Decon) Area where Decon Assistants transport samples to the Sample Handling Trailer. Collection and documentation of the samples are then verified. The samples are packaged for shipment and sent via Federal Express to the indicated destinations.

1.1 Preparation for Sample Collection

- 1.1.1 The Project Manager will prepare a complete list of the samples scheduled for collection on the following day, including the exact location and sample type (matrix) of each sample, and identify those samples to be split with NJDEP.
- 1.1.2 The list will be provided to the Sampling Coordinator; the analyses required for each sample will be confirmed at this time.
- 1.1.3 Sample collections will be assigned to specific Field Sampling Teams according to the sample type specified.

- Team A - Drilling team, soil cores
- Team B - Drums
- Team C - Everything else

Once on site, the teams may be identified by the name of the designated Leadman for each.

- 1.1.4 The Sampling Coordinator will assign a 10- or 12-digit designation to each sample assigned for collection, according to the Sample Identification Plan (Attachment 1). Analyses required and consequent laboratory destinations are defined in Table A-1. Figure A-1 shows a typical plan of sampling locations - in this case for river sediments. Any remaining questions

regarding assigned analyses for particular samples will be resolved by the Project Manager.

- 1.1.5 The full sample designations for each sample collected are entered into the Master Sample Collection and Shipping Log (Figure A-2) in numerical order according to the preprinted label numbers.
- 1.1.6 Appropriate Field Blanks (Table A-2) to accompany the scheduled samples are also assigned code designations, and entered into the Master Sample Collection and Shipping Log, at this time.
  - 1.1.6.1 Empty, labeled containers with a separate supply of Lab-Pure water are provided to the sampling teams. The field blank is prepared in the field, by pouring the Lab-Pure water over a sampling tool and catching the water in the empty container.
  - 1.1.6.2 At least one field blank, for some designated analysis, must be assigned every day that samples are collected.
  - 1.1.6.3 Field blanks must be assigned, at a minimum, to achieve an overall frequency of 5 percent of the total samples collected.
- 1.1.7 Trip Blanks are assigned in conjunction with Field Blanks, also at this time. These blanks are prepared at the laboratory, and provided to sampling teams on site after being labeled and coded. They are not opened at any time on site.
- 1.1.8 Additional descriptive information is recorded in the "Description" column of the Master Sample Collection and Shipping Log, i.e., details which are not described within the full sample code designations are recorded here.
- 1.1.9 A sample label set (Figure A-3) is typed for each sample code designation entered into the log book.
- 1.1.10 Assigned samples are sorted by matrix and Sampling Team, then into sets feasible for collection in two-hour, on-site work segments.
- 1.1.11 Chain-of-Custody records (Figure A-4) are initiated by typing the sample code designation, description, container type, and the matrix type for each sample in

a set onto the standard form. For samples designated for automatic shipment to all three participating laboratories, three separate records must be initiated.

- 1.1.12 All containers necessary for collection of the assigned samples (Table A-3) are assembled according to the sets described on the custody forms.
- 1.1.13 Preservation reagents are added to sample containers for waste samples scheduled for analysis of metals, cyanides, and phenols as described in Table A-4, pursuant to analytical requirements. Labels are applied to each container, and must be situated so as to be clearly visible.
- 1.1.14 Container sets are organized into a larger container (i.e., a cooler) for transport to the site. Blue ice is included in the cooler with the containers, for preservation of samples during collection.
- 1.1.15 Field and Trip Blanks are prepared as described and included with each set of containers.
- 1.1.16 A complete sampling kit will contain the following:
  - a. Chain-of-Custody records, listing the assigned samples.
  - b. All appropriate labeled containers for assigned samples.
  - c. Field log notebook and black ballpoint pen.
- 1.1.17 Complete sampling kits are provided to a Field Supervisor, or to a designated Decon Assistant, for transfer to the field sampling teams.
  - 1.1.17.1 Containers prepared for the first collections scheduled for the following day will be left in the locked Sample Handling Trailer overnight. Only Field Supervisors will have access to the trailer to retrieve the kits in the morning.
  - 1.1.17.2 For containers provided to the teams over the course of the day, a Decon Assistant will shuttle the kits and collected samples between the site teams and the handling trailer.

- 1.1.18 The Contamination Reduction Zone (Figure A-5) is NOT to be entered by anyone not wearing the protective clothing defined for Decon Assistants in the Work Plan.
- 1.1.19 Decon Assistants will transfer all sampling containers into designated ice chests for on-site use, keeping the original coolers contamination free.
- 1.1.20 Paperwork will be inserted into an assembled glove bag at this time.
- 1.1.21 Field Sampling Teams will retrieve their complete kits from a designated area at the Decon line, or from the Decon Assistant directly across the Decon line.

## 1.2 Documentation of Sample Collection

- 1.2.1 The Chain-of-Custody records provided with each sampling kit are intended for use as sampling worklists; the following information must be filled in as each assigned sample is collected:
  - a. Time Collected (AM/PM)
  - b. Amount Collected
  - c. Sampler's Name(s) (printed, top left corner)
  - d. Date Collected.
- 1.2.2 Detailed and clear field log notebook entries must also be recorded as each sample is collected; guidelines for information to be included are outlined in Attachment 2 to this appendix.
- 1.2.3 The Chain-of-Custody records and field log notebook must remain inside the sealed glove bag for the duration of the on-site collection effort.
- 1.2.4 When all assigned samples have been collected and paperwork is complete, the sampling kit is returned to the Decon line.
- 1.2.5 Sample containers are removed from the site coolers by a sampling team member one at a time, and dropped into a clean zip-lock plastic bag held open by a Decon Assistant.
- 1.2.6 The containers, in sealed bags, are placed in the original sample cooler for transport back to the Sample Handling Trailer by the Decon Assistant.

- 1.2.7 At the time of sample transfer across the Decon line, each Chain-of-Custody record must be signed "Relinquished by" the Sampling Team Leadman; the signature must be accompanied by notation of that person's employing organization (e.g., ITC or WCC), and the date and time of the transfer.
- 1.2.8 Paperwork is carefully removed from the glove bag by the Decon Assistant, and transported across the Contamination Reduction Zone to the Sample Handling Staff, with the samples.

### 1.3 Verification of Collection

- 1.3.1 Immediately on receipt of the samples, sample handling personnel will cross check the Chain-of-Custody record lists with the actual samples received to verify the following:
- a. All assigned samples are present and match the Chain-of-Custody lists.
  - b. All samples are in satisfactory condition, and containers are properly sealed.
  - c. Sufficient volumes for analysis have been collected.
  - d. Documentation is complete and accurate.
- 1.3.2 If discrepancies occur, determine the source of the problem (e.g., sample not collected, bottle misplaced or broken) and make appropriate notations or adjustments in the Master Sample Collection and Shipping Log and on the Chain-of-Custody record.
- 1.3.3 Sign Chain-of-Custody records, "Received by," including company name and date/time of receipt.
- 1.3.4 Photocopy the appropriate field log notebook pages and return the notebook to the sampling team with their next assignment's sampling kit.
- 1.3.5 Void any sample designations that are assigned but not used for any reason, in each of the following documents:
- 1.3.5.1 Master Collection and Shipping Log: Use red ink, write "VOID" in comments section.

- 1.3.5.2 Chain-of-Custody form: Draw line through sample number; write "VOID," and reason.
- 1.3.5.3 Destroy assigned but unused label sets.
- 1.3.6 Complete analyses required and destination sections of each Chain-of-Custody record, and clearly describe any special instructions.
- 1.3.7 Record date collected, collection verified (initials and date) and destination in Master Sample Collection and Shipping Log.
- 1.3.8 Package samples for shipment using Lawrence package No. 37 or No. 37A for DOT approved, poison-exempt, shipment. (Reference: "Food and Drug Packaging," March 4, 1980). Use overpacks as much as possible to consolidate packages for shipment.
- 1.3.9 Water samples are to be packaged for shipment according to EPA Technical Monograph No. 22, June 1981.
- 1.3.10 Prepare Request for Analysis (Figure A-6) forms for all samples being shipped to each participating laboratory.
- 1.3.11 Sign Chain-of-Custody records, "Relinquished by," including company name and date/time of transfer.
- 1.3.12 Separate original Chain-of-Custody records from the carbonless copies.
- 1.3.13 Ship the samples with the original Chain-of-Custody records and the Request for Analysis forms to the designated laboratories via Federal Express.
- 1.3.14 Under separate cover, ship the following paperwork to the QA Program Manager at the Knoxville office, also by Federal Express:
  - a. Photocopy of all field log notebook pages for that day's collections.
  - b. Carbonless copy of Master Sample Collection and Shipping Log pages.
- 1.3.15 Call the receiving laboratories to release the appropriate shipment information.
- 1.3.16 Retain the following documents on file at Newark:



- a. Carbonless copy of Chain-of-Custody records
  - b. Shipping information and copies of the Request for Analysis forms
  - c. Master Sample Collection and Shipping Log - original pages in bound notebook
  - d. Field log notebooks - storage of filled volumes and those still in use between sampling assignments.
- 1.3.17 Record the date shipped and shipment verified (initials and date) in the Master Sample Collection and Shipping Log.
- 1.3.18 The day after shipment, contact each receiving laboratory to verify shipment was received, intact and complete.
- 1.3.19 Record receipt verified (initials and date) in Master Sample Collection and Shipping Log.

## 2.0 DIOXIN ANALYSIS

Samples for dioxin analysis, archival storage and hazardous waste categorization (HazCat) analysis, as well as paperwork documenting all samples collected at the site, will be received daily at the Knoxville location. Samples received will be coded in at the dioxin laboratory; preparation and analysis procedures will be initiated immediately. All samples collected at the site will then be coded into the Laboratory Information Management System (LIMS) system for overall project tracking purposes. All analytical results will be received, reviewed, and filed at the Knoxville office location.

### 2.1 Sample Receipt

Samples for dioxin analysis will arrive at the laboratory in DOT-approved packaging with Chain-of-Custody records and Request for Analysis forms via Federal Express courier.

- 2.1.1 Immediately upon receipt, laboratory personnel will unpack the samples and verify the accuracy of the shipment and the condition of each sample.
- 2.1.2 Any problems (broken containers, discrepancies between samples in hand and records) must be noted clearly on the Chain-of-Custody forms, and handled appropriately.
  - 2.1.2.1 Samples in broken containers may or may not be analyzed, depending on the degree of breakage, sample priority, and resampling potential. Consult the Analytical or QC Program Managers, or the Site Operations Manager directly in specific cases.
  - 2.1.2.2 Contact the QC Program Manager or on-site sample handling personnel directly to clarify documentation discrepancies.
- 2.1.3 All Chain-of-Custody records must be signed "Received by" at this time.
- 2.1.4 Sample designations and descriptions are then recorded in the laboratory Master Sample Receiving Log and the Analytical Log.
  - 2.1.4.1 "Compositing status" in the Master Sample Receiving Log will be "NO" in all cases except for drum liquid samples, which will all be entered as "hold" (pending HazCat results and final decisions regarding analysis requirements).

- 2.1.5 Chain-of-Custody records are then transferred to the project office for filing.
- 2.1.6 If receipt has not yet been verified with the on-site staff, laboratory personnel may initiate the call to confirm arrival of samples and their condition.

## 2.2 Sample Preparation, Analysis, and Reporting

- 2.2.1 After samples are entered into the Master Sample Receiving and Analytical Logs, Sample Prep Worksheets are prepared and provided to laboratory personnel.
- 2.2.2 An aliquot of each sample is removed for analysis (with the exception of wipes) and the remainder is archived until further notice.
- 2.2.3 Sample aliquots are then prepared for analysis according to established procedures; prep worksheet information is completed as appropriate.
- 2.2.4 Extraction page and date prepared are entered into the Analytical Log for each sample.
- 2.2.5 Prepared samples are analyzed for 2,3,7,8-TCDD and/or other indicated congeners.
- 2.2.6 Date analyzed is recorded in the Analytical Log.
- 2.2.7 Data are submitted to Laboratory Manager for calculation and review.
- 2.2.8 Dioxin result is recorded in the Analytical Log.
- 2.2.9 The Laboratory Manager will release data reports and the raw data files to the QA/QC Program Manager for storage in the project files.
- 2.2.10 Sample results are required within seven days (or as soon as possible) after sample receipt.

## 2.3 LIMS Project Tracking Procedures

- 2.3.1 Paperwork documenting all samples collected on site will be received daily at the project office.
- 2.3.2 Upon receipt of this paperwork and the Chain-of-Custody records that arrived with the dioxin samples, coding of all sample information into the LIMS System is initiated.

- 2.3.2.1 All samples collected on a given day will be grouped into projects according to required analyses.
- 2.3.2.2 The completion date will be defined by the analyses required, and will be entered as follows:
- |  |                            |
|--|----------------------------|
| TCDD only                                  | 7 days from date received  |
| HazCat (Drums)                             | October 19, 1984           |
| Full Priority<br>Pollutants or<br>VOA only | 21 days from date received |
| Ambient Air                                | October 19, 1984           |
| Industrial<br>Hygiene                      | As requested               |
- 2.3.2.3 The primary key for each sample will be the destination code (one-letter code) concatenated with the four-digit pre-printed label number.
- 2.3.2.4 Preliminary test assignments will be made at this time, according to the "analyses required" information recorded on the Master Sample Collection and Shipping Log sheets and the Chain-of-Custody records. (See Table A-5 for test codes).
- 2.3.3 Test assignments are verified by the QC Program Manager, creating an "analysis dataset" for each analysis assigned to every sample.
- 2.3.4 When coding is completed for all samples received that day, a printout of the Project/Sample/Test assignment data using PSR (a LIMS subcode) is produced for filing and reference.
- 2.3.5 As dioxin results are received from the Laboratory Manager, the data are entered into the LIMS system.
- 2.3.6 Weekly dioxin sample status will be updated to describe the sample's progress in the analysis schedule, i.e., "received," "extracted," "analyzed," or "released."

### 3.0 ORGANIC PRIORITY POLLUTANT ANALYSES

Samples will be shipped to the Cerritos laboratory directly from the site. DOT-approved packaging will be used.

- 3.0.1 Full data reports (including QC) are due at the Knoxville office 21 days following receipt of the samples at the lab.
- 3.0.2 Extraction of the acid/base-neutral fractions must be completed within 7 days of receipt.
- 3.0.3 Volatile analysis for each sample must be performed within 14 days of receipt.
- 3.0.4 QC requirements for the laboratory will consist of at least one blank, spike, and duplicate run for every 20 samples analyzed (5% frequency for each type of QC sample).
- 3.0.5 Additional program level QC samples will be submitted blind to the laboratory, and will, therefore, be treated as routine samples.
- 3.0.6 When results are received at the Knoxville office, sample analysis status in LIMS will be updated to indicate completion of the analysis requirements.
- 3.0.7 Data packages will be stored in the project files.

#### 4.0 INORGANIC/CLASSICAL ANALYSES

Samples will be shipped to the Middlebrook Pike laboratory directly from the site. DOT-approved packaging will be used.

- 4.1 Full data reports including QC are due at the project office in Knoxville 21 days after receipt of samples at the laboratory.
- 4.2 QC requirements will consist of at least one blank, spike, and duplicate run for every set of 20 samples (5% frequencies).
- 4.3 Additional program QC samples will be submitted blind to the laboratory, and will be treated as routine samples.
- 4.4 When results are received at the Knoxville project office, sample analysis status in LIMS will be updated to indicate completion of the analysis requirements.
- 4.5 Data packages will be stored in the project files.

## 5.0 REPORTING

- 5.1 All dioxin results will be reported to the Project Manager and client as available. These reports will be provided from the LIMS system.
- 5.2 The following reports will be provided as appropriate, preferably on a weekly basis.
  - 5.2.1 Status Reports, listing samples collected to date, those completed, and those still in progress (and for what analyses).
  - 5.2.2 QC Status Report, summarizing any completed results and the overall condition of the program.
- 5.3 QC results, both laboratory level and program level, will be compiled and reviewed as received, so any necessary corrective actions may be taken as soon as possible.
- 5.4 Weekly status reports will be used for billing purposes; the client will be billed for all completed samples every two weeks.

## 6.0 PROJECT FILES

Every day that samples are received and the corresponding data are coded into the LIMS computer system, an individual file as described in the following, is initiated for each sample:

- o An Individual Sample Checklist (Figure A-7) is filled out for each sample collected, indicating the full sample designation, sample type, and all analyses requested.
- o The file is labeled with the unique, four-digit label number from the sample designation, and the sample type.
- o The following documents are included in the file at this time:
  - a. Checklist
  - b. Copy of Master Sample Collection and Shipping Log page containing sample entry.
  - c. Copy of field log notebook page containing sample entry.
  - e. Copy of Chain-of-Custody record containing sample entry.
- o Individual files are organized into sections by sample type; all samples within each section are filed in numerical order.
- o Original Chain-of-Custody records are filed independent of all individual files, in chronological order.
- o As results are received from the participating laboratories, a "Batch File" is initiated for each set of sample results reported. This file is where the full data reports, as received, are stored.
- o A copy of the final results list for each analysis is included in the individual sample files.
- o As results are filed, the Individual Sample Checklist is updated to reflect the date the results were received and the appropriate laboratory batch number, for cross referencing with the raw data.



TABLE A-1  
ANALYSES REQUIRED FOR 80 LISTER AVENUE SAMPLES

SAMPLE TYPE	ANALYSES REQUIRED	ITC LABORATORY/ DESTINATION (From Newark)
<u>Surface/Near-Surface Soil</u>		
0"-6"	Dioxin Extractable PP Volatile PP Metals, Cyanide, Phenols	Directors Drive Cerritos, CA Middlebrook Pike
6"-12"	Dioxin	Directors Drive
12"-24"	Dioxin Extractable PP Volatile PP Metals, Cyanide, Phenols	Directors Drive Cerritos, CA Middlebrook Pike
24"-36"	Archive-possible Dioxin	Directors Drive
36"-48"	Archive-possible Dioxin	Directors Drive
48"-60"	Archive-possible Dioxin	Directors Drive
<u>River Sediments</u>		
0"-12"	Dioxin All Organic PP <sup>(1)</sup> Metals, Cyanide, Phenols <sup>(1)</sup>	Directors Drive Cerritos, CA Middlebrook Pike
12"-24"	Dioxin All Organic PP <sup>(2)</sup> Metals, Cyanide, Phenols <sup>(2)</sup>	Directors Drive Cerritos, CA Middlebrook Pike
<u>Wipes, Chips, Scrapes</u>	Dioxin	Directors Drive

(1) Ten samples will be designated for full analysis schedule.

(2) Five samples will be designated for full analysis schedule.

NOTE: PP denotes Priority Pollutants.

TABLE A-1  
(Continued)

SAMPLE TYPE	ANALYSES REQUIRED	ITC LABORATORY/ DESTINATION (From Newark)
<u>On-Site Well Water</u>	Dioxin All Organic PP Metals, Cyanide, Phenols	Directors Drive Cerritos, CA Middlebrook Pike
<u>Sludge/Sewers</u>	Dioxin	Directors Drive
<u>Surface Site Water</u>	Dioxin	Directors Drive
<u>Soil at Depth</u>	Dioxin All Organic PP <sup>(3)</sup> Metals, Cyanide, Phenols <sup>(3)</sup>	Directors Drive
<u>Drum Liquids</u>	Dioxin/HazCat	Directors Drive
<u>Industrial Hygiene</u>	Dioxin Asbestos Others	Directors Drive Cerritos, CA
<u>Ambient Air</u>	Dioxin           for archive until All Others       all received	Middlebrook Pike
<u>Bulk</u>	Asbestos	Cerritos, CA

---

<sup>(3)</sup> Selected samples will be designated for full analysis schedule.

TABLE A-2  
FIELD BLANK ASSIGNMENT SCHEDULE

SAMPLE TYPE	PARAMETER FOR FIELD BLANK ANALYSIS	BLANK MATRIX	FREQUENCY <sup>(1)</sup>
Wipes, Chips, Scrapes	Dioxin	Blank Wipe or Lab-Pure Water	5
Soil (Surfaces and Depth)	Dioxin	Lab-Pure Water	1
	Volatile PP		5
	Extractable PP		1
	Metals		1
	Cyanide		1
	Phenols		1
Sediment	Volatile PP	Lab-Pure Water	5
Water	Dioxin	Lab-Pure Water	5
	Volatile PP		5
	Extractable PP		5
	Metals		5
	Cyanide		5
	Phenols		5

<sup>(1)</sup>Percent of total number of samples collected of each type (at a minimum).

TABLE A-3  
CONTAINERS FOR 80 LISTER AVENUE SAMPLES

SAMPLE TYPE	ANALYSIS PARAMETER	CONTAINER(S) TO BE FILLED FOR EACH SAMPLE
Soil (for shipment to Directors Drive only)	Dioxin	One 250-ml amber glass jar
Water	Dioxin	Two 1-liter amber glass jars
	Purgeable Organic PP	Two 40-ml clear glass vials
	Extractable Organic PP	One 1-gallon amber glass jug
	PP Metals	One 1-liter nalgene bottle
	Cyanide	One 1-liter nalgene bottle
	Phenols	One 1-liter amber glass jar
River Sediment	Dioxin	One 500-ml amber glass jar
	Organic PP	One 500-ml amber glass jar
	PP Metals	
	Cyanide	One 500-ml amber glass jar
	Phenols	
Sludge/Sewer Sediment	Dioxin	One 500-ml amber glass jar
Wipes, Chips, or Scrapes	Dioxin	One 250-ml amber glass jar
Drums	Dioxin	One 250-ml amber glass jar
Ambient Air	As Described	Three 250-ml amber glass jars One 40-ml clear glass vial Two culture tubes
Bulk	Asbestos	One 250-ml amber glass jar
Soil (for automatic shipment to all three laboratories)	Dioxin	One 250-ml amber glass jar
	Organic PP	One 500-ml amber glass jar
	PP Metals	
	Cyanide	One 500-ml amber glass jar
	Phenols	

NOTE: PP denotes Priority Pollutants.

TABLE A-4  
SAMPLE PRESERVATION REQUIREMENTS

PARAMETER	PRESERVATION TECHNIQUE	
	SOIL	WATER
Dioxin	None	None
Volatile PP	Cool, 4°C	Cool, 4°C
Extractable PP	Cool, 4°C	Cool, 4°C
Metals	None	2 ml conc. HNO <sub>3</sub> <sup>(1)</sup> (to pH <2)
Cyanide	None	2 ml conc. NaOH <sup>(1)</sup> (to pH >12)
Phenols	None	2 ml conc. H <sub>2</sub> SO <sub>4</sub> <sup>(1)</sup> (to pH <2)

<sup>(1)</sup> Added to sample bottles prior to collection; these containers must not be rinsed prior to being filled with the water sample.

NOTE: PP denotes Priority Pollutants.

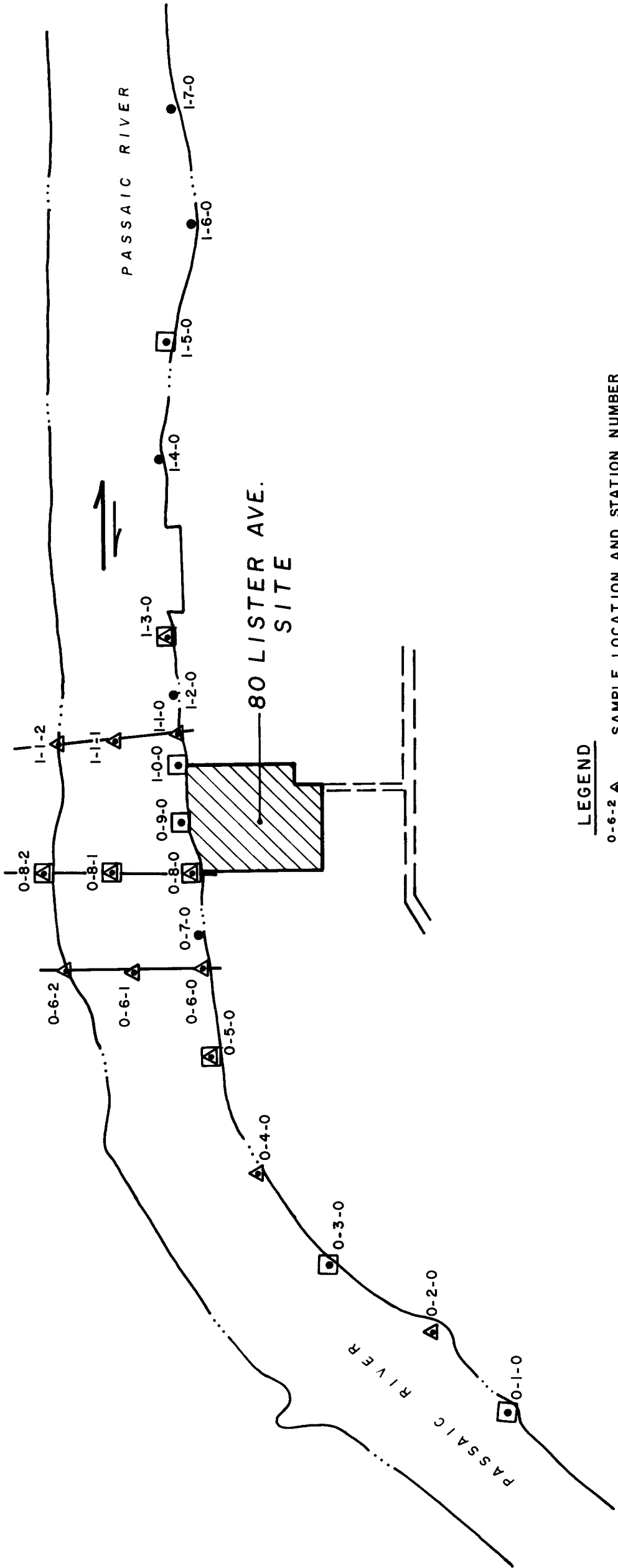
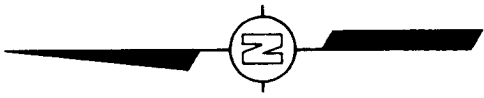
TABLE A-5  
LIMS TEST CODES FOR SAMPLE ANALYSIS

TEST NO.	ANALYSIS DESCRIPTION	LABORATORY
DL01 001	Preparation for Dioxin	Prepared by PC 4620 at Directors Drive
DL 001	Dioxin	Analyzed by PC 4620 at Directors Drive
DL 002	Extractable Priority Pollutants (BN/AE/Pest./PCBs)	Analyzed by PC 4640 at Cerritos
DL 003	Volatile Priority Pollutants	Analyzed by PC 4640 at Cerritos
DL 004	Metals (Sb,As,Be,Cd,Cr,Cu,Pb, Hg,Ni,Se,Ag,Tl,Zn)	Analyzed by PC 4620 at Middlebrook Pike
DL 005	Cyanide	Analyzed by PC 4620 at Middlebrook Pike
DL 006	Phenols	Analyzed by PC 4620 at Middlebrook Pike
DL 007	Asbestos	Analyzed by PC 4640 at Cerritos
DL 008	HazCat Screen	Analyzed by 4610 at Directors Drive
DL 009	Air Sampling--TSP	Analyzed by PC 4620 at Middlebrook Pike
DL 010	Air Sampling--IPM	Analyzed by PC 4620 at Middlebrook Pike
DL 011	Air Sampling--Metals (Mn,Fe,Cu, As,Zn,Pb,V,Cd,Ni)	Analyzed by PC 4620 at Middlebrook Pike
DL 012	Air Sampling--VOC's	Analyzed by PC 4620 at Middlebrook Pike
DL 013	Air Sampling--Vinyl Chloride	Analyzed by PC 4620 at Middlebrook Pike
DL 014	Air Sampling--Asbestos	Analyzed by subcontractor

TABLE A-5  
(Continued)

TEST NO.	ANALYSIS DESCRIPTION	LABORATORY
DL 015	Air Sampling--PAH's	Analyzed by PC 4620 at Directors Drive
DL 016	Air Sampling--Dioxin	Analyzed by PC 4620 at Directors Drive
DL 017	Air Sampling--Pesticides and Other Chlorinated Organics	Analyzed by PC 4620 at Middlebrook Pike
DL 018	Industrial Hygiene--Organics Screen by GC/MS	Analyzed by PC 4620 at Middlebrook Pike
DL 019	Industrial Hygiene--2,4,5-T and 2,4-D	Analyzed by PC 4620 at Middlebrook Pike
DL 020	Industrial Hygiene-Sulfuric Acid	Analyzed by PC 4620 at Middlebrook Pike
DL 021	Geotechnical Evaluation	Analyzed by subcontractor

DRAWN BY J. LOGRECO  
 CHECKED BY JTO  
 APPROVED BY DGE  
 1-28-85  
 2-13-85  
 2-13-85  
 DRAWING NUMBER 846248-B14



**LEGEND**

0-6-2 ▲ SAMPLE LOCATION AND STATION NUMBER

**DIOXIN ANALYSES**

- SAMPLE LOCATION, 0"-12" (10 SAMPLES)
- ▲ SAMPLE LOCATION, 0"-12" AND 12"-24" (26 SAMPLES)

**PRIORITY POLLUTANT ANALYSES**

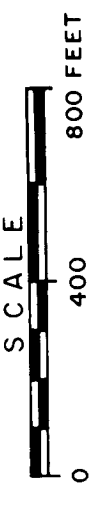
- ◻ SAMPLE LOCATION, 0"-12" (5 SAMPLES)
- ◻ SAMPLE LOCATION, 0"-12" AND 12"-24" (10 SAMPLES)

FIGURE A-1

**SEDIMENT SAMPLING LOCATIONS**

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12-DIGIT DESIGNATION LABEL SET

10-DIGIT DESIGNATION LABEL SET

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -0123- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

- - -5357- - -

FIGURE A-3

EXAMPLE OF LABEL SETS

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 CHECKED BY JTB 2-13-85  
 APPROVED BY DGE 5-13-85  
 DRAWING NUMBER 846248-B15

CHAIN-OF-CUSTODY RECORD  
 IT CORPORATION  
 80 LISTER AVENUE

SAMPLER(S): \_\_\_\_\_ MATRIX: \_\_\_\_\_ DATE COLLECTED: \_\_\_\_\_

ANALYSES REQUIRED: \_\_\_\_\_ PRESERVATION: \_\_\_\_\_ DESTINATION: \_\_\_\_\_

SAMPLE NUMBER	DESCRIPTION	TIME COLLECTED	AMOUNT COLLECTED	CONTAINER TYPE	CONDITION ON RECEIPT
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

SPECIAL INSTRUCTIONS \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Relinquished by: \_\_\_\_\_

1. Received by: \_\_\_\_\_ 3. Received by: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Relinquished by: \_\_\_\_\_

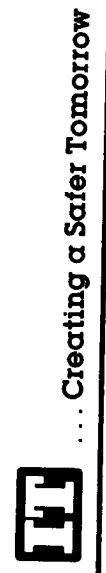
2. Received by: \_\_\_\_\_ 4. Received by: \_\_\_\_\_

\*\*Transfer of Custody Instructions: Sign full name, company name, and date/time of transfer in appropriate spaces above to relinquish or receive a set of samples.

FIGURE A-4

CHAIN - OF - CUSTODY RECORD

PREPARED FOR  
 DIAMOND SHAMROCK  
 DALLAS, TEXAS

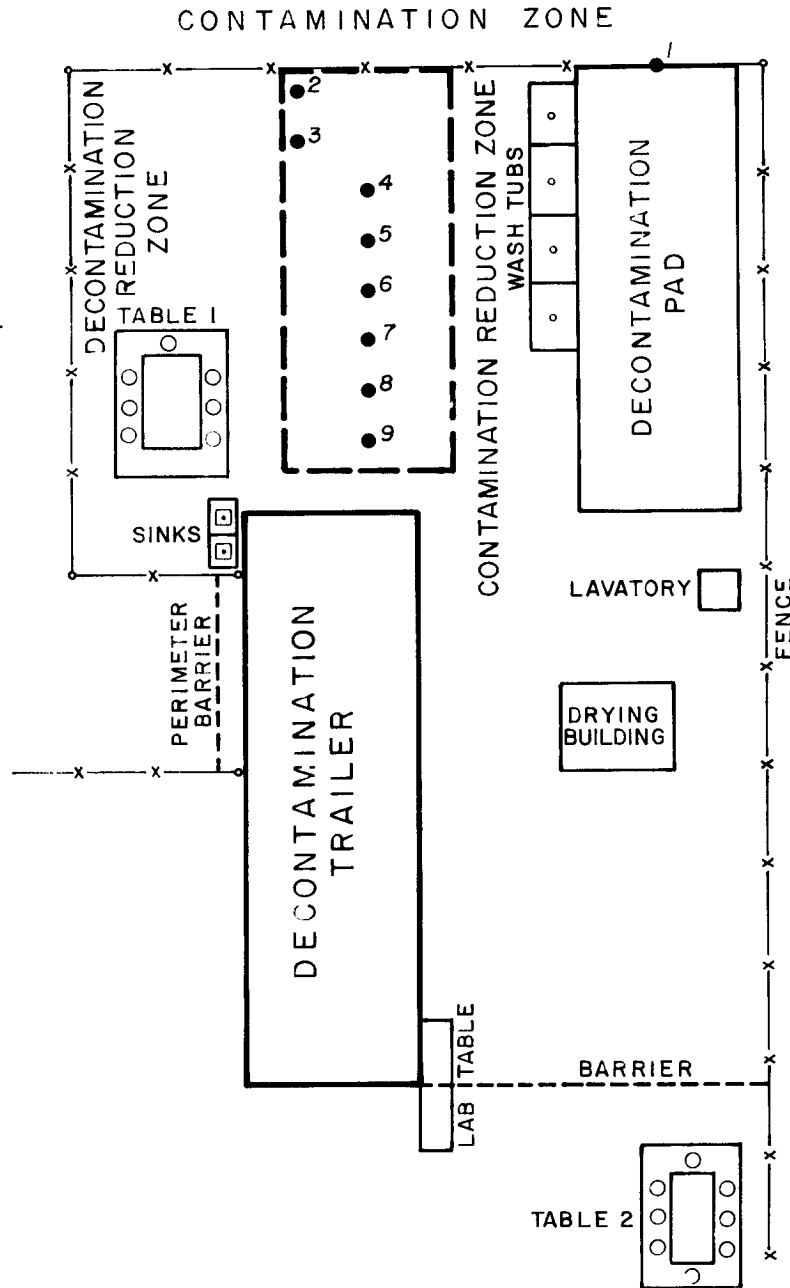


DRAWING NUMBER  
846248-A7

CHECKED BY  
APPROVED BY

c/b/  
02-07-85

DRAWN BY



LEGEND

- 1 SEGREGATED EQUIPMENT DROP
- 2 TOTAL WASH
- 3 TOTAL RINSE
- 4 TAPE REMOVAL
- 5 OUTER GLOVE REMOVAL
- 6 SUIT (BOOT REMOVAL)\*
- 7 RESPIRATOR REMOVAL
- 8 INNER GLOVE REMOVAL
- 9 WHITE TYVEK AND BOOTIE REMOVAL\*

NOTE

STEPS DENOTED WITH ASTERISK EXCLUDED FOR SHORT WORK BREAKS

FIGURE A-5

PLAN OF REGULATED AREA

PREPARED FOR

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65360

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DRAWN BY



REQUEST FOR ANALYSIS

This Form Must be Shipped with Samples  
Please Do Not Mail Under Separate Cover

Phase/Procedure No. \_\_\_\_\_  
Revision No.: \_\_\_\_\_  
Date: \_\_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_

CLIENT OR PROJECT NAME 80 Lister Avenue DATE SAMPLES SHIPPED \_\_\_\_\_

PROJECT NUMBER 8545 SHIPPER/CARRIER Federal Express

REQUIRED REPORT DATE \_\_\_\_\_ WAY BILL NUMBER \_\_\_\_\_

REPORT TO: IT Corporation-Knoxville BILL TO: IT Corporation

ATTN: Carol Colclough 312 Directors Drive

312 Directors Drive Knoxville, TN 37923

TELEPHONE NO: (615)690-3211 PURCHASE ORDER NO: \_\_\_\_\_

(ENCLOSE CHAIN OF CUSTODY FORM)

SAMPLE IDENTIFICATION	SAMPLE VOLUME	PRESERVATIVE	REQUESTED TESTING PROGRAM

TURNAROUND TIME REQUIRED:

Normal, usually 5-15 working days  Priority (3-5 days)  Rush (1-2 days)

Other \_\_\_\_\_

Disposition of Sample Remaining After Analysis Completion Hold for re-shipment to Newark at end of project for on-site disposal.

Special Sample Storage None

Special QA/QC As described to meet project requirements

POSSIBLE HAZARD IDENTIFICATION (Please note if sample(s) are hazardous materials and/or suspected to contain high levels of chemical compounds):

Flammable  Poison  Skin Irritant  Toxic  Other, \_\_\_\_\_

Identify hazardous material or chemical matrix: Dioxin

Samples Requiring Disposal as Hazardous Materials are Subject to Additional Charges

Remarks: \_\_\_\_\_

Receiving Laboratory \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

FIGURE A-6

TYPICAL REQUEST FOR ANALYSIS FORM

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DALLAS, TEXAS



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DRAWING 846248 - A40  
NUMBER

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APPROVED BY

D Weick  
1-29-85

DRAWN  
BY

INDIVIDUAL SAMPLE CHECKLIST  
80 LISTER AVENUE

SAMPLE NO: \_\_\_\_\_

MATRIX: \_\_\_\_\_

COMPOSITE NO: \_\_\_\_\_

<u>ANALYSIS</u>	<u>REQUESTED (✓)</u>	<u>DATE RESULTS REC'D</u>	<u>LABORATORY BATCH #</u>
Dioxin	_____	_____	_____
Organics	_____	_____	_____
Classical/Inorganic	_____	_____	_____
Haz Cat	_____	_____	_____
Asbestos	_____	_____	_____
Air (Metals)	_____	_____	_____
Air (All Parameters)	_____	_____	_____
Geochem	_____	_____	_____
VOA Only	_____	_____	_____
IH - Organics	_____	_____	_____
IH - 2,4,5-T/2,4-D	_____	_____	_____
IH - Sulfuric Acid	_____	_____	_____
IH - Asbestos	_____	_____	_____
NJDEP Split	_____	_____	_____

CHAIN-OF-CUSTODY (To Knoxville) \_\_\_\_\_

CHAIN-OF-CUSTODY (From Knoxville): \_\_\_\_\_

FIELD LOG PAGE (Copy): \_\_\_\_\_

FIGURE A-7

INDIVIDUAL SAMPLE  
CHECKLIST FORM

PREPARED FOR

DIAMOND SHAMROCK  
DALLAS, TEXAS



ATTACHMENT 1  
TO APPENDIX A  
SAMPLE IDENTIFICATION

1.0 INTRODUCTION

All samples collected at the 80 Lister Avenue site will be identified by sample location, a unique label number, sample type, and sample destination. Site soil and ground water samples will also have the sample elevation indicated in this designation.

Depending on the type of sample, a 12-digit or 10-digit designation will be used, as diagrammed below:

12-Digit Designation

Site Grid Location	Unique, Pre- printed Label No.	Elevation	Sample & Type	Sample Destination
-----------------------	--------------------------------------	-----------	------------------	-----------------------

10-Digit Designation

Sample Lo- cation Series Code	Unique, Pre- printed Label No.	Sample and Type	Sample Designation
--	--------------------------------------	--------------------	-----------------------

Complete numbers will be assigned, and typed onto preprinted labels, on site in Newark, as sample collection schedules are determined.

Following is a discussion of each element within the sample designations, including specific assignments of code numbers and letters, where applicable.

2.0 LOCATION CODES

2.1 Field Samples

All soil samples (surface or borings, inside structures or outside) and all ground water samples collected will be located according to the three-dimensional grid described in the Work Plan. This is a three-digit designation, letter-number-letter, defining the 12.5- x 12.5-foot area from which the sample was taken.

River sediments will be located according to defined, three-digit, numerical station numbers, as indicated in Figure A-1 of Appendix A.

All site water samples are anticipated to be ground water from monitoring wells drilled on site. Thus, soil cores from a well boring and the water subsequently collected from the developed well will have the same grid location code in the sample designation.

## 2.2 Structure, Drum, Air, and All Other Samples

All other kinds of samples will be located by assignment of a four-digit series of numbers to each structure or sample type. The first digit of the four-digit code will identify the general location from which the sample was taken. Listed below are these assigned codes; the descriptions that follow define how the remaining digits will be used to further locate and identify each sample.

<u>General Sample Location</u>	<u>Assigned Code Series</u>
Drums	0000
Office and Laboratory Building	1000
Warehouse	2000
Manufacturing Building (w/Boiler House)	3000
Process Building	4000
Smoke Stack	5000
Solvent Storage Shed/Well House	6000
Chemical Storage Tanks	7000
Sewers/Sumps	8000
Miscellaneous	9000

### 2.2.1 Series 0000 - Drums

Each drum will be sampled individually, numbered individually, and relocated on site as necessary to provide easy access and identification.

As no further segregation of the drums will be attempted prior to analysis, the remaining three digits in the series code will be assigned in sequence as the drums are sampled (0001, 0002, 0003, etc.). This will allow a continuous tally of how many drums have been sampled.

Also, available information about each individual drum and its contents must be included in the field log notebook at the time the samples are collected. Physical condition of the drum, noticeable leaks, description of the drum contents, original location, and any data still legible on the drum label should be contained in these field log notebook entries.



Compositing of drum samples will be decided and performed at the laboratory based on all available information and HazCat results. New code numbers will be assigned in sequence to composite samples for dioxin analysis, beginning with 0700.

#### 2.2.2 Series 1000 - Office Building

The second digit of this building code will define whether the sample is interior or exterior and, for interior samples, which floor it is on. A "1," "2," "3," or "4" in this position will indicate an interior building sample from the first, second, third, or fourth (roof) floor. A "5" in this position will indicate an exterior sample.

Separator rooms or areas within the building will then be numbered 0 to 99 on each floor (Figures A1-1 and A1-2); this will utilize the third and fourth code series digits for interior samples. For exterior samples, these two digits will designate the compass direction of the wall sampled, as follows:

- 01 North Wall
- 02 South-A Wall
- 03 South-B Wall
- 04 East-A Wall
- 05 East-B Wall
- 06 West Wall

The "A" and "B" designations for the south and east walls are illustrated in Figure A1-1.

For example:

The Series Code 1202 defines a sample taken from the office building, second floor, second room. The number 1202 is considered the room identification number and will be written on placards at the entrance to the room; this will aid all concerned in avoiding misidentification of room designations.

The Series Code 1506 defines an exterior sample from the office building taken from the west wall.

### 2.2.3 Series 2000 - Warehouse

Use of the second, third, and fourth digits in this building code will be analogous to the description for their use in the office building series. Room codes are illustrated in Figure Al-3. Most of the warehouse is an open, two-story structure; the second level is limited to an open storage area over the kitchen/lunchroom area, as indicated in Figure Al-3. No room designations will be made for this floor--the last two code digits will always be "00." As an example:

The Code Number 2105 defines a sample from the fifth room on the first floor of the warehouse. the number 2105 will be posted in clear view in this room.

### 2.2.4 Series 3000 - Manufacturing Building

Code designations are, generally, analogous to the Office Building description. This building is technically a two-story open structure with "false floors" created using iron grating stairways and supports. The second code digit will still indicate on which level the sample was taken. Since individual rooms are not defined on any level, the last two digits will always be "00." For example:

The Code Number 3400 defines a sample collected from the roof of the manufacturing building. Specific areas will not be coded for roof samples from any building; thus the third and fourth digits will always be "00" when the second digit is a "4" for any building code.

### 2.2.5 Series 4000 - Process Building

This building is a three-story open structure with levels created using the grating stairways and floors described for the manufacturing building. Code designations will also be analogous to those described for the 3000 series samples. For example:

The Code Series 4100 defines a sample from the first floor of the process building.

NOTE: For all buildings, use of the designator "4" as the second digit in the series code will always refer to a sample from the roof, whether or not the building has exactly three interior floors. The appropriate

number will be used to define each floor or level that the building does have; none has more than three inside floors.

#### 2.2.6 Series 5000 - Stack

A limited number of chip and scrape samples are scheduled for collection from the stack. The three remaining digits will be assigned sequentially (i.e., 5001, 5002, . . . 5011 . . .) as samples of any type are collected; this will provide a continuous tally of the number of samples taken from the stack. As an example:

The Series Code 5015 denotes the fifteenth sample (chip or scrape) from the stack.

#### 2.2.7 Series 6000 - Solvent Storage Shed/Well House

These are both single-room, single-story, small structures and have been grouped under the same series code due to the limited number of samples slated for collection from each. The second digit will be used to specify which of the two structures was sampled and whether it is an interior or exterior sample, as follows:

6100: Interior, Solvent Storage Shed  
6500: Exterior, Solvent Storage Shed  
  
6200: Interior, Well House  
6600: Exterior, Well House

The third and fourth digits in each case will always be "00" for interior and exterior samples from both structures. For example:

The Series Code 6200 designates a sample taken from the interior of the well house.

#### 2.2.8 Series 7000 - Chemical Storage Tanks

Chemical storage tank samples will be coded with the first digit "7." All chemical storage tanks on the site will be assigned a three-digit identification number, starting with 001. This identification number will constitute the last three digits of the series code. Tanks will be physically labeled with the three-digit ID numbers to minimize confusion.

2.2.9 Series 8000 - Sewers/Sumps

Approximately 20 samples (10 wipes and 10 scrapes) are anticipated for collection from the sewer system on site. The first digit, "8," will identify a sample as from the sewer system; the second, third, and fourth digits will be assigned in sequence over the course of sample collection as a counter.

2.2.10 Series 9000 - Miscellaneous

This series code will be reserved to accommodate any sample types or locations that do not fit into any of the categories already specified. At present, two sample types can be identified for inclusion in this series; the second digit will be used to code these sample types as follows:

- 9000 Site Surface Water
- 9100 Decon Water and Wipes
- 9200 NJDEP Split
- 9300 Fisher water check for Dioxin
- 9400 NJDEP Background and Spike/Control Samples
- 9500 Tank Farm
- 9600 Background Soil
- 9700 Open
- 9800 Open
- 9900 Open

The open codes will be assigned when and if the need arises. The last two digits will always be "00" unless additional codes become necessary for new sample types.

2.2.11 Air Samples

All ambient air samples will be taken from a single location on site at a frequency of one sample set per day (24 hours) for 30 consecutive days. The first digit of the series code will contain an "A" to designate these samples; the remaining three digits will identify the particular filter or sorbent tube and the analysis intended as follows:

<u>Series Code</u>	<u>Sampling Method</u>	<u>Parameter</u>
A001	Hi-Vol Glass Fiber Filter	TSP, PHA, Dioxin, Pesticides
A002	IPM Filter	Metals, IPM

A003	Sorption, Tenax-GC	VOC's
A004	Sorption, Carbosphere	Vinyl Chloride
A005	Membrane Filter	Asbestos
A006	PUF	Dioxin (Gas Phase)
A007	PUF	Pesticides & Dioxin

A single sample utilizing all of these codes will be collected every day that air sampling is in progress; each code represents one fraction of the daily air sample. All fractions from a given day would have the same preprinted label number.

#### 2.2.12 Industrial Hygiene

Sampling badges or personnel pumps will be worn by field personnel to monitor the levels of dioxin exposure during the course of sample collections. These will be coded using an "H" in the first position of the series code to denote an industrial hygiene sample. The second code digit will identify the type of IH sample:

H000 Charcoal Tube  
H100 Fluorisil Tube  
H200 Silica Gel Tube  
H300 Glass Fiber Filter  
H400 MCEF  
H500 XAD Tube  
H600 Wipe  
H700 Water  
H800 Open  
H900 Open

The last two digits will be "00" in all cases; open codes will be assigned as needed.

#### 2.2.13 Field Blanks/Trip Blanks

These quality control samples collected on site will be designated in a manner analogous to that described for the industrial hygiene samples above. Field blanks will be designated by an "F" in the first code position; a "T" in this position will identify a trip blank. The remaining three spaces will be used as a counter to indicate total number of field blanks or total number of trip blanks.

#### 2.2.14 Program Level Quality Control

Quality control samples of various types will be prepared at the Knoxville laboratories and shipped to New Jersey for inclusion with regular sample shipments. These samples shall be "blind" to all individual laboratory personnel; the series code designations, therefore, should not be common knowledge beyond the Sampling Coordinator and sample handling staff.

The series codes assigned to Program QC Samples may be from any series described; the actual codes will be chosen so as to not be confused with the usual samples from that series. Full sample designation assignments (except unique label numbers) will be made in Knoxville by the Program QC Director. This information will be included with each set of samples to facilitate routine coding procedures on site.

#### 3.0 UNIQUE, PREPRINTED LABEL NUMBERS

A four-digit number will immediately follow the Location Code designation. This number will be assigned to only one sample, whether a 10- or 12-digit designation is used. Twelve labels containing this number and the appropriate spaces for the remaining identification codes will be preprinted and available for use on each sample bottle filled from a single source and to insert into the field log notebook.

These numbers will be assigned sequentially by the Sampling Coordinator when daily sampling schedules are arranged. The full sample code designations will be determined at the same time.

#### 4.0 ELEVATION DESIGNATION

This three-digit code number is applicable to the 12-digit designation only.

Elevation codes for near-surface and soil boring samples will indicate the progression and location of samples through different stratigraphic layers. Field notes will indicate the actual depth of the sample.

A code of "100" will indicate the first sample in the fill zone; "101" will indicate the next sample and so on. In all cases, the elevation code "109" will indicate the last sample in the fill.

For example, if six samples are obtained from the fill, the elevation code on the six samples will be "100," "101," "102," "103," "104," and then "109" to indicate the last sample of that zone (Figure Al-4).

A code of "200" will indicate the first sample from the silt zone. each sample thereafter in the silt zone from the same boring will be given a progressively higher number, e.g., "201," "202," "203." There is no special designation code to indicate the end of the silt zone.

If any samples are taken below the silt zone, these will be numbered in a similar fashion beginning with "300."

For ground water samples, this number will be used to describe which aquifer has been sampled by indicating the appropriate depth:

<u>Aquifer</u>	<u>Elevation Code</u>	<u>Depth (ft)</u>
Fill Zone	290	10
Silt Zone	275	25
Upper Sand Zone	265	35
Lower Sand Zone	200	100

River sediments will also have elevation codes. A designation "300" indicates the uppermost sample (first sample) from a specific location. Samples taken from the same location at elevations below the "300" sample will be given elevation designations in increasing order. Actual elevations and depth of samples will be indicated in the field log notebook.

Code Number 1-3-0-1420-300-M-L defines the uppermost river sediment sample from Station 1-3-0 with a unique number of 1420. This sample is designated for dioxin analysis at Directors Drive.

Code Number 1-3-0-1421-299-M-L defines the river sediment sample below the "300" sample at Station 1-3-0. Its unique number is 1421 and is the sample designated for dioxin analysis at Directors Drive.

5.0 SAMPLE TYPE CODES

There will be nine types of samples taken, and each will be designated by a code letter as follows:

<u>Sample Type</u>	<u>Code</u>
Bulk (for asbestos)	B
Soil	S

Sediment	M
Wipe	W
Chip	C
Scrape	X
Drum	D
Water	H
Air	A
Industrial Hygiene	T
Tank	N
Sewers/Sumps	Z

The sample type code will appear in the sample number directly after the unique label entry in 10-digit designations and after the elevation entry in 12-digit designations.

#### 6.0 SAMPLE DESTINATION CODES

Individual sample containers will be shipped to one of three ITC laboratories or to all three labs from the Newark site. The following code letters will represent the appropriate destination:

<u>ITC Laboratory</u>	<u>Code</u>
Archive-Directors Drive + 80 Lister Avenue (Geotechnical)	G
Cerritos, CA	C
Limited Access Lab, Directors Drive, Knoxville, TN	L
Middlebrook Pike, Knoxville, TN	K
Sent to all three labs directly from Newark	Y
New Jersey DEP Split	J

#### 7.0 SUMMARY: 12-DIGIT SAMPLE DESIGNATIONS

An example of a complete sample designation for a field sample and its interpretation is as follows:

J - 4 - P - 2783 - 201 - S - L

This soil sample is in grid area "J-4," from the "P" subarea of that square. The unique, sequential label number 2783 has been assigned to this sample. It is a soil and is the second sample from the silt zone. Its shipping destination is Directors Drive, Knoxville, for dioxin analysis.



Another example:

E - 6 - G - 4896 - 265 - H - Y

This is a well water sample from the well drilled in grid location "E-6" in the "G" subarea of that square. The well is situated in the Upper Sand Zone aquifer, at a depth of 35 feet. The sample has been assigned the unique label number 4896; this sample is being sent to all three laboratories for full priority pollutants and dioxin analyses.

#### 8.0 SUMMARY: 10-DIGIT SAMPLE DESIGNATIONS

An example, with its interpretation, is as follows:

0492 - 3112 - D - L

This is a drum sample, the 492nd drum sample collected. It has been assigned the unique label number 3112, and is being shipped to Directors Drive, Knoxville.

Another example:

2200 - 1111 - W - L

This is a wipe sample for dioxin analysis at Directors Drive from the second floor of the Warehouse (room identification No. 2200).

A third example:

8010 - 0137 - X - D

This is a scrape sample from the sewer/sump system--the tenth sample collected in the sewer system. It is being shipped to Directors Drive, Knoxville, and has been assigned the unique label number 0137.

And a final example:

A004 - 0266 - A - D

This is the Tenax-GC sorption tube fraction of an air sample, unique label number 0266, shipping destination Directors Drive, Knoxville, for archival until specific samples for full analysis are selected.

#### 9.0 FIELD LOG NOTEBOOK ENTRY REQUIREMENTS

The sample designations described above are designed to identify and locate each sample collected. In several cases, however, the

series codes are utilized as counters, as for drum samples, since the nature and/or location of each sample is too ambiguous or too variable to allow specific code assignments. Therefore, specific, detailed information pertaining to individual samples must be recorded in the field log notebook, by the sampling personnel at the time of sample collection.

Sample labels containing the complete sample designation are inserted into the field log notebook prior to sampling. The standard procedure for making field notebook entries must be followed carefully.

The goal to be kept in mind is that the field log notebook entries will be the most complete descriptions of every sample collected. Anything pertinent to the identity or integrity of a sample must be included here; this is the only mechanism for recording such information that is not limited in length, either by coding or space restrictions. It must be clear and complete.

DRAWING NUMBER 846248 - A 35

CHECKED BY [Signature]

APPROVED BY [Signature]

D. Weick  
1-29-85

DRAWN BY

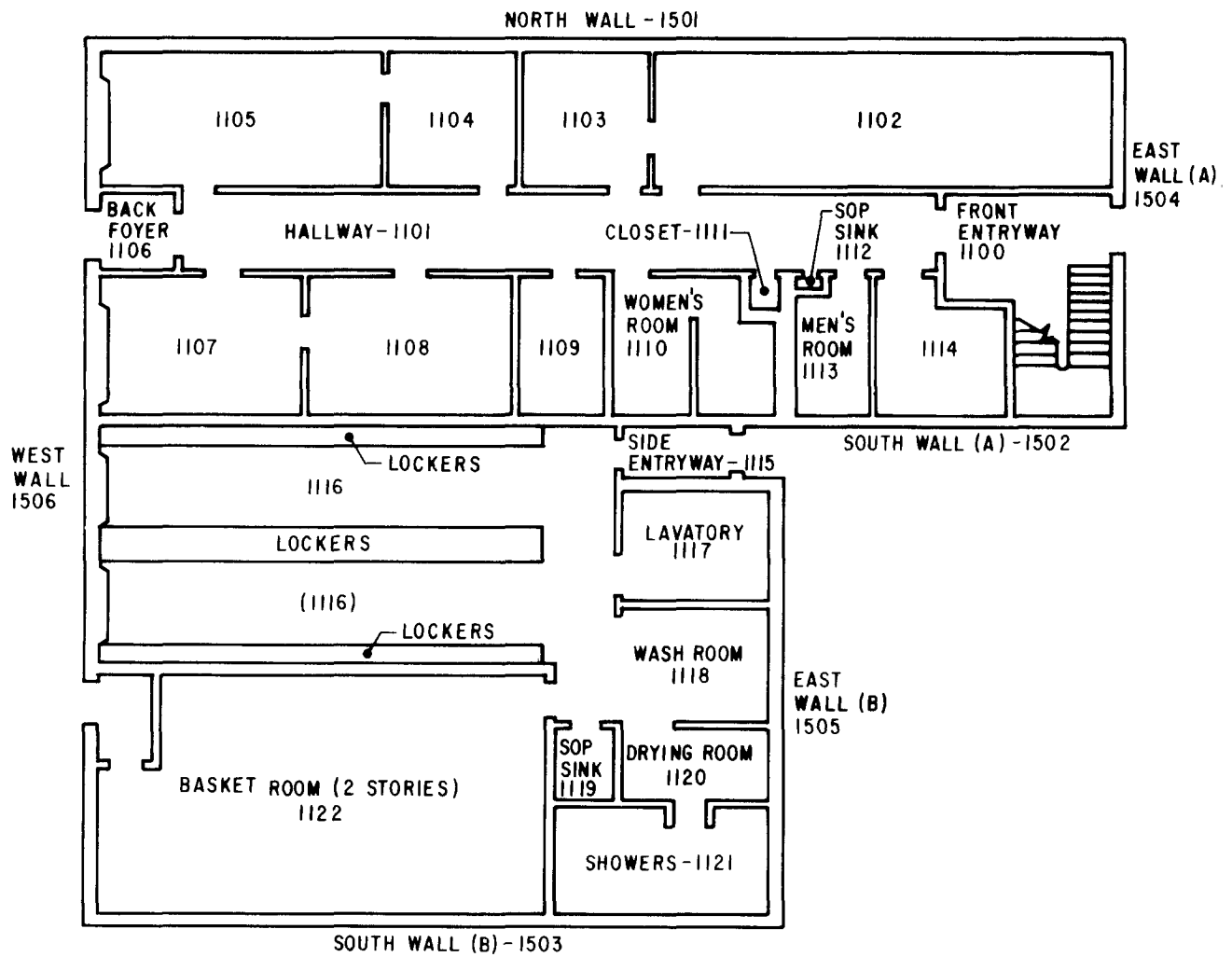


FIGURE AI-1

OFFICE AND LABORATORY BUILDING  
ROOM AND EXTERIOR WALL CODES  
FIRST FLOOR (1100 SERIES)  
EXTERIOR (1500 SERIES)

PREPARED FOR

DIAMOND SHAMROCK  
DALLAS, TEXAS



DRAWING 846248 - A36  
NUMBER

CHECKED BY  
APPROVED BY

D. Weick  
1-29-85

DRAWN BY

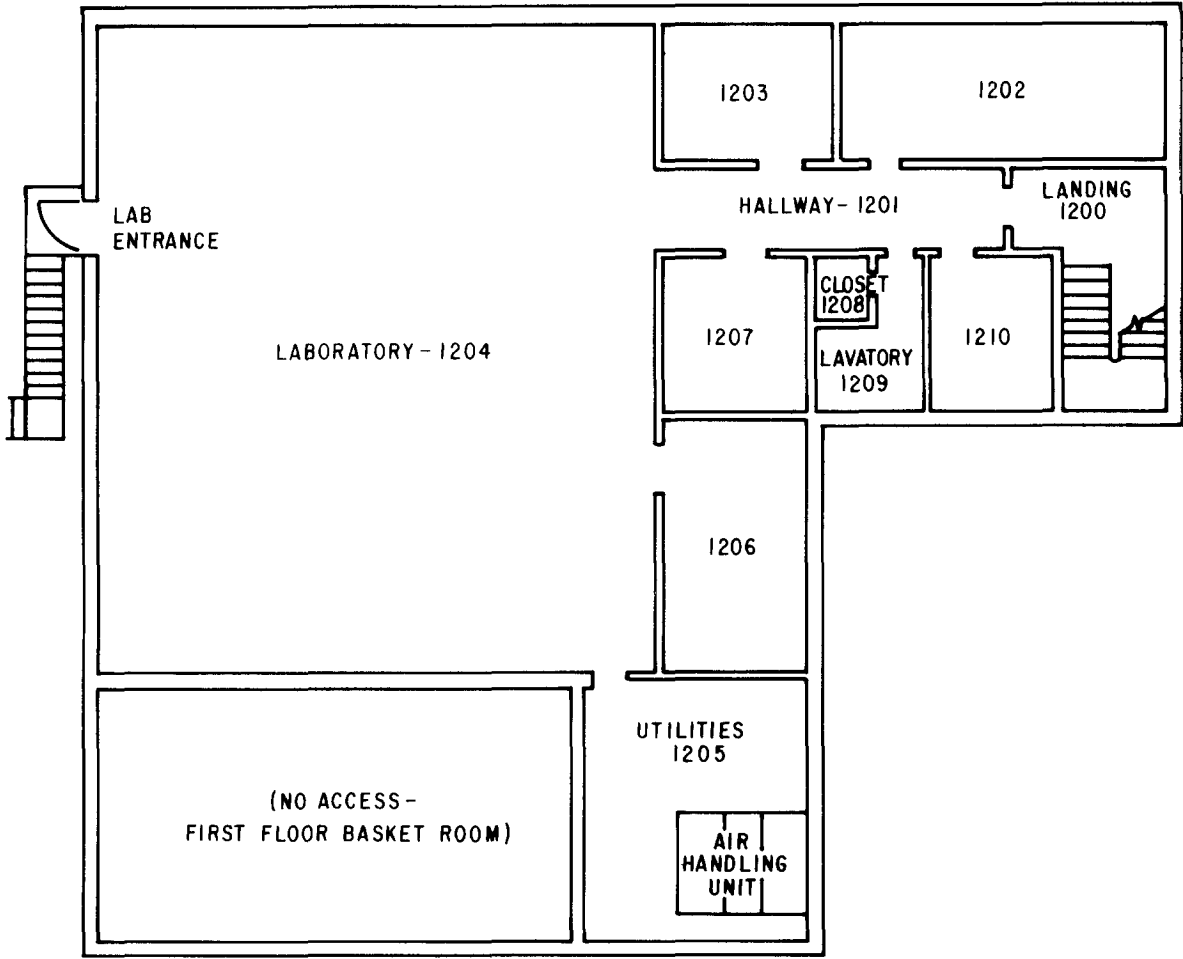


FIGURE A1-2

OFFICE AND LABORATORY  
BUILDING ROOM CODES  
SECOND FLOOR (1200 SERIES)

PREPARED FOR

DIAMOND SHAMROCK  
DALLAS, TEXAS



DRAWING NUMBER 846248-A37

CHECKED BY  
APPROVED BY

D. Weick  
1-29-85

DRAWN BY

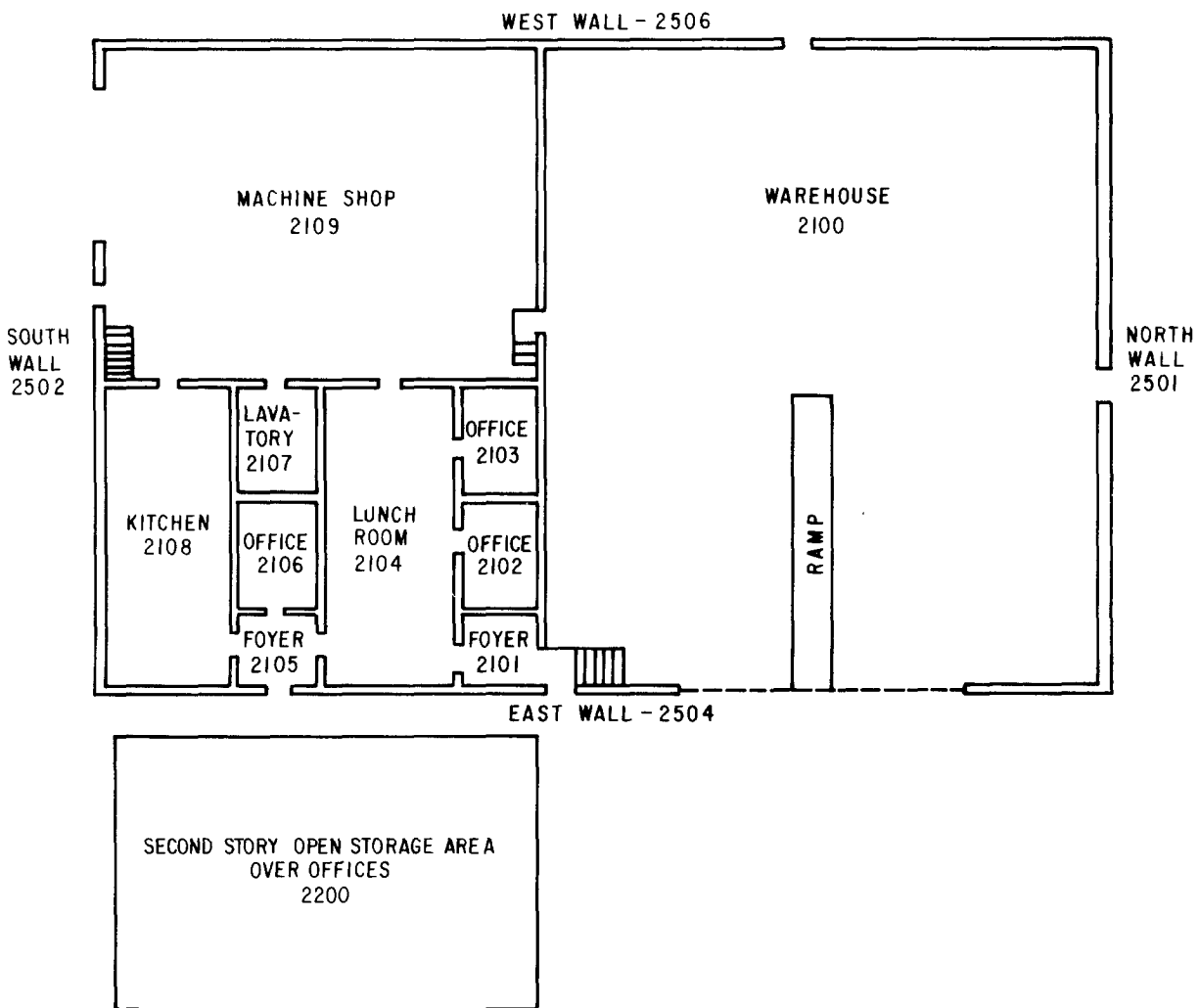


FIGURE AI-3

WAREHOUSE ROOM AND EXTERNAL WALL CODES

PREPARED FOR

DIAMOND SHAMROCK  
DALLAS, TEXAS

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 D Weick  
 1-29-85  
 DRAWN BY

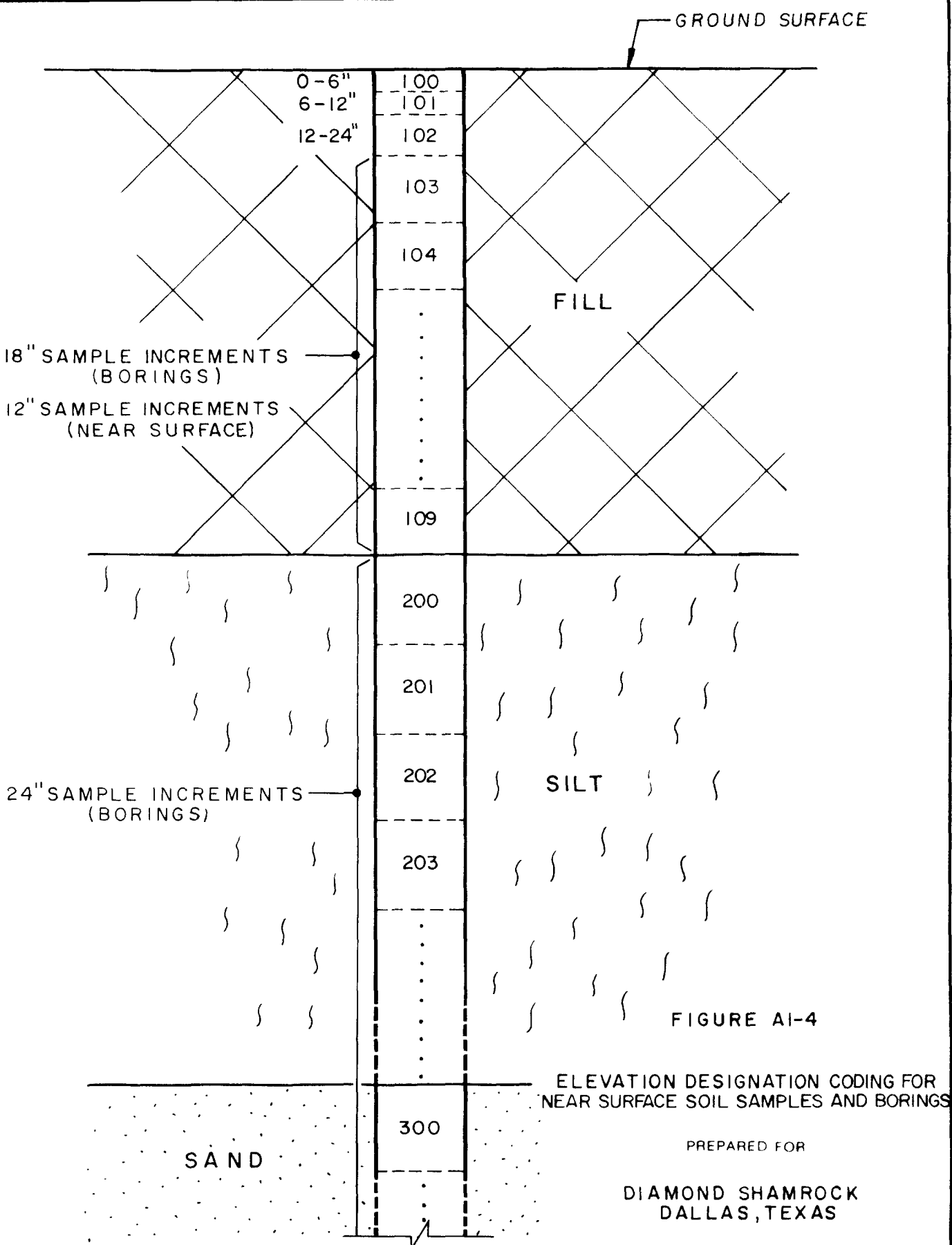


FIGURE AI-4

ELEVATION DESIGNATION CODING FOR  
NEAR SURFACE SOIL SAMPLES AND BORINGS

PREPARED FOR  
DIAMOND SHAMROCK  
DALLAS, TEXAS



ATTACHMENT 2  
TO APPENDIX A

FIELD LOG NOTEBOOK SAMPLE ENTRY GUIDELINES

1. Write sampling date clearly across the top of each page; always start a new page at the start of a new day of sampling.
2. Include a brief description of weather conditions (approximate temperature, sunny or cloudy, etc.) under date.
3. List members of sampling team--print full names clearly. If the team members change at some point during the day, the full names of the "new" team must be entered at that time.
4. Individual sample entries begin from this point. Put a sample label with the full 10- or 12-digit sample identification number directly into the Field Log Notebook; then write all pertinent information describing that sample, as well as how and where it was collected--be specific! Include at least:
  - a. Time of day (include AM/PM)
  - b. Sample type
  - c. Description of location; use landmarks, diagrams, or maps as appropriate
  - d. Amount collected/containers filled
  - e. Description of any unusual sample features (i.e., odor, color).
5. Include Field Travel Blank entries in a similar format.
6. Limit each sample entry to a single, discrete page. DO NOT spread a sample entry out over two pages or record more than one sample per page.
7. Each page of the notebook must be signed and dated in the bottom righthand corner by a member of the sampling team listed at the start of the day.
8. When activity descriptions other than actual sample descriptions are entered (e.g., laying out a grid, staging, etc.), be sure they are clearly separated from sample entries to avoid confusion. Either leave sufficient space or draw a line across the page to mark the end of one entry and the start of another.

APPENDIX  
**B**










APPENDIX B

APPENDIX B  
TABLE OF CONTENTS

DESCRIPTION	PAGE OR NUMBER
NEAR-SURFACE SOIL SAMPLES, GENERAL NOTES AND LEGEND	B-1
NEAR-SURFACE SOIL SAMPLE LOGS	B-2
BORING LOG, LEGEND AND NOMENCLATURE	B-21
BORING LOGS (1984)	B-22
BORING LOGS (1960)	B-48
MONITORING WELL INSTALLATION LOGS	B-53
RIVER SEDIMENT LOG	B-64

# NEAR SURFACE SOIL SAMPLES GENERAL NOTES AND LEGEND

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

-  ASPHALT
-  FILL
-  CONCRETE
-  VOID (INDICATES SIZE OF VOID)
-  WATER
-  APPROXIMATE EXISTING GROUND
-  APPROXIMATE TOP OF ROCK

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.

 2' O D SPLIT BARREL SAMPLE

75/0 5' PENETRATION REFUSAL RESISTANCE AND FRACTIONAL INCREMENT DRIVEN IN FEET

 1-8-81 GROUND WATER LEVEL AND DATE

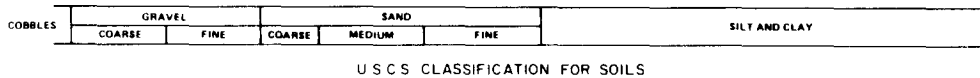
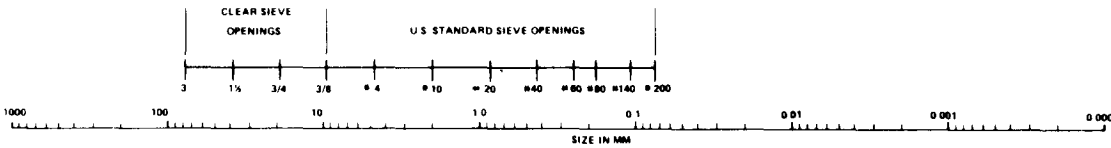
U S C S UNIFIED SOIL CLASSIFICATION SYSTEM (CAPITAL LETTERS INDICATE LAB TEST CLASSIFICATION, LOWER CASE LETTERS INDICATE VISUAL FIELD CLASSIFICATION)

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

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

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 12 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





# SHALLOW BORING LOG

B-2

DATE BEGAN 10-8-84 BORING NO. A-2-G FIELD ENGINEER D.E.B./T.C.O.  
 DATE FINISHED 10-22-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 99.25' N 21 E 71

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
	0.0	S-100	[Cross-hatched profile]	FILL: LOOSE, BROWN, SAND, SOME GRAVEL, SILT, ASH, AND BRICK, MOIST		FILL: brown coarse to fine SAND, little (+) medium to fine (+) Gravel, little (-) fine Silt (Some Ash and Brick)				S-100, S-101, AND S-102 TAKEN WITH A HAND TROWEL S-103 TAKEN WITH A HAND AUGER REFUSAL AT 2.8'
	1.0	S-101								
	2.0	S-102								
	2.8	S-103								
	3.0			CONCRETE SLAB	3.0'	CONCRETE SLAB	3.0'			HOLE COMPLETED WITH DRILL RIG USING HOLLOW STEM AUGERS AND SPLIT-SPOON SAMPLER
	4.0	104	[Cross-hatched profile]	FILL: MEDIUM DENSE, BLACK, GRAVEL AND SAND, SOME SILT, TRACE CINDERS AND ORGANICS, MOIST (OILY SUBSTANCE IN SAMPLES)		FILL: black coarse to fine SAND, and medium to fine (+) Gravel, little (-) fine Silt (Trace Cinders and Organics)				HOLE BACKFILLED WITH CEMENT GROUT TO THE GROUND SURFACE
95.0		104								
94.25	5.0	104								
				BOTTOM OF BORING AT 5.0'						

### NOTES

10" PVC CASING INSTALLED 0.0'-0.5'  
 8" PVC CASING INSTALLED 0.0'-1.0'  
 4" PVC CASING INSTALLED 0.0'-2.0'

CASINGS WERE SET WITH QUICK DRYING HYDRAULIC CEMENT HOLE DRILLED BY HAND TO 2.8' AND COMPLETED WITH A ROTARY DRILL RIG USING A SPLIT-SPOON SAMPLER

Project No 846248

Boring No A-2-G

Sheet 1 Of 1



SHALLOW BORING LOG

B-3

DATE BEGAN 10-11-84 BORING NO. A-4-F FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-19-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 100.54' N 28 E 239

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
100.0				Concrete Slab		Concrete Slab				CONCRETE CORED WITH AN 8" THIN WALLED BIT S-100 AND S-101 SAMPLED WITH A HAND TROWEL S-102 SAMPLED WITH A 3' BUCKET AUGER HOLE LEFT AT 2.6' AND COVERED TO BE COMPLETED LATER S-103 THRU S-105 SAMPLED WITH A 3" BUCKET AUGER
	0.6'									
	1.0	S-100		FILL: BROWN, SAND AND GRAVEL, MOIST		FILL: brown coarse to fine SAND, some (+) medium to fine Gravel				
	1.1'									
	1.6	S-101		FILL: BROWN, SAND, MOIST		FILL: brown coarse to fine SAND				
	1.6'									
	2.0			FILL: DARK BROWN, SAND, SOME SILT, MOIST		FILL: dark brown coarse to fine SAND, some (-) Silt				
	2.6	S-102								
	2.6'									
	3.0			FILL: LOOSE, BLACK, SANDY SILT, SOME GRAVEL, MOIST		FILL: black SILT, some (+) medium to fine Sand, some (-) medium to fine (+) Gravel				
	3.0	S-103								
	4.0									
	4.0	S-104								
	5.0									
	5.0	S-105								
95.54	5.5			BOTTOM OF BORING AT 5.5'						HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

NOTES  
 8" PVC CASING SET 0.0'-1.5' CASING SET WITH CEMENT GROUT HOLE DRILLED BY HAND

Project No 846248

Boring No A-4-F

Sheet 1 Of 1



SHALLOW BORING LOG

B-4

DATE BEGAN 10-18-84 BORING NO. A-5-G FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-18-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 100.54' N 28.1 E 233.5

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
100.0			+	ASPHALT PAVEMENT	0.4'	Asphalt Pavement	0.4'			ASPHALT CORED WITH 8" THIN WALLED BIT
	1.0	S-100	+	FILL: MEDIUM DENSE, DARK BROWN, SAND AND GRAVEL, SOME ASH AND BRICK, MOIST		FILL: dark brown coarse to fine SAND, and (-) medium to fine (-) Gravel, (some (-) Ash and Brick)				S-100 AND S-101 SAMPLED WITH HAND TROWEL
		S-101								S-102 SAMPLED WITH POST HOLE DIGGER
	2.0	S-102								S-103, S-104 AND S-105 SAMPLED WITH 3' BUCKET AUGER
	3.0	S-103								
	4.0	S-104								
	4.8			SAMPLE BECOMES WET AT 4.8'						
	5.0	S-105								
95.04	5.5			BOTTOM OF BORING AT 5.5'						PVC CASINGS REMOVED BEFORE BACKFILLING OF HOLE
										HOLE BACKFILLED WITH CEMENT GROUT TO SURFACE

NOTES  
 8" PVC CASING SET 0.0'-1.5'  
 6" PVC CASING SET 0.0'-2.5'  
 HOLE DRILLED BY HAND

Project No 846248

Boring No A-5-G  
Sheet 1 Of 1



SHALLOW BORING LOG

B-5

DATE BEGAN <u>10-9-84</u>		BORING NO. <u>B-2-M</u>		FIELD ENGINEER <u>D.E.B./T.C.O.</u>			
DATE FINISHED <u>10-22-84</u>		GROUND SURFACE EL <u>98.47</u>		CHECKED BY <u>D.E.B.</u>			
		N <u>86.7</u> E <u>57.4</u>					
ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE	REMARKS
						10 30 50	
	1.0	S-100 S-101 S-102		FILL: LOOSE, BROWN, SAND, SOME GRAVEL, DRY TO MOIST	FILL: brown coarse to fine SAND, little (-) medium to fine (+) Gravel		S-100 AND S-101 SAMPLED WITH A HAND TROWEL S-102 SAMPLED WITH A POST HOLE DIGGER
	1.2'				1.2'		
	2.0			CONCRETE SLAB	Concrete Slab		S-103 THRU S-105 SAMPLED WITH A SPLIT-SPOON SAMPLER
	2.0'				2.0'		
	3.0	S 103		FILL: MEDIUM DENSE, BLACK TO DARK BROWN, COARSE TO FINE SAND, SOME SILT, TRACE GRAVEL AND CINDERS, DRY TO MOIST	FILL: black to dark brown coarse to fine SAND, little (-) Silt, trace fine Gravel (trace Cinders)		DUE TO THE CONCRETE OBSTRUCTION, THE LOCATION WAS MOVED APPROXIMATELY 18' EAST OF ORIGINAL LOCATION
95.0	3.0'				3.0'		
	4.0	S 104		FILL: LOOSE, BLACK, COARSE TO FINE SAND, SOME SILT, TRACE GRAVEL, MOIST TO WET SOME OILY SUBSTANCE IN SAMPLES	FILL: black coarse to fine SAND, little (-) Silt, trace medium to fine (+) Gravel		HIT OBSTRUCTION AT 3.0' MOVED HOLE 10' EAST TO OBTAIN S-104 AND S-105
	4.0'						
93.47	5.0	S 105					HOLE BACK FILLED WITH CEMENT GROUT AFTER SAMPLING
	5.0'						
				BOTTOM OF BORING AT 5.0'			

NOTES

10" PVC CASING SET FROM 0.0'-0.5'  
8" PVC CASING SET FROM 0.0'-1.0'  
CASING SET IN PLACE WITH QUICK DRYING HYDRAULIC CEMENT

HOLE DRILLED BY HAND FROM 0.0-1.2'  
HOLE DRILLED WITH ROTARY DRILL RIG WITH SPLIT-SPOON SAMPLER 1.2-5.0'

Project No 846248

Boring No B-2-M

Sheet 1 Of 1







SHALLOW BORING LOG

B-7

DATE BEGAN 10-10-84 BORING NO. D-4-N FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-18-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 102.96' N 189 E 140

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION U.S.C.S.	U.S.C.S.	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS	
							10	30	50		
				CONCRETE SLAB		CONCRETE SLAB				CONCRETE DRILLED WITH AN 8" THIN WALLED BIT	
	0.6'										
	1.0	S-100		FILL: MEDIUM DENSE, BROWN, SAND, MOIST		FILL: brown medium to fine SAND				S-100 AND S-101 SAMPLED WITH A HAND TROWEL	
		S-101									S-102 SAMPLED WITH A 3" BUCKET AUGER
	2.0	S-102									GRADE BEAM AT 2.0' PARTIALLY BLOCKED HOLE
											GRADE BEAM AT 2.0' PARTIALLY BLOCKED HOLE
100.0	3.0	S-103								HOLE COVERED AND LEFT AT 2.6' TO BE COMPLETED LATER	
	4.0	S-104								10-18-84	
98.46	4.5			FILL: DARK GRAY, SILTY SAND, SOME GRAVEL, MOIST		FILL: dark gray coarse to fine SAND, some (+) Silt, some (-) medium to fine (+) Gravel				S-103 AND S-104 SAMPLED WITH A 3" BUCKET AUGER	
				BOTTOM OF BORING AT 4.5'						REFUSAL AT 4.5' HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING	

NOTES  
 HOLE DRILLED BY HAND

Project No 846248

Boring No D-4-N

Sheet 1 Of 1



# SHALLOW BORING LOG

B-8

DATE BEGAN 10-9-84 BORING NO. E-1-G FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-18-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 98.33' N 259.4 E 24.1

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	S C S	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
	1.0	S-100 S-101	[Cross-hatched profile]	FILL: LOOSE, BROWN, SAND, SOME GRAVEL, MOIST		FILL: brown coarse to fine SAND, some (-) medium to fine, Gravel				S-100 AND S-101 SAMPLED WITH A HAND TROWEL S-102 SAMPLED WITH A POST HOLE DIGGER
	2.0	S-102		FILL: LOOSE, DARK GRAY, SAND AND GRAVEL, WET		FILL: dark gray coarse to fine SAND, some (+) medium to fine (+) Gravel				HOLE CASSED AT 2.0' AND LEFT COVERED TO BE COMPLETED LATER
10-18-84	3.0	S-103								10-18-84 S-103 AND S-104 SAMPLED WITH A 3" BUCKET AUGER
95.0 94.83	3.5	S-104			FILL: MEDIUM DENSE, BLACK, GRAVEL SOME SAND, WET		FILL: black medium to fine (+) GRAVEL, some (+) coarse to fine Sand			
				BOTTOM OF BORING AT 3.5'						

NOTES  
 8" PVC CASING SET FROM 0.0'-1.0' HOLE DRILLED BY HAND  
 4" PVC CASING SET FROM 0.0'-2.0'  
 CASING SET WITH QUICK DRYING HYDRAULIC CEMENT

HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

Project No 846248

Boring No E-1-G  
 Sheet 1 Of 1



# SHALLOW BORING LOG

B-9

DATE BEGAN 10-12-84 BORING NO. E-5-D FIELD ENGINEER D.E.B./T.C.O.  
 DATE FINISHED 10-19-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 98.28' N 195.4 E 226.6

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	SCU	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
			+	ASPHALT PAVEMENT		Asphalt Pavement				ASPHALT CORED WITH 8" THIN WALLED BIT
	1.0	S-100	+		0.5'					SOIL BELOW ASPHALT SATURATED WITH BLACK WATER
		S-101	+	FILL: BLACK SAND, SOME SILT AND GRAVEL, WET		FILL: black coarse to fine SAND, some (-) coarse to fine Silt, and medium to fine (+) Gravel				S-100 AND S-101 SAMPLED WITH A HAND TROWEL
	2.0	S-102	+		2.5'					S-102 SAMPLED WITH A POST HOLE DIGGER
	3.0	S	+	FILL: LOOSE, DARK BROWN, COARSE TO FINE SAND, SOME SILT, TRACE GRAVEL, CINDERS AND BRICK, WET		FILL: dark brown coarse to fine SAND, some (-) coarse to fine Silt, trace fine Gravel (Trace Cinders and Brick)				HOLE LEFT AT 2.5' AND COVERED TO BE COMPLETED LATER
95.0		103	+		3.5'					10-19-84
	4.0	S	+	FILL: MEDIUM DENSE, TO LOOSE, BLACK, FINE SAND, TRACE SILT, BRICK, ROCK AND ASH, WET		FILL: black medium to fine (+) SAND, trace coarse to fine Silt (Trace Brick, Rock and Ash)				S-103, S-104 AND S-105 SAMPLED WITH DRILL RIG USING A SPLIT-SPOON SAMPLER
	5.0	104	+							
92.78	5.5	105	+							
				BOTTOM OF BORING AT 5.5'						HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

NOTES  
 8" PVC CASING SET FROM 0.0'-1.0'  
 4" PVC CASING SET FROM 0.0'-2.0'  
 CASINGS SET WITH CEMENT GROUT

HOLE DRILLED BY HAND FROM 0.0'-2.0' AND DRILLED WITH A DRILL RIG USING A SPLIT-SPOON SAMPLER FROM 2.0'-5.0'

Project No 846248

Boring No E-5-D

Sheet 1 Of 1



SHALLOW BORING LOG

B-10

DATE BEGAN 10-15-84 BORING NO. G-3-I FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-22-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 99.72' N 364.0 E 92.5

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	SSC	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
				CONCRETE SLAB		CONCRETE SLAB				CONCRETE CORED WITH AN 8" THIN WALLED BIT
	0.6'									
	1.0	S-100				FILL: brown medium to fine SAND				S-100 AND S-101 SAMPLED WITH A HAND TROWEL
		S-101		FILL: BROWN, MEDIUM GRAINED SAND, MOIST						S-102 SAMPLED WITH A POST HOLE DIGGER
	2.0	S-102								HOLE LEFT AT 2.5' AND COVERED TO BE COMPLETED LATER
	2.5'									
		S-103		FILL: RED AND BROWN, LOOSE, SAND AND CONCRETE, MOIST		FILL: red and brown medium to fine SAND and Concrete				S-103 SAMPLED WITH A 3" BUCKET AUGER
96.42	3.0									REFUSAL AT 3.3' (CONCRETE)
	3.3									
				BOTTOM OF BORING AT 3.3'						HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

NOTES  
 8" PVC CASING SET FROM 0.0'-1.5'  
 4" PVC CASING SET FROM 0.0'-2.5'  
 CASINGS SET WITH CEMENT GROUT  
 HOLE DRILLED BY HAND

Project No 846248

Boring No G-3-I  
 Sheet 1 Of 1



SHALLOW BORING LOG

B-11

DATE BEGAN 10-22-84 BORING NO. G-3-L FIELD ENGINEER D.E.B./T.C.O  
 DATE FINISHED 10-22-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 99.58 N 309.2 E 133.1

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
	1.0			CONCRETE SLAB		Concrete Slab				CONCRETE DRILLED WITH 6-1/2" ID AUGERS S-100 SAMPLED WITH A HAND TROWEL S-101 THRU S-105 SAMPLED WITH A SPLIT-SPOON SAMPLER
	2.0	S-100		FILL: LOOSE, DARK BROWN, COARSE TO FINE SAND, SOME SILT, TRACE GRAVEL AND CINDERS, DRY		FILL: dark brown coarse to fine SAND, little (+) Silt, trace fine Gravel				
	3.0	101		FILL: MEDIUM DENSE, RED-BROWN MEDIUM TO FINE SAND, SOME SILT, TRACE BLACK CINDERS AND COARSE SAND, DRY TO MOIST		FILL: red brown medium to fine SAND, little (+) Silt, (trace black Cinders and coarse Sand)				
	4.0	102		FILL: MEDIUM DENSE, DARK GRAY TO RED-BROWN, MEDIUM TO FINE SAND SOME SILT, TRACE GRAVEL, MOIST TO WET		FILL: dark gray to red-brown medium to fine SAND, little (+) Silt, trace fine Gravel				
95.0	5.0	103		FILL: DENSE, DARK GRAY TO BROWN, GRAVEL SOME MEDIUM TO FINE SAND, TRACE SILT, WET		FILL: dark gray to brown medium to fine GRAVEL, some (-) medium to fine Sand, trace Silt				
	6.0	104		FILL: VERY LOOSE, RED-BROWN, MEDIUM TO FINE SAND, SOME SILT, TRACE GRAVEL, WET		FILL: red brown medium to fine SAND, little (+) Silt, trace fine Gravel				
93.08	6.5	105								
	7.0			BOTTOM OF BORING AT 6.5'						HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

NOTES  
 DRILLING CO: EMPIRE SOILS INVESTIGATIONS  
 HOLE DRILLED USING A ROTARY DRILL RIG WITH HOLLOW STEM AUGERS AND STANDARD SPLIT-SPOON SAMPLER

Project No 846248 Boring No G-3-L  
 Sheet 1 Of 1



SHALLOW BORING LOG

B-12

DATE BEGAN 10-22-84 BORING NO. G-4-A FIELD ENGINEER D.E.B./T.C.O  
 DATE FINISHED 10-22-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 100.0' N 356.3 E 187.8

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
						10	30	50	
	1.0	S-100 S-101	X	FILL: MEDIUM DENSE, DARK BROWN, COARSE TO FINE SAND, SOME GRAVEL AND SILT, TRACE CINDERS BRICK AND ASH, MOIST 1.0'	FILL: dark brown coarse to fine SAND, some (-) medium to fine Silt (Trace Cinders, Brick and Ash) 1.0'				S-100 AND S-101 SAMPLED WITH A HAND TROWEL  S-102 THRU S-105 SAMPLED WITH A SPLIT-SPOON SAMPLER
	2.0	S 102	X	FILL: MEDIUM DENSE, DARK GRAY AND RED-BROWN, COARSE TO FINE SAND, SOME SILT, CINDERS AND GRAVEL, MOIST 2.0'	FILL: dark gray and red-brown coarse to fine SAND, little coarse to fine Silt, little (-) medium to fine Gravel (Some Cinders) 2.0'				
	3.0	S 103	X	FILL: MEDIUM DENSE, BROWN TO RED- BROWN, COARSE TO FINE SAND, SOME SILT, TRACE GRAVEL AND CINDERS, MOIST 3.0'	FILL: brown to red-brown coarse to fine SAND, little (-) coarse to fine Silt, trace fine Gravel (Trace Cinders) 3.0'				
	4.0	S 104	X	FILL: MEDIUM DENSE, BROWN, SAND AND GRAVEL, SOME SILT, TRACE CINDERS, BRICK AND ASH, MOIST 4.0	FILL: brown coarse to fine SAND, and (-) medium to fine Gravel, little (+) coarse to fine Silt (Trace Cinders Brick and Ash) 4.0'				
95.0	5.0	S 105	X	FILL: MEDIUM DENSE, DARK BROWN, MEDIUM TO FINE SAND, SOME SILT, TRACE GRAVEL, MOIST TO WET 4.0	FILL: dark brown medium to fine SAND, little (+) coarse to fine Silt, trace fine Gravel 4.0'				
				BOTTOM OF BORING AT 5.0'					HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

NOTES  
 THE HOLE WAS DRILLED WITH A ROTARY DRILL RIG USING HOLLOW STEM AUGERS  
 AND A STANDARD SPLIT-SPOON SAMPLER  
 DRILLING CO.: EMPIRE SOILS INVESTIGATION

Project No 846248

Boring No G-4-A

Sheet 1 Of 1



SHALLOW BORING LOG

B-13

DATE BEGAN 10-12-84 BORING NO. G-5-F FIELD ENGINEER D.E.B./T.C.O.  
 DATE FINISHED 10-19-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 99.54' N 323 E 205

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
	1.0	S-100 S-101	[Cross-hatch profile]	FILL: DARK GRAY, SAND, SOME SILT, AND GRAVEL, DRY	1.0'	FILL: dark gray coarse to fine SAND, some (-) coarse to fine Silt, some (-) fine Gravel				S-100 AND S-101 SAMPLED WITH HAND TROWEL  S-102 SAMPLED WITH A POST HOLE DIGGER
	1.3	S-102	[Dotted profile]	FILL: BLACK, SAND, SOME SILT, TRACE GRAVEL, DRY	1.3'	FILL: black coarse to fine SAND, some (-) coarse to fine Silt, trace fine Gravel				CONCRETE DRILLED WITH 8" THIN WALLED BIT
	2.0		[Dotted profile]	CONCRETE SLAB	2.0'	Concrete Slab				HOLE LEFT AT 2.0' AND COV- ERED TO BE COM- PLETED LATER
	3.0	S 103	[Cross-hatch profile]	FILL: MEDIUM DENSE, BROWN, COARSE TO FINE SAND, AND CINDERS, TRACE SILT, DRY	3.0'	FILL: brown coarse to fine SAND, (and (-) Cinders), trace coarse to fine Silt				10-19-84
	4.0	S 104	[Cross-hatch profile]	FILL: VERY LOOSE, DARK BROWN, COARSE TO FINE SAND, AND CINDERS, SOME SILT, TRACE REDDISH BROWN SILTY FINE SAND, MOIST	4.0'	FILL: dark brown coarse to fine SAND, (and Cinders), some (-) coarse to fine Silt, trace reddish brown fine Sand				SAMPLING FROM 2.0'-5.0' COM- PLETED WITH DRILL RIG USING A SPLIT-SPOON SAMPLER
95.0 94.54	5.0	S 105	[Cross-hatch profile]	FILL: VERY LOOSE, BLACK, COARSE TO FINE SAND, SOME SILT, TRACE GRAVEL, CINDERS AND REDDISH BROWN FINE SILTY SAND, MOIST TO WET		FILL: black coarse to fine SAND, some (-) coarse to fine Silt, trace fine Gravel trace reddish brown fine Sand (Trace Cinders)				
				BOTTOM OF BORING AT 5.0'						HOLE GROUTED TO SURFACE AFTER SAMPLING

NOTES  
 4" PVC CASING SET FROM 0.0'-2.0'  
 CASING SET WITH CEMENT GROUT  
 HOLE DRILLED FROM 0.0'-2.0' BY HAND.  
 DRILLED FROM 2.0'-5.0' WITH DRILL RIG  
 USING A SPLIT-SPOON SAMPLER

Project No 846248 Boring No G-5-F  
 Sheet 1 Of 1



SHALLOW BORING LOG

B-14

DATE BEGAN 10-9-84 BORING NO. H-1-H FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-18-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 98.6' N 381.7 E 30

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS	
							10	30	50		
	1.0	S-100		FILL: LOOSE, BROWN, SAND, SOME GRAVEL, TRACE SILT AND ASH, MOIST  CONCRETE IN HOLE (1.2'-1.7')		FILL: brown coarse to fine SAND, some (-) medium to fine (+) Gravel, trace Silt, (Trace Ash)				S-100 AND S-101 SAMPLED WITH A HAND TROWEL  S-102 SAMPLED WITH A POST HOLE DIGGER  CONCRETE IN HOLE FROM 1.2'-1.7' BROKEN WITH DIGGING BAR  HOLE CASSED AT 2.0' AND COVERED TO BE COMPLETED LATER  10-18-84  S-103 THRU S-105 SAMPLED WITH A 3" BUCKET AUGER	
	2.0	S-101									
	3.0	S-102									
	3.2'	S-103									
95.0	4.0	S-104									
	5.0	S-105				FILL: dark gray to black coarse to fine SAND, some (-) medium to fine (+) Gravel, trace Silt, (Trace Ash)					
93.6				BOTTOM OF BORING AT 5.0'							WATER WAS BLACK WITH AN OIL SHEEN  HOLE GROUTED TO SURFACE WITH CEMENT GROUT AFTER SAMPLING

NOTES  
 8" PVC CASING SET FROM 0.0'-1.0' HOLE DRILLED BY HAND  
 4" PVC CASING SET FROM 0.0'-2.0'  
 CASING SET IN PLACE WITH QUICK DRYING HYDRAULIC CEMENT

Project No 846248

Boring No H-1-H

Sheet 1 Of 1





SHALLOW BORING LOG

B-15

DATE BEGAN 10-16-84 BORING NO. H-2-B FIELD ENGINEER D.E.B./C.L.J.  
 DATE FINISHED 10-16-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 100.4' N 395 E 85

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION U S C S	U S C S	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
100.0				CONCRETE SLAB		Concrete Slab				CONCRETE CORED WITH AN 8" THIN WALLED BIT
	0.7'									
	1.0	S-100		FILL: MEDIUM DENSE, BROWN, SAND SOME GRAVEL, MOIST		FILL: brown coarse to fine SAND, some medium to fine (+) Gravel				S-100 and S-101 SAMPLED WITH A HAND TROWEL
	1.2'									
		S-101				FILL: brown coarse to fine SAND, some (-) medium to fine Gravel, (Trace Brick and Ash)				S-102 SAMPLED WITH A POST HOLE DIGGER
	2.0			FILL: MEDIUM DENSE, BROWN, SAND SOME GRAVEL, TRACE BRICK AND ASH, MOIST						S-103, S-104 AND S-105 SAMPLED WITH A 3' BUCKET AUGER
		S-102								S-104 AND S-105 SOME WHITE RESIDUE MIXED WITH SAMPLE
	2.8'									
	3.0									
		S-103								
	4.0			FILL: MEDIUM DENSE, BROWN, SILTY SAND, TRACE GRAVEL, BRICK AND ASH, MOIST		FILL: brown coarse to fine (+) SAND, and fine Silt, trace medium to fine Gravel, (Trace Brick and Ash)				
		S-104								
	5.0									
		S-105								
95.0										
94.6	5.8									
				BOTTOM OF BORING AT 5.8'						HOLE BACKFILLED TO SURFACE WITH CEMENT GROUT AFTER SAMPLING

NOTES  
 8" PVC CASING SET FROM 0.0'-1.75'  
 4" PVC CASING SET FROM 0.0'-2.75'  
 CASING SET WITH QUICK DRYING HYDRAULIC CEMENT  
 HOLE DRILLED BY HAND

Project No 846248

Boring No H-2-B  
Sheet 1 Of 1



# SHALLOW BORING LOG

B-16

DATE BEGAN 10-15-84 BORING NO. H-2-H FIELD ENGINEER D. E. B.  
 DATE FINISHED 10-22-84 CHECKED BY D. E. B.  
 GROUND SURFACE EL 99.45' N 365.3 E 63.7

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	SOIL	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
	1.0	S-100	[Cross-hatched profile]	FILL: BLACK, SAND AND GRAVEL, SOME SILT, DRY		FILL: black coarse to fine SAND, and (-) Gravel, some fine Silt				S-100 AND S-101 SAMPLED WITH A HAND TROWEL S-102 SAMPLED WITH A POST HOLE DIGGER HOLE LEFT AT 2.0' AND COVERED TO BE COMPLETED LATER
	2.0	S-102								
96.95	2.5	S-103								
				FILL: BROWN, SANDY SILT, SOME GRAVEL, TRACE SLAG AND CLAY, MOIST		FILL: brown coarse SILT, and fine Sand, little (+) fine Gravel, trace (-) Clay, (Trace Slag)				S-103 SAMPLED WITH A 3" BUCKET AUGER
				BOTTOM OF BORING 2.5'						REFUSAL AT 2.5' (CONCRETE)  HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

NOTES  
 8" PVC CASING SET FROM 0.0'-1.0'  
 4" PVC CASING SET FROM 0.0'-2.0'  
 CASINGS SET WITH CEMENT GROUT  
 HOLE DRILLED BY HAND

Project No 946248

Boring No H-2-H  
Sheet 1 Of 1





SHALLOW BORING LOG

B-18

DATE BEGAN 10-24-84  
DATE FINISHED 10-24-84  
GROUND SURFACE EL 98.93'

BORING NO. H-7-F  
N 415 E 344

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

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
						10	30	50	
	1.0			CONCRETE SLAB UNDERLAID BY 1 COARSE OF BRICK	Concrete Slab Underlaid by 1 Coarse of Brick				CONCRETE CORED WITH AN 8" THIN WALLED BIT
	2.0			1.9'	1.9'				S-100 AND S-101 SAMPLED WITH A POST HOLE DIGGER
	2.5	S-100		FILL: BLACK, SANDY SILT, TRACE GRAVEL, BRICK AND ASH, MOIST	FILL: black medium to fine (+) SAND, and coarse to fine Silt, trace fine Gravel (Trace Brick and Ash)				WATER TABLE AT 34" WATER HAD AN OIL SHEEN
	3.0	S-101		2.5'	2.5'				S-102 THRU S-105 TAKEN WITH A 3' BUCKET AUGER
	3.0			FILL: DARK BROWN TO REDDISH BROWN, SILTY SAND AND GRAVEL, WET	FILL: dark brown to reddish brown medium to fine (+) SAND, and coarse to fine Silt, some (+) medium to fine Gravel				
95.0	4.0	S-103		4.0'	4.0'				
	4.0			FILL: BROWN, COARSE TO FINE SILTY SAND, TRACE GRAVEL, SATURATED	FILL: brown coarse to fine (+) SAND, and coarse to fine Silt, trace medium to fine (+) Gravel				
	5.0	S-104		5.0'	5.0'				
	5.0			FILL: BROWN, MEDIUM SAND, SOME SILT, TRACE GRAVEL AND GRAY CLAY NODULES, SATURATED	FILL: brown medium to fine SAND, some (-) coarse to fine Silt, trace medium to fine Gravel, (Trace Gray Clay Nodules)				
	6.0	S-105		6.0'	6.0'				
92.43	6.5			FILL: BROWN, MEDIUM SAND, SOME SILT, TRACE GRAVEL, SATURATED	FILL: brown medium to fine SAND, some (-) coarse to fine Silt, trace medium to fine Gravel				
				BOTTOM OF BORING AT 6.5'					HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

NOTES 8" PVC CASING SET FROM 0.0'-3.0' CASING SET BY DRIVING INTO FILL HOLE DRILLED BY HAND

Project No 846248

Boring No H-7-F  
Sheet 1 Of 1



SHALLOW BORING LOG

B-19

DATE BEGAN 10-11-84 BORING NO. H-7-H FIELD ENGINEER D.E.B.  
 DATE FINISHED 10-19-84 CHECKED BY D.E.B.  
 GROUND SURFACE EL 98.93' N 357.5 E 343

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	S C S D	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
				CONCRETE SLAB		Concrete Slab				CONCRETE CORED WITH 8" THIN WALLED BIT S-100 AND S-101 SAMPLED WITH A HAND TROWEL S-102 AND S-103 SAMPLED WITH A 3" BUCKET AUGER REFUSAL AT 3.3'
	1.0	S-100		FILL: LOOSE, BROWN, SAND, MOIST		FILL: brown coarse to fine SAND				
	2.0	S-101		CONCRETE SLAB		Concrete Slab				
	3.0	S-102		FILL: BLACK, SAND AND GRAVEL, SOME ASH, MOIST		FILL: black coarse to fine SAND, some (+) medium to fine (+) Gravel, (some (-) Ash)				
95.63	3.3	S-103								
				BOTTOM OF BORING AT 3.3'						RAILROAD TIE IN BOTTOM OF HOLE

NOTES  
 HOLE DRILLED BY HAND

Project No 846248

Boring No H-7-H  
 Sheet 1 Of 1



SHALLOW BORING LOG

B-20

DATE BEGAN 10-22-84 BORING NO. J-6-K FIELD ENGINEER D.E.B./C.L.J.  
 DATE FINISHED 10-22-84 GROUND SURFACE EL 102.27 N 394 E 260 CHECKED BY D.E.B.

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
						10	30	50	
	1.0			CONCRETE SLAB	Concrete Slab				CONCRETE CORED WITH 8" THIN WALLED BIT S-100 AND S-101 TAKEN WITH POST HOLE DIGGER S-102 THRU S-105 TAKEN WITH A 3" BUCKET AUGER HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING
		S-100							
100.0	2.0	S-101			FILL: dark brown coarse to fine (+) SAND, and coarse Silt, little (+) medium to fine (+) Gravel				
	3.0	S-102							
	4.0	S-103		FILL: DARK BROWN, SILTY SAND, SOME GRAVEL, MOIST					
	5.0	S-104							
	6.0	S-105		FILL: DARK BROWN, SILTY SAND, SOME GRAVEL, WET					
95.97	6.3								
				BOTTOM OF BORING AT 6.3'					

NOTES 6" PVC CASING SET FROM 0.0'-2.3'  
 CASING SET WITH QUICK DRYING HYDRAULIC CEMENT HOLE DRILLED BY HAND

Project No 846248

Boring No J-6-K  
Sheet 1 Of 1

BORING LOGLEGEND 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		Water depth at specified time after drilling
ATD - At time of drilling		Water entry depth at time of drilling
AD - After drilling		
DWL - Drill water loss		
DWR - Drill water return		

# BORING LOG

B-22

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 4

PROJECT NO. 13C121-39

B-1

PROJECT LOCATION Newark, New Jersey

DATE 9-27-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 98.7' ELEVATION DATUM Site Datum

WATER ENTERS E1.95.2'  
ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0	T	-	-	Very loose to loose, brown, poorly graded, fine Sandy	Brown coarse to fine SAND, some(+) coarse to fine Gravel. Fill: brick fragments and wood	Boring advanced with trowel (T) and 12" O.D. HSA
	S	2/6	6	FILL with brick rubble, wood and glass		
	S	10/12	7/6	Becoming moist	Brown coarse to fine SAND, little Silt, some(-) medium to fine Gravel. Fill.	
	S	11/18	4/4	Becoming silty, saturated	Brown coarse to fine SAND, some(+) Silt, little(-) Gravel. Fill: glass	← Water detected ATD
	S	6/18	3/4	Becoming gravelly, medium dense, with rock fragments	Brown SILT some(-), coarse to fine Sand, little (-) Gravel. Fill: rock fragments	
5	S	11/18	17/12/15	Gravel and rubble content increasing, with black oily residue	Brown to dark gray SILT and medium to fine Sand. Fill: rock fragments	
	S	17/18	7/24/19	Becoming dense	Dark brown medium to fine SAND, some(-) Silt, trace Gravel. Fill: oily residue, large rock fragments	
	S	14/18	9/12/14	Becoming loose with some very loose zones	Black medium to fine GRAVEL and, medium to fine Sand, some(+) Silt. Fill: oily, contains glass and brick fragments	
10	S	12/18	50/30/14			
	S	10/18	21/16/30			Note: Sample 109 composited from 13.0' to 14.5'
	S	11/18	*/6			*Sampler advanced 12" under weight of hammer
15	S	18/18	3/3/3	Loose, dark gray, slightly clayey, organic, low plastic SILT with thin sand lenses	Dark gray organic clayey SILT little(-), medium to fine Sand in thin lenses. Low plasticity.	
	U	6/18	P		Dark gray coarse to fine SAND, and Silt, little fine Gravel. Tan cinders.	Wet Borehole collapsed 1/2 ft. to 18.5 ft. during grouting; installed 4" dia. PVC casing to 18.5 ft. and grouted to surface.
	U	4/24	P			
20				Loose, dark gray to black, poorly graded, fine grained, SAND with silt		Boring cont. with 2 3/4" tricone roller bit and bentonite mud slurry



# BORING LOG

B-23

PROJECT NAME 80 LISTER AVENUE

SHEET 2 OF 4

PROJECT NO. 13C121-39

B-1

PROJECT LOCATION Newark, New Jersey

DATE 9-27-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 98.7' ELEVATION DATUM Site Datum

WATER ENTERS E1.95.2'

ATD

DEPTH	SAMPLE			U.S.C.	DESCRIPTION	BURMISTER	SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESST				
20	S	10 18	5 7 6	SAME: Medium loose, dark gray to black, poorly graded, fine grained SAND with silt	Dark gray to black fine SAND, and Clayey Silt. Slightly plastic		Wet
	S	12 18	6 5 9	With organic silt material	Gray to dark gray organic SILT & CLAY some, very fine Sand. Low plasticity		Moist
				Becoming loose			
25	S	12 18	1 2 5		Gray organic SILT & CLAY trace, fine Sand. Low plasticity		Wet
					Brown fine SAND, and Silt		
30	S	16 18	7 9 13	Becoming medium dense and gray brown	Gray brown fine SAND, some Silt		Wet
35	S	12 18	9 12 13	With fine gravel	Gray brown medium to fine (+) SAND, some(+) Silt, trace Gravel		Wet
40				Becoming dense, black, mottled with red-brown silt	Black (mottled with red brown) fine GRAVEL and, fine SAND, some Silt.		Wet

# BORING LOG

B-24

PROJECT NAME 80 LISTER AVENUE

SHEET 3 OF 4

PROJECT NO. 13C121-39

B-1

PROJECT LOCATION Newark, New Jersey

DATE 9-27-84

RIG CME-55

LOGGED BY Moore/Barton DRILLED BY Maleck

WATER ENTERS E1.95.2' ATD

SURFACE ELEVATION 98.7' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
40	S	$\frac{12}{18}$	15 16 21	SAME: Dense, black mottled with red-brown, fine grained SAND with fine gravel and silt	SAME: Black (mottled red brown) fine GRAVEL and, fine SAND, some Silt.	Wet
45	S	$\frac{15}{18}$	6 7 6	Becoming medium dense, dark brown to brown, with gravel content increasing	Dark brown to brown fine GRAVEL and, coarse medium (+) to fine Sand, trace(+) Silt	Wet
50	S	$\frac{16}{18}$	25 30 25	Becoming very dense, brown, poorly grained and fine grained	Brown fine SAND, little(-) Silt with light brown lenses	Wet
55	S	$\frac{15}{18}$	13 9 13	Becoming medium dense	Brown fine SAND, trace(-) Silt	Wet
60						

# BORING LOG

B-25

PROJECT NAME 80 LISTER AVENUE

SHEET 4 OF 4

PROJECT NO. 13C121-39

B-1

PROJECT LOCATION Newark, New Jersey

DATE 9-27-84

RIG CME-55

LOGGED BY Moore/Barton DRILLED BY Maleck

WATER ENTERS E1.95.2' ATD

SURFACE ELEVATION 98.7' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESST	U.S.C.	BURMISTER	
60	S	18/18	23	Very dense, brown, low plastic SILT with trace of fine sand and gravel	Brown fine SAND, little(-) Silt with light brown lenses	Wet
			30			
			32		Brown SILT & CLAY little (-), coarse(+) to fine Sand, trace(+) fine Gravel. Low Plasticity	Wet
65	S	18/18	12	Medium dense, brown, poorly graded, fine grained SAND with trace of silt	Brown fine SAND, trace(-) Silt, with brown to gray Silt and Clay seams	Wet
			10			
			12			
70	S	16/18	19	Very dense, brown, poorly graded, Sandy GRAVEL with some silt	Dark brown fine GRAVEL and, coarse to fine(+) Sand, some(-) Silt.	Wet
			26			
			31			
75	S	18/18	28	Very dense, brown, low plastic SILT with trace of fine sand	Brown SILT fine Sand	Moist to Wet
			63			
			90			
80	S	18/18	24	Brown fine SAND, some(-) Silt in fragment pockets and lenses	Brown fine SAND, some(-) Silt in fragment pockets and lenses	Wet
			50			
			56			Bottom of boring 81.5'

# BORING LOG

B-26

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 13C121-39

**B-2**

PROJECT LOCATION Newark, New Jersey

DATE 9-25-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 98.9' ELEVATION DATUM Site Datum

WATER ENTERS E1.94.9' ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESST	U.S.C.	BURMISTER	
0	T	--	-			Boring advanced with trowel (T) and 12" O.D. HSA  *Refusal at 4.0' due to large brick fragment ← Water detected ATD
	S	6/6	15	Loose to medium dense, gray-brown, poorly graded, Sandy, Silty FILL with metal, wood, glass	Gray brown coarse to fine GRAVEL and, coarse to fine Sand, and trace(-) Silt. Fill: metal, wood, and pipe	
	S	7/12	8 15	Becoming medium dense and brown with brick, glass and rubble	Dark brown coarse to fine SAND, trace Silt, some coarse to fine Gravel. Fill: brick	
	S	4/18	6 5 5		Brown coarse to fine SAND, some(-) Silt, some medium to fine Gravel. Fill: brick fragments.	
	S	4/6	28*		Brown coarse to fine SAND, some(-) Silt, some medium to fine Gravel. Fill: brick fragments.	
5	S	3/18	6 5 5	Becoming loose to medium dense, silt content increasing, with ballast, wood and brick fragments	Brown coarse to fine SAND, some(+) Silt, medium to fine Gravel. Fill: brick fragments	
	S	6/18	4 4 4	Becoming loose	Dark gray SILT trace, coarse to fine Sand, trace medium to fine Gravel. Fill.	
	S	7/18	7 14 19	Becoming dense	Brown coarse to fine SAND, trace(+) Silt, some coarse to fine Gravel. Fill: brick fragments	
10	S	7/18	23 50 25	Becoming very dense and gravelly	Dark gray coarse to fine SAND, trace(-) Silt, some Gravel. Fill: ballast	Augered through 6" wood at 10.5'
	S	4/18	12 17 27	Becoming dark gray and sandy		
	S	13/18	5 3 3	Becoming dense	Dark gray coarse to fine SAND, and Silt. Fill: chunks of coal	
	S	9/18	4 3 2	Becoming loose		Note: Sample 109 composited from 13.5' to 15.2'
15	S	11/18	3 3 2	Loose, dark gray, organic, low plastic Clayey SILT with thin lenses of medium grained sand	Dark green SILT some(-), medium to fine Sand, lenses of Sand	
					Gray soft SILT little(+), medium to fine Sand; decreasing Sand content with depth	Bottom of boring 17.0'
20						Boring was grouted from bottom to surface following sampling.

# BORING LOG

B-27

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 4

PROJECT NO. 13C121-39

DATE 9-28-84

RIG CME-55

WATER ENTERS EL. 93.1 ATD

B-3

PROJECT LOCATION Newark, New Jersey

LOGGED BY Moore/Barton DRILLED BY Maleck

SURFACE ELEVATION 97.3' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0	T	--	-	Very loose to loose, gravelly, poorly graded, Sand FILL with some silt and ballast	Brown coarse to fine SAND, some Silt, some coarse to fine Gravel. Fill: ballast	Boring advanced with trowel (T) and 12" O.D. HSA
	S	5/6	5			
	S	9/12	70/16			
	S	7/18	4/3/4			
5	S	9/18	3/9/8	Becoming loose, saturated, gravelly Becoming medium dense	Reddish brown coarse to fine SAND, trace(+) Silt, some(-) fine Gravel. Fill: glass	Note: 0 elevation is 7" below ground surface. 7" of concrete present. ← Water detected ATD
	S	14/18	3/3/2	Becoming loose and sandy	Brown coarse to fine SAND, little Silt. Fill	
10	S	14/18	12/22/15	Becoming dense with trace of gravel and rock fragments (ballast)	Brown coarse to fine SAND, some(+) coarse Gravel. Fill: ballast	Note: Sample 109 taken from 7.0' to 8.5'
	S	18/18	6/1/1	Soft, brown to gray, low plastic Organic SILT with trace of roots, becoming saturated	Brown to gray organic SILT with roots	
	U	6/24	P	Becoming sandy and silty with trace of clay	Dark gray to brown coarse to fine(+) SAND, and organic Clayey Silt with fibers.	Wet
	U	4/12	P	With clay content increasing	Gray organic SILT & CLAY trace, fine Sand	Wet
15					Brown fine GRAVEL and, fine Sand, and Silt.	Wet
	S	6/18	38/16/15	Becoming dense, with gravel content increasing and sand/clay content decreasing	Brown to dark brown fine SAND, and Clayey Silt.	Moist Wet
	S	12/18	3/4/4	Loose, brown to dark brown, Silty SAND with trace of clay	Brown to dark brown fine SAND, and Clayey Silt, occasionally in gray seams.	Boring cont. with 3 3/4" tricone roller bit
20	S	18/18	4/5/6	Becoming medium dense, with clay and sand content decreasing and grain size increasing		
					Brown medium to fine(+) SAND, some Silt.	Wet

# BORING LOG

B-28

PROJECT NAME 80 LISTER AVENUE

SHEET 2 OF 4

PROJECT NO. 13C121-39

DATE 9-28-84

RIG CME-55

WATER ENTERS E1.93.1' ATD

**B-3**

PROJECT LOCATION Newark, New Jersey

LOGGED BY Moore/Barton DRILLED BY Maleck

SURFACE ELEVATION 97.3' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
20	S	16 18	6 8 12	SAME: Medium dense, brown to dark brown, Silty SAND with trace of clay	SAME: Brown medium to fine (+) SAND, some Silt.	Wet
25	S	0. 18	8 9 8	Becoming loose, gray to black, silt content increasing, sand content decreasing	Dark gray to black fine SAND, and Silt.	Wet
30	S	14 18	3 4 5	Becoming medium dense	Black fine SAND, and Silt.	Moist to Wet
35	S	13 18	10 6 15		Black coarse to fine(+) SAND, some Silt, little fine Gravel. Shale fragments	
40					Red brown fine SAND, little Silt, trace fine Gravel.	Wet

# BORING LOG

B-29

PROJECT NAME 80 LISTER AVENUE

SHEET 3 OF 4

PROJECT NO. 13C121-39

B-3

PROJECT LOCATION Newark, New Jersey

DATE 9-28-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 97.3' ELEVATION DATUM Site Datum

WATER ENTERS E1.93.1' ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	TEST	U.S.C.	BURMISTER	
40	S	12 18	10	SAME: Medium dense, red-brown, poorly grained, fine grained, SAND with some silt	SAME: Red brown fine SAND, little Silt, trace fine Gravel.	Wet
			8			
			12	Becoming red brown with trace of silt and fine gravel		
45	S	14 18	7			
			8			
			9			
50	S	16 18	9			
			12			
			14			
55	S	13 18	7	Becoming brown with thin silt seams	Brown to red brown fine SAND, little Silt, in thin seams	Wet
			9			
			15	Soft, red-brown, low plastic SILT with some clay and trace of fine sand	Red brown SILT & CLAY trace, coarse to fine Sand in infrequent pockets.	
60						

# BORING LOG

B-30

PROJECT NAME 80 LISTER AVENUE

SHEET 4 OF 4

PROJECT NO. 13C121-39

B-3

PROJECT LOCATION Newark, New Jersey

DATE 9-28-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 97.3' ELEVATION DATUM Site Datum

WATER ENTERS E1.93.1' ATD

DEPTH	SAMPLE			U.S.C.	DESCRIPTION	BURMISTER	SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST				
60	S	13/18	2 2 4	'SAME: Soft, red-brown, low plastic SILT with some clay and trace fine sand	SAME: Red brown SILT and CLA' trace, coarse to fine Sand in infrequent pockets.		Wet
65	S	17/18	10 5 12	Becoming medium dense	Brown fine(+) to medium SAND, little Silt.		Wet
70	S	18/18	9 11 12		Brown fine SAND, trace Silt.		Wet
75	S	13/18	50 70 43	Very dense, red-brown, coarse to fine grained, poorly graded GRAVEL with some silt and weathered shale fragments  Gravel content decreasing	Red brown medium to fine GRAVEL and, coarse to fine Sand, some Silt. Weathered shale fragments		Wet
80	S	18/18	14 22 32	Becoming silty, grain size decreasing	Red brown SILT trace, mica fine Sand, trace Shale fragments (gravel size).		Moist Bottom of boring 81.5'



# BORING LOG

B-31

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 13C121-39

B-4

PROJECT LOCATION Newark, New Jersey

DATE 9-20-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 97.6' ELEVATION DATUM Site Datum

WATER ENTERS E1.95.1'

ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	TEST	U.S.C.	BURMISTER	
0	T	-	--			Boring advanced with trowel (T) and 12" OD HSA  ← Water detected ATD  Note: Sample 109 taken from 5.0' to 6.5'  Boring cont. with 3 3/4" tricone roller bit and water Note: No recovery after 2 attempts
	S	4/6	16	Medium dense, gray, poorly graded, Gravel FILL with some silt and oil film	Gray coarse GRAVEL some, Silt. Fill: Gravel with oil film	
	S	4/12	60	Becoming very dense, with trace of sand and rubble	Gray coarse GRAVEL some, coarse to fine Sand. Fill: Gravel with oil film	
	S	6/18	6	Becoming loose to medium dense	Black coarse to fine SAND, trace(+) Silt, trace(+) coarse to fine Gravel. Fill: Wood fragments	
	S	12/18	2	Becoming very loose to loose, with wood fragments		
5						
	S	12/18	2	Becoming loose, black to dark gray with ashes, porcelain and glass		
	S	18/18	1	Very loose, brown, low plastic Organic SILT with some peat	Black to dark gray medium to coarse SAND, some(-) Silt. Fill: Ashes, porcelain, and glass	
	U	0/24	P			
10						
	U	24/24	P	Becoming brown to gray with roots and stems	Brown to gray organic SILT with roots and stems	
	U	22/24	P			
15						
	U	20/24	P			
				Loose to medium dense, gray, poorly graded, Silty SAND	Gray coarse to fine SAND, little(-) Gravel.	Bottom of boring 16.0' Boring was grouted from bottom to surface following sampling operation.
20						

# BORING LOG

B-32

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 13C121-39

B-5

PROJECT LOCATION Newark, New Jersey

DATE 9-17-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

WATER ENTERS El. 95.9' ATD

SURFACE ELEVATION 98.9' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION	SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST.		
0	T	-	-	Loose to medium dense, brown Sand FILL with silt	Boring advanced with trowel (T) and 12" OD HSA
	S	6/6	11		
	S	3/12	7/14	Becoming medium dense, with ashes, cinders and organic material	Dark brown coarse to fine SAND, little coarse to fine Gravel. Fill: Ashes, cinders, organic debris, brick fragments, wood fragments.
	S	9/18	6/5/6	With wood fragments	
	S	8/18	10/20/20	Becoming dense with gravel	Dark brown coarse to fine SAND, little coarse to fine Gravel. Fill: Organic material, wood and roots, metal.
	S	8/18	10/20/20		
5	S	8/18	20/10/12	Becoming medium dense with metal and roots	Water detected ATD
	S	9/18	2/3/3	Becoming loose	
	S	12/18	2/1/1	Very loose, brown, low plastic Organic SILT	Note: Sample 109 composited from 6.5' to 8.2'
	S	12/18	2/1/1		
10	U	24/24	P	Becoming dark brown to gray, organic content decreasing	Boring advanced with 3 3/4" tri-cone roller bit and water Note: No sample 9.5'-10.7' due to grout in boring
	U	24/24	P	Becoming dark gray	
15	U*	5/24	P		Dark gray SILT trace(+), fine Sand.
	U	24/24	P	Becoming reddish-gray with intermittent lenses of sand	
	S	7/12	4/5	Loose, reddish-gray, poorly graded Silty SAND	*Sample disturbed
	S	7/12	4/5		
20				Reddish gray coarse to fine SAND, and Silt. Intermittent stringers of Sand or Silt	Boring grouted from bottom to surface following sampling operation. Bottom of boring 19.7'

# BORING LOG

B-33

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 13C121-39

B-6

PROJECT LOCATION Newark, New Jersey

DATE 9-13-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 98.9' ELEVATION DATUM Site Datum

WATER ENTERS E1.96.5' ATD

DEPTH	SAMPLE			DESCRIPTION	SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESST		
0	T	-	---	U.S.C Dense, brown, poorly graded, Sand FILL with gravel Becoming black and silty With glass, brick fragments, wood and roots	BURMISTER Brown fine SAND, and Silt, little(-) medium to fine Gravel. Black coarse to fine SAND, trace Silt, little coarse to fine Gravel. Fill: glass fragments, brick fragments, organic material, wood, roots, etc..
	S	3/6	34		
	S	11/12	40/41		
	S	18/18	9/17		
	S	10/18	16/20		
5	S	6/18	10/6/3	Becoming loose, with trace of clay	← Water detected ATD  WC > PL Note: Sample 109 composited from 6.2' to 7.7' Note: Split spoon driven in silt to confirm. Boring cont. with 3 3/4" tricone roller bit and water
	S	16/18	3/3/3		
	S	6/12	2/1	Very loose, brown, low plastic, very organic SILT	
10	U	24/24	P	Organic matter decreasing	Brown SILT and, Peat.  Brown SILT, changing to gray SILT at lower depths
	U	24/24	P	Becoming gray, silt content increasing	
	U	24/24	P	Becoming brown	
15	U	24/24	P	Becoming gray, with trace of clay	Boring grouted to surface following sampling operation.  Bottom of boring 18.5'
	S	6/18	2/4/4	Becoming sandy, with sand lenses	
20				Loose, dark gray, fine grained SAND with silt	Dark gray SAND, trace(+) Silt, with lenses of Sand and Silt.

# BORING LOG

B-34

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 13C121-39

**B-7**

PROJECT LOCATION Newark, New Jersey

DATE 9-19-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

WATER ENTERS E1.96.0' ATD

SURFACE ELEVATION 98.4' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION	SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST.		
0	T	--	-	U.S.C.	BURMISTER
	S	4/6	10	Loose to medium dense, brown, poorly graded Sand	Brown SAND, some Organic material concentrated in upper 2". Fill: brick fragments
	S	8/12	6	FILL with brick fragments	
	S	11/18	7	Becoming black, wet, with wood and gravel	Black coarse to fine SAND, some Silt, little(-) medium to fine Gravel. Fill: organic material such as timber fragments.
	S	2/18	3	Becoming loose, with silt and organic matter	
	S	6/18	2	Becoming very loose to loose with silt content increasing	Dark gray SILT trace organic material.
5	S	16/24	1	Becoming loose with glass, gravel content increasing	Dark gray SILT some, coarse to fine Gravel. Fill: glass.
	S	14/24	2		
	S	12/24	3		
	S	24/24	1		
	S	6/24	<1		
10	U	14/24	P	Loose to very loose, brown, low plastic Organic SILT with trace of clay	Brown organic SILT and Peat
	U	12/24	P	With roots; clay content increasing	Brown to gray organic SILT little(+), organic material.
	U	24/24	P		
	U	24/24	P	Becoming dark gray	Dark gray organic SILT trace(+), organic material.
15	U	6/24	P		Dark gray organic SILT little, medium to fine Sand.
	U	24/24	P		
	S	6/12	3	Loose, dark gray, fine grained, poorly graded SAND with silt	Light gray coarse to fine SAND, some(-) Silt.
20					

← Water detected ATD

Note: Sample 109 taken from 6.5' to 8.5'

Boring cont. with 3 3/4" tricone roller bit

Boring grouted from bottom to surface following sampling operation.

Bottom of boring 19.7'

# BORING LOG

B-35

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 13C121-39

B-8

PROJECT LOCATION Newark, New Jersey

DATE 9-22-84

LOGGED BY Moore/Barton DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 97.7' ELEVATION DATUM Site Datum

WATER ENTERS E1.95.2' ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0	T	-	--	Loose to medium dense, gray, poorly graded, Sand, Silt, and Gravel FILL	Gray coarse to medium GRAVEL. Fill: ballast, oil film	Boring advanced with trowel (T) and 12" OD HSA
	S	1/6	16	With oil residue	Black to dark gray coarse to fine SAND, trace(-) Silt. Fill: wood fragments	
	S	7/12	16/60	Becoming red-brown with silt content decreasing		Note: Pond water at surface ← Water detected ATD
	S	14/18	10/6	Becoming very loose to loose with wood fragment		
	S	16/18	3/2/2			
5	S	12/18	4/2/3	Becoming loose, black, with ashes, porcelain and glass	Black medium to coarse SAND, some Silt. Fill: ashes, porcelain, and glass	Note: Sample 109 composited from 5.0' to 7.0'
	S	18/18	1/1	Very loose, brown, low plastic, Organic SILT	Brown organic SILT and, Peat.	Boring cont. with 3 3/4" tricone roller bit and water
	U	7/24	P			
10	U	24/24	P	Becoming brown to gray	Brown to gray organic SILT some, organic material.	
	U	24/24	P			
15	U	24/24	P	Very loose, gray, fine to medium grained, poorly graded SAND with trace gravel	Gray coarse to fine SAND, little(-) coarse to medium Gravel.	
	U	24/24	P			
20						Bottom of boring 18.0' Boring was grouted from bottom to surface following sampling operation.

# BORING LOG

B-36

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 4

PROJECT NO. 13C121-39

B-9

PROJECT LOCATION Newark, New Jersey

DATE 10/5-11/84

LOGGED BY T. Onyeagoro DRILLED BY Maleck

RIG CME-55

WATER ENTERS E1.95' ATD

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0	T	6/6	-		Dark brown to black fine SAND, and Silt, little coarse Gravel. Fill: cinders and misc. debris	Boring advanced with trowel (T) and 12" OD HSA
	S	4/6	7		Loose, dark brown to black (mottled with gray) Silty, Sandy, FILL with gravel, tr. cinders and misc. debris	
	S	10/12	7/3		Becoming moist	Moist
	S	11/18	7/3		Becoming wet, medium dense	
	S	3/18	7/3		Becoming loose, dark brown, gravel content increasing	← Water detected ATD
5	S	16/18	1/1		Becoming very loose, gravel content decreasing, silt content increasing, with shells	Wet
	S	7/18	5/4		Becoming loose, silt content decreasing, sand content increasing	
	S	18/18	*WH/18"		Very soft, brown, silty, fibrous, PEAT with tr. sand	*Sampler fell 18" with weight of 140 pound hammer
10	U	3/24	P		With trace of dark gray, silty clay	Stopped 10-5-84 Started 10-10-84
	U	0/24	P			Boring cont. with 3 3/4" tricone roller bit and water
15	U	4/24	P		Very loose, dark gray, Clayey SILT, with trace peat and coarse grained sand	No recovery 12'-14'
	U	3/24	P		With trace shells	Wet
	U	16/24	P			Note: drilled through add't. 0.5' to avoid disturbed zone.
20						

# BORING LOG

B-37

SHEET 2 OF 4  
 PROJECT NO. 13C121-39  
 DATE 10-10-84  
 RIG CME-55  
 WATER ENTERS E1.95' ATD

PROJECT NAME 80 LISTER AVENUE

B-9

PROJECT LOCATION Newark, New Jersey

LOGGED BY T. Onyeagoro DRILLED BY Maleck

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
20						
	S	11 18	3 5 5	Loose to medium dense, gray fine to medium grained, Silty SAND with trace gravel and coarse sand	Gray medium to fine(+) SAND, and Silt.	
				Becoming medium dense	Gray brown medium to fine (+) SAND, and Silt, some fine Gravel.	Wet
	S	18 18	7 10 19			Wet
25				Becoming loose to medium dense, black to dark brown, with trace clayey silt in seams	Black to dark brown fine SAND, and Silt. Clayey Silt in frequent seams.	
	S	18 18	2 3 7			Wet
30				Becoming medium dense	Black medium to fine(+) SAND, and Silt.	
	S	12 18	7 9 10			Wet
35				Becoming very dense, brown, with gravel	Brown coarse(+) to fine SAND, some Silt, and medium to fine(+) Gravel	
	S	12 18	21 65 35			Gravel is composed of shale Wet
40				Becoming dense	Brown fine SAND, little(-) Silt.	
	S					Wet

# BORING LOG

B-38

PROJECT NAME 80 LISTER AVENUE

SHEET 3 OF 4

PROJECT NO. 13C121-39

B-9

PROJECT LOCATION Newark, New Jersey

DATE 10-10-84

LOGGED BY T. Onyeagoro DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

WATER ENTERS E1.95' ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST.	U.S.C.	BURMISTER	
40	S	$\frac{13}{24}$	$\frac{9}{13}$ $\frac{12}{12}$	SAME: Dense, brown, fine grained, Silty SAND with gravel	SAME: Brown fine SAND, little(-) Silt.	Wet
45	S	$\frac{13}{18}$	$\frac{9}{10}$ $\frac{9}{9}$	Becoming medium dense, red brown to brown, clay and silt content increasing	Red brown to brown Clayey SILT and, coarse to medium (+) Sand, trace(-) medium Gravel.	Wet
50	S	$\frac{13}{18}$	$\frac{9}{13}$ $\frac{13}{13}$	Becoming brown, gravel, clay and silt content decreasing	Brown fine SAND, trace(-) Silt.	Wet
55	S	$\frac{16}{18}$	$\frac{8}{11}$ $\frac{17}{17}$		Brown fine SAND, trace(+) Silt.	Wet
60					Brown fine SAND, some(-) Silt.	Wet



# BORING LOG

B-39

SHEET 4 OF 4

PROJECT NAME 80 LISTER AVENUE

PROJECT NO. 13C121-39

DATE 10-11-84

RIG CME-55

WATER ENTERS E1.95' ATD

B-9

PROJECT LOCATION Newark, New Jersey

LOGGED BY T. Onyeagoro DRILLED BY Maleck

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
60	S	16 18	11 16 19	SAME: Medium dense, brown, Silty SAND	SAME: Brown fine SAND, some(-) Silt.	Wet
65	S	18 18	15 22 30	Dense to very dense, red-brown, low plastic SILT with trace coarse to medium gravel sand	Red brown Clayey SILT trace(+), coarse(+) to medium Sand. Slight Plasticity	Wet
70	S	13 18	24 33 41	Becoming very dense	Brown to red brown clayey SILT trace(-), coarse to medium(+) Sand. Slight Plasticity.	Wet
75	S	13 18	12 13 15	Becoming medium dense	Brown Clayey SILT. Slight Plasticity	Wet
80	s	17/18	12/25	Becoming very dense with with occasional seams of hard, brown, silty clay	Red brown Clayey SILT trace(-), medium Sand. Silty Clay in occasional seams.	Wet Bottom of boring 81.5'

# BORING LOG

B-40

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 2

PROJECT NO. 13C121-39

B-10

PROJECT LOCATION Newark, New Jersey

DATE 10/15-16/84

LOGGED BY T. Onyeagoro DRILLED BY Maleck

RIG CME-55

WATER ENTERS E1.94' ATD

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C	BURMISTER	
0	T	6/6	-		Brown fine GRAVEL and, coarse to fine(+) Sand, some Clayey Silt. Fill.	Boring advanced with trowel (T) and 12" OD HSA Drilled through 2" asphalt prior to sampling Moist Water detected ATD Wet
	S	5/6	18		Brown and gray fine GRAVEL and, coarse to fine Sand, and Clayey Silt. Fill.	
	S	5/12	12	16	Becoming brown to black, cinders with sand, gravel content decreasing	
	S	9/18	4	4	Becoming very loose	
	S	18/18	1	2	Sand content increasing	
5	S	12/18	0	1	Soft, black to dark gray, organic Clayey Silt FILL, with some fine sand, and trace wood fragments	Wet
	S	6/18	1	1	Very loose, black, Silty Sand FILL with some clayey silt and cinders	
	S	9/18	0	10	Becoming medium dense, black to brown with trace gravel	
	S	5/18	16	12	Becoming dense, with some shale fragments	
10	S	6/18	15	13	Dense, dk.brown, med. Sandy Gravel FILL with some silt	Wet PVC casing installed to 13.0' and boring grouted to surface. Boring cont. with 3 3/4" tricone roller bit through PVC casing.
	S		1	1	Soft, gray, organic Silty CLAY with trace shell fragments in occasional thin partings	
	S		1	1		
15	U	23/24	P		Gray organic Silty CLAY trace(+), medium to fine(+) Sand, trace(+) cement grout fragments, trace(-) shells	Stopped 10-15-84 Started 10-16-84 Wet Sample extruded and retained in glass jar.
	U	3/24	P		With trace plant fibers (peat) and wood fragments	
	U	24/24	P		Gray organic Silty CLAY trace(+), very fibrous peat. Wood fragments	
20	U				Gray organic Silty CLAY trace(+), fine Sand, trace(+) Peat. Shell fragments	Wet
	U					

# BORING LOG

B-41

PROJECT NAME 80 LISTER AVENUE

SHEET 2 OF 2

PROJECT NO. 13C121-39

B-10

PROJECT LOCATION Newark, New Jersey

DATE 10-16-84

LOGGED BY T. Onyeagoro DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

WATER ENTERS E1.94' ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
20	U	15 24	P	SAME: Soft, gray, organic Silty CLAY with trace fine sand	Gray organic Silty CLAY trace(+), fine Sand.	
	S	18 18	1 6 6	Loose, dark gray, fine grained Silty SAND, with trace of clay and plant fibers Becoming medium dense	Dark gray, fine SAND, and Clayey Silt. Vegetation fibers Dark gray to brown fine SAND, and Silt.	Wet
25						Bottom of boring 23.5'
30						Boring was grouted from bottom to surface following sampling operation.
35						
40						

# BORING LOG

B-42

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 2

B-11

PROJECT LOCATION Newark, New Jersey

PROJECT NO. 13C121-39

LOGGED BY T. Onyeagoro DRILLED BY Maleck

DATE 10-17/18-84

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

RIG CME-55

WATER ENTERS E1.95.5' ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0	T	6/6	-	Loose, dk.brown, fine to medium Sandy Gravel FILL with some silt and misc. debris	Dark brown medium(+) to fine GRAVEL and, coarse to fine (+) Sand, some Silt. Fill: Gravel with misc. debris	Boring advanced with trowel (T) and 12" OD HSA Drilled through 3" of asphalt prior to sampling ← Water detected ATD Wet
	S	4/6	49			
	S	7/12	4	Medium dense, dark brown, Silty Sand FILL with some gravel and trace clay and cinders Gravel content decreasing	Dark brown coarse to fine(+) SAND, and Clayey silt, trace(-) medium(+) to fine Gravel. Fill.	
	S	18/18	9			
	S	7/18	18	Becoming black to gray-brown	Black to gray brown coarse to fine(+) SAND, and silt, trace(-) fine Gravel. Fill: Cinders, concrete, misc. debris	
	S	18/18	12			
5	S	18/18	1	Loose, black to dk.gray, organic, Silty Sand FILL with trace roots, gravel, and misc. debris	Black to dark gray coarse to fine(+) SAND and CINDERS, some(+) organic clayey silt, trace(-) coarse Gravel. Fill: misc. debris	PVC casing installed and boring grouted to surface. Boring cont. on 10-18-84 with 3 3/4" tricone roller bit
	S	14/18	2			
	S	18/18	3	Soft, dark gray, organic PEAT with some dark gray, silty clay and trace wood fragments Becoming brown	Dark gray organic Silty CLAY some(+), Peat with wood fragments	
S	18/18	4				
10	U/S	5/24	P	Soft, dark gray, organic PEAT with some dark gray, silty clay and trace wood fragments Becoming brown	Brown PEAT some, gray organic Silty Clay.	Lost sample from Shelby tube, re-covered with split spoon  Wet
	U	24/24	P			
	U	12/24	P	With trace shell fragments	Gray organic Silty CLAY and, Peat with shell fragments.	
	U	24/24	P			
15	U	12/24	P	Soft, gray, organic Silty CLAY with trace plant fibers	Gray organic Silty CLAY and, mica.fine Sand, and Peat.	
	U	24/24	P			
	U	24/24	P	Loose, dark gray, poorly graded, fine Silty SAND		
U	24/24	P				
20						

# BORING LOG

B-43

PROJECT NAME 80 LISTER AVENUE

SHEET 2 OF 2

PROJECT NO. 13C121-39

B-11

PROJECT LOCATION Newark, New Jersey

DATE 10-18-84

RIG CME-55

LOGGED BY T. Onyeagoro DRILLED BY Maleck

WATER ENTERS E1.95.5' ATD

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
20	S	8 12	P	SAME: Loose, dark gray, poorly graded, fine Silty SAND with some silt	Dark gray fine SAND, and Silt  Dark gray to brown medium to fine(+) SAND, some(-) Silt.	Spoon sample pushed to define stratum change. Sample not saved.  Bottom of boring 21.5'  Boring was grouted from bottom to surface following sampling operations.
25						
30						
35						
40						

# BORING LOG

B-44

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 13C121-39

B-12

PROJECT LOCATION Newark, New Jersey

DATE 10-17-84

LOGGED BY T. Onyeagoro DRILLED BY Maleck

RIG CME-55

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

WATER ENTERS E1.95' ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0	T	6/6	-	Loose, dk. brown, fine Sandy Gravel FILL with some silt and trace bricks, cinders, and misc. debris	Dark brown fine GRAVEL and (-), coarse to fine (+) Sand, little (+) Silt. Fill: bricks, cinders, and misc debris	Boring advanced with trowel (T) and 12" OD HSA. Drilled through 3" of asphalt and base prior to sampling. Moist ← Water detected ATD Moist to wet Wet Overdrilled from 6.5' to 7.4' Wet Bottom of boring 10.5' A Piezometer was installed in boring to a depth of 8.2'. Refer to Piez. Log 12 for details.
	S	3/6	3	Loose, dk. brown, well graded, Sand FILL with some silt, trace bricks becoming med. dense and silty with some gravel at 1.0	Dark brown coarse to fine (+) SAND, some (-) Silt. Fill: bricks	
	S	6/12	6	Loose, black to gray fine sandy Gravel FILL with some silt, tr. bricks, and misc. debris	Black to dark brown coarse to fine (+) Sand, and Silt, some (-) medium (+) to fine Gravel. Fill.	
	S	16/18	1	Very loose, black, well graded, Silty Sand FILL with trace fine gravel and cinders	Black to gray fine GRAVEL and, coarse to fine (+) Sand, some Silt. Fill: bricks and mics. debris	
	S	10/18	1	Very loose, black, well graded, Silty Sand FILL with trace fine gravel and cinders	Black coarse medium (+) to fine SAND, and Silt, trace (-) fine Gravel, trace (-) Cinders. Fill	
5	S	4/18	1	Becoming loose to medium dense	Black coarse to fine (+) SAND, and Silt, trace (-) fine Gravel, trace (-) Cinders. Fill	
	S	18/18	2	Becoming very loose	Black medium to fine (+) SAND, some Silt, some Cinders, trace (-) fine Gravel. Fill: misc. debris	
	S	18/18	3	Becoming very loose	Black fine SAND, and Silt. Fill: bricks	
10			1	Soft, dark gray, PEAT with some silty clay, and trace wood fragments	Dark gray organic Silty Clayey PEAT, trace (+) wood	
15						
20						

# BORING LOG

B-45

SHEET 1 OF 1  
 PROJECT NO. 13C121-39  
 DATE 10-19-84  
 RIG CME-55  
 WATER ENTERS E1.95' ATD

PROJECT NAME 80 LISTER AVENUE

B-13

PROJECT LOCATION Newark, New Jersey

LOGGED BY T. Onyeagoro DRILLED BY Maleck

SURFACE ELEVATION 98' ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0				FILL: Sand, Silt, Gravel, Bricks and misc. debris	Black to brown medium to fine(+) SAND, and Silt. Fill: gravel, bricks, and misc. debris	Boring advanced with 12" diameter HSA  Boring augered to 8.0' prior to sampling. Material description from drill cuttings only.
5						
	S	10/18	1/1	Very loose, black to brown poorly graded, medium to fine Silty Sand FILL		Wet
10	S	16/18	3/23/40	Becoming very dense, brown to dark gray with trace fine gravel	Brown to dark gray fine SAND, and Silt, trace(+) fine Gravel. Fill.	Wet Note: Sample 109 taken from 11.0' to 12.5'
	S	6/18	10/18/11	Becoming dense	Dark brown coarse(+) to fine SAND, and Silt, trace(+) coarse Gravel.	Wet
	S	14/18	2/2/1	Soft, gray, organic, Silty CLAY with trace plant fibers and shell fragments	Gray organic Silty CLAY. Vegetation fibers, Shell fragments.	Wet
15						Bottom of boring 14.0' Boring was grouted from bottom to surface following sampling operation.
20						

# BORING LOG

B-46

PROJECT NAME 80 LISTER AVENUE

SHEET 1 OF 2

PROJECT NO. 13C121-60

B-14

PROJECT LOCATION Newark, New Jersey

DATE 11-16-84

LOGGED BY Moore/Onyeagoro DRILLED BY Jaworski

RIG CME-55

WATER ENTERS E1.96.2' ATD

SURFACE ELEVATION 99.7'

ELEVATION DATUM Site Datum

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
0	T	--	---			Boring advanced with trowel (T) and 12" OD HSA
	S	6/6	12	Loose, dark brown, silty Sand FILL with gravel, cinders and roots	Dark brown coarse to fine Silt, and some(-) medium to fine(+) Gravel. Fill: cinders, roots, and misc. debris	
	S	3/12	8	Becoming coarse grained with gravel	Coarse GRAVEL some(+), fine Sand, and Silt. Fill: misc. debris	Moist
	S	7/18	5	Gravel content decreasing, with bricks	Dark brown coarse to fine(+) Sand, and Silt, some(+) fine Gravel. Fill: cinders, brick fragments, misc. debris	Moist
	S	5/18	4		Dark to gray brown coarse to fine(+) SAND, and Silt, trace(-) fine Gravel. Fill: roots, misc. debris	Water detected ATD
	S	1/18	7	Becoming gray	Dark gray coarse(+) to fine SAND, and Silt. Fill: cinders, shells, misc. debris	
5	S	5/18	3	Becoming dark gray	Dark gray fine SAND, some (+) Silt, trace(-) fine Gravel. Fill.	With organic odor
	S	11/18	2			
	S	10/18	1			
	S	10/18	3			
10	S	10/18	7	Becoming fine grained	Dark gray fine SAND, some (-) Silt. Fill.	
	S	7/18	2	Soft, brown, fibrous PEAT	Brown fibrous PEAT, little (-) organic Silt.	
	U	24/24	P	Loose, brown, SILT with peat	Brown SILT little(-), Peat, trace grout chips.	
15	U	18/24	P	Becoming dark gray, with decreasing organic content	Dark gray SILT trace, Peat.	
	U	24/24	P			
20	U	24/24	P	Becoming sandy	Dark gray SILT trace, medium to fine(+) Sand. Roots, grass.	



# BORING LOG

B-47

SHEET 2 OF 2

PROJECT NO. 13C121-60

DATE 11-16-84

RIG CME-55

WATER ENTERS E1.96.2' ATD

PROJECT NAME 80 LISTER AVENUE

B-14

PROJECT LOCATION Newark, New Jersey

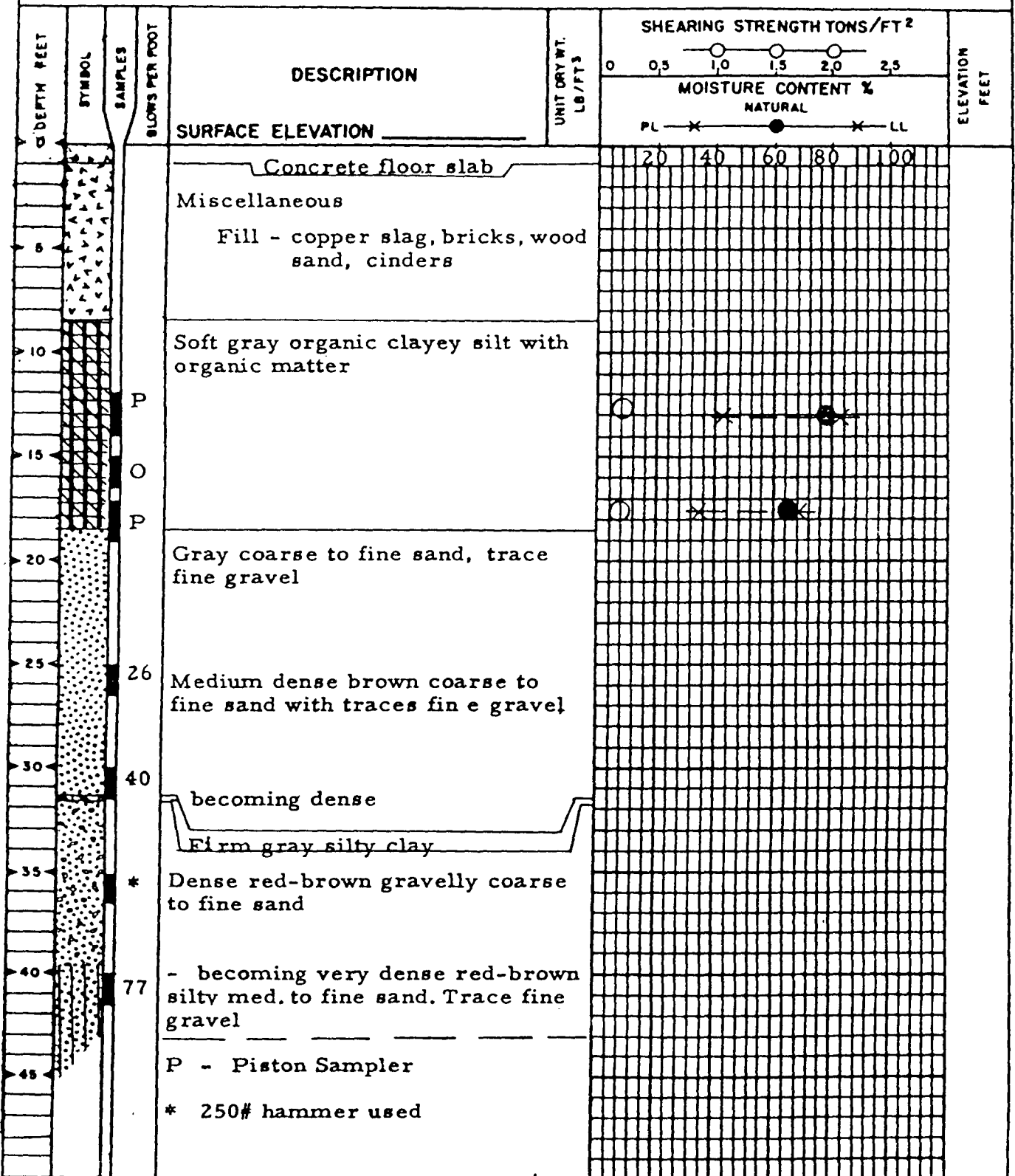
LOGGED BY Moore/Onyeagoro DRILLED BY Jaworski

SURFACE ELEVATION 99.7' ELEVATION DATUM Site Datum

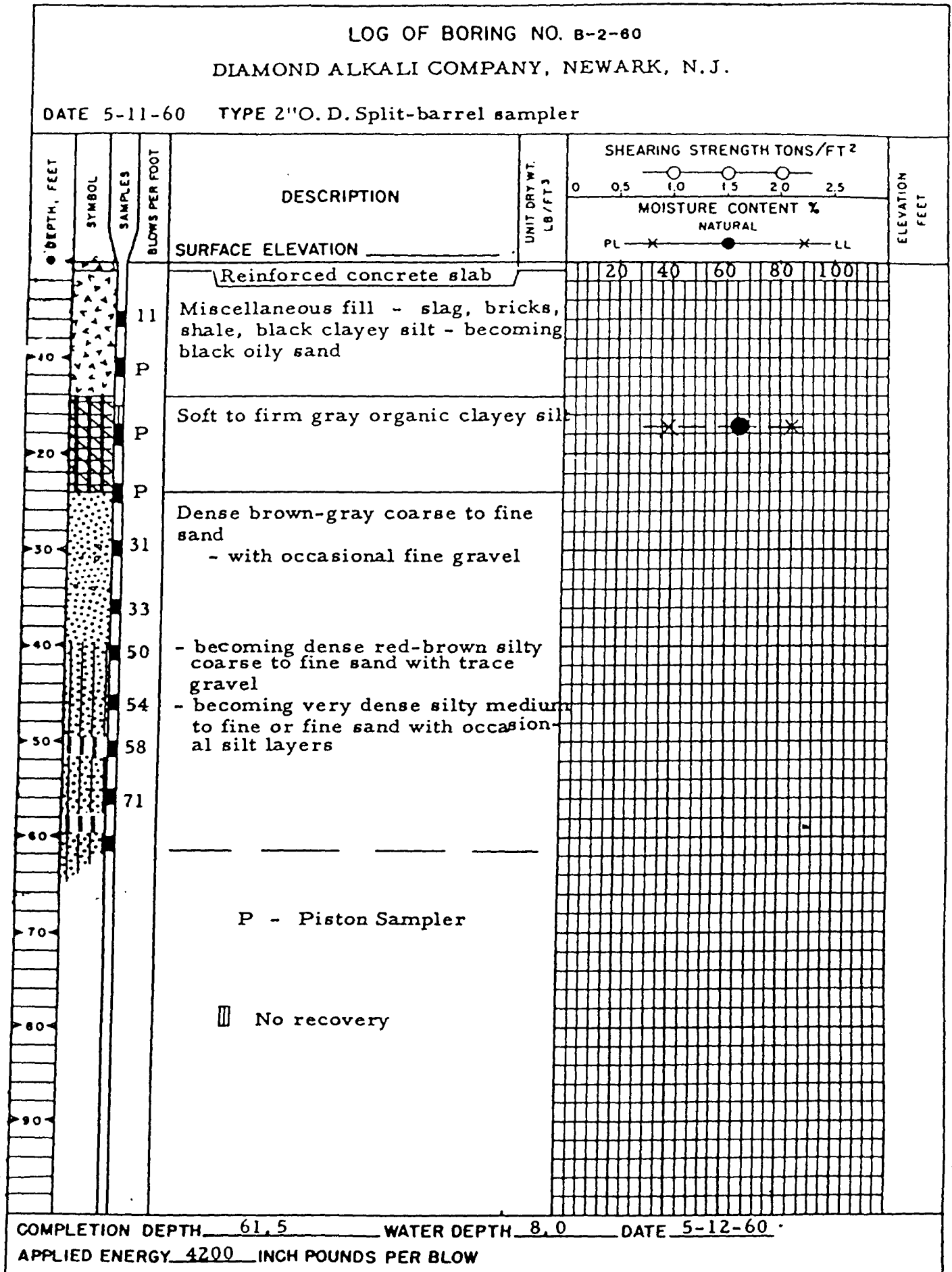
DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
20					Loose, dark gray, SILT with trace of sand	Dark gray SILT trace, coarse to fine Sand.
	U	$\frac{24}{24}$	P		Loose to medium dense, red-gray, SAND with silt	Red gray SAND, trace(-) Silt.
	S	$\frac{6}{18}$	$\frac{3}{3}$ 7		Becoming red-brown	Gray red to red brown coarse to fine SAND, trace Silt.
25	S	$\frac{10}{18}$	$\frac{8}{8}$			Red brown medium to fine SAND, trace Silt
	S	$\frac{8}{18}$	$\frac{25}{23}$ 31		Dense to very dense, white, green and brown, poorly graded GRAVEL with trace of sand and silt	White green brown medium to fine GRAVEL trace, medium to fine Sand, trace Silt.
30					Dense, red-brown, fine SAND with silt	Red brown fine SAND, and Silt.
	S	$\frac{3}{18}$	$\frac{13}{23}$ 25			Red brown fine SAND, some Silt.
35						Bottom of boring 34.0'
						Well installation at 34.0'
40						

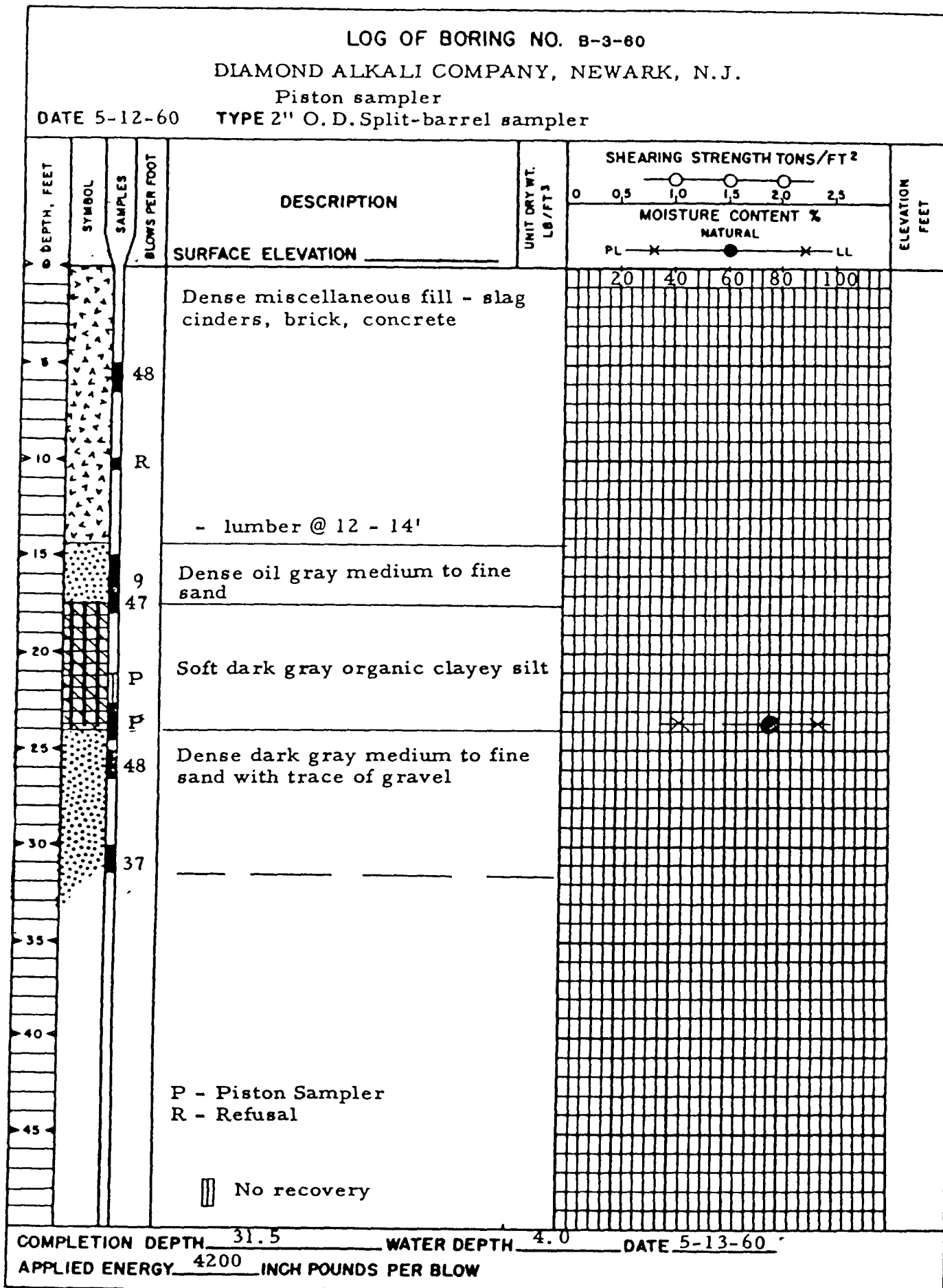
LOG OF BORING NO. B-1-60  
DIAMOND ALKALI COMPANY, NEWARK, N.J.

Piston sampler  
DATE 5-13-60 TYPE 2" O. D. Split barrel sampler



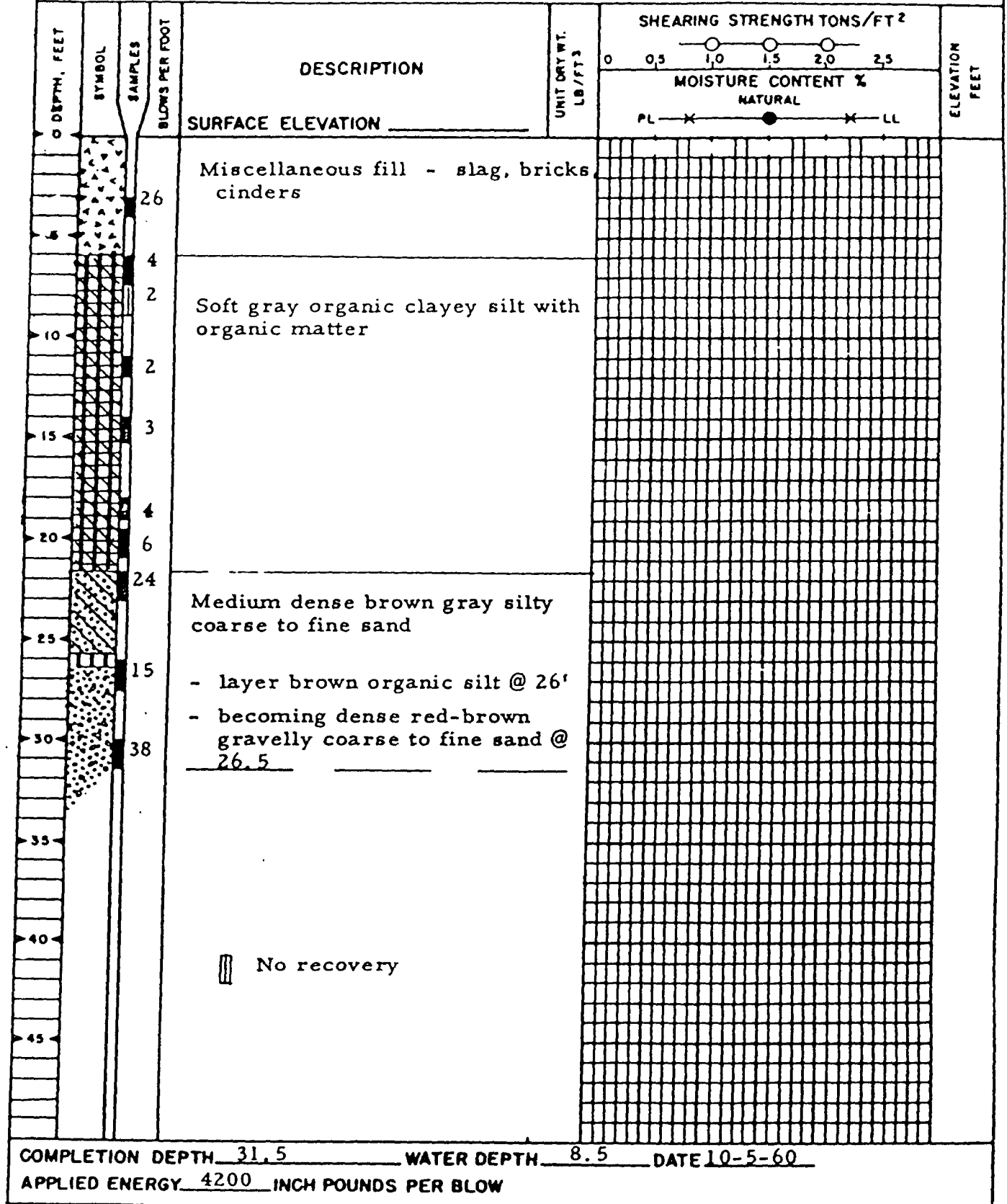
COMPLETION DEPTH 41.5' WATER DEPTH 10.0 DATE 5-13-60  
APPLIED ENERGY 4200 INCH POUNDS PER BLOW





LOG OF BORING NO. B-4-60  
DIAMOND ALKALI COMPANY, NEWARK, N. J.

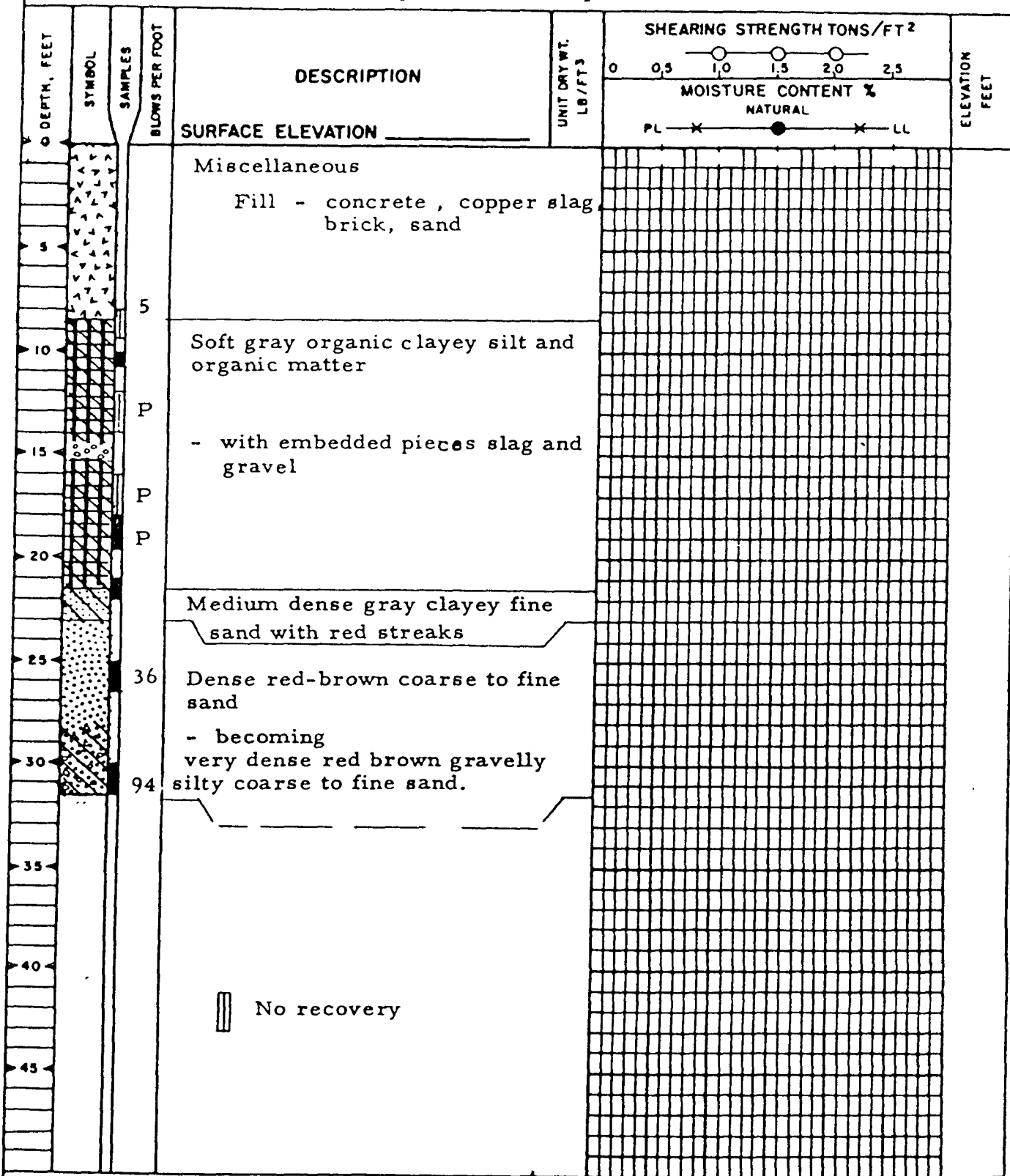
DATE 5-6-60 TYPE 2" O. D. Split-barrel sampler



COMPLETION DEPTH 31.5 WATER DEPTH 8.5 DATE 10-5-60  
APPLIED ENERGY 4200 INCH POUNDS PER BLOW

LOG OF BORING NO. B-5-60  
DIAMOND ALKALI COMPANY, NEWARK, N.J.

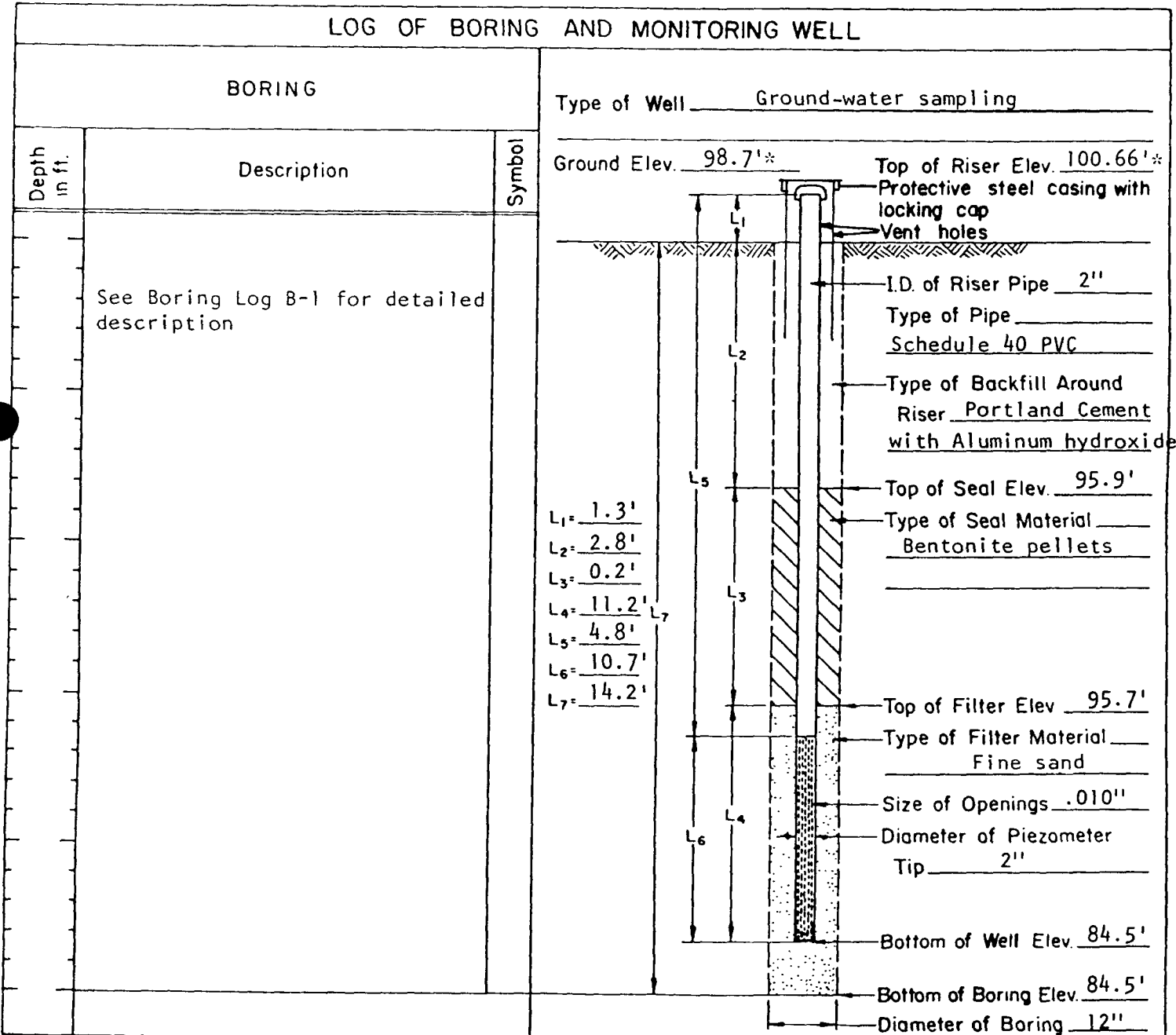
DATE 10-5-60 TYPE 2"O.D. Split-barrel sampler



COMPLETION DEPTH 31.5' WATER DEPTH 4.5' DATE 5-11-60  
APPLIED ENERGY 4200 INCH POUNDS PER BLOW

# MONITORING WELL INSTALLATION REPORT

Project 80 LISTER AVENUE Monitoring Well No. MW-1A  
 Location Newark, New Jersey  
 Project No 13C121-39 Installed By Empire Soils Date 9-27-84 Time 16:15  
 Method of Installation CME 55 with 12" diameter HSA



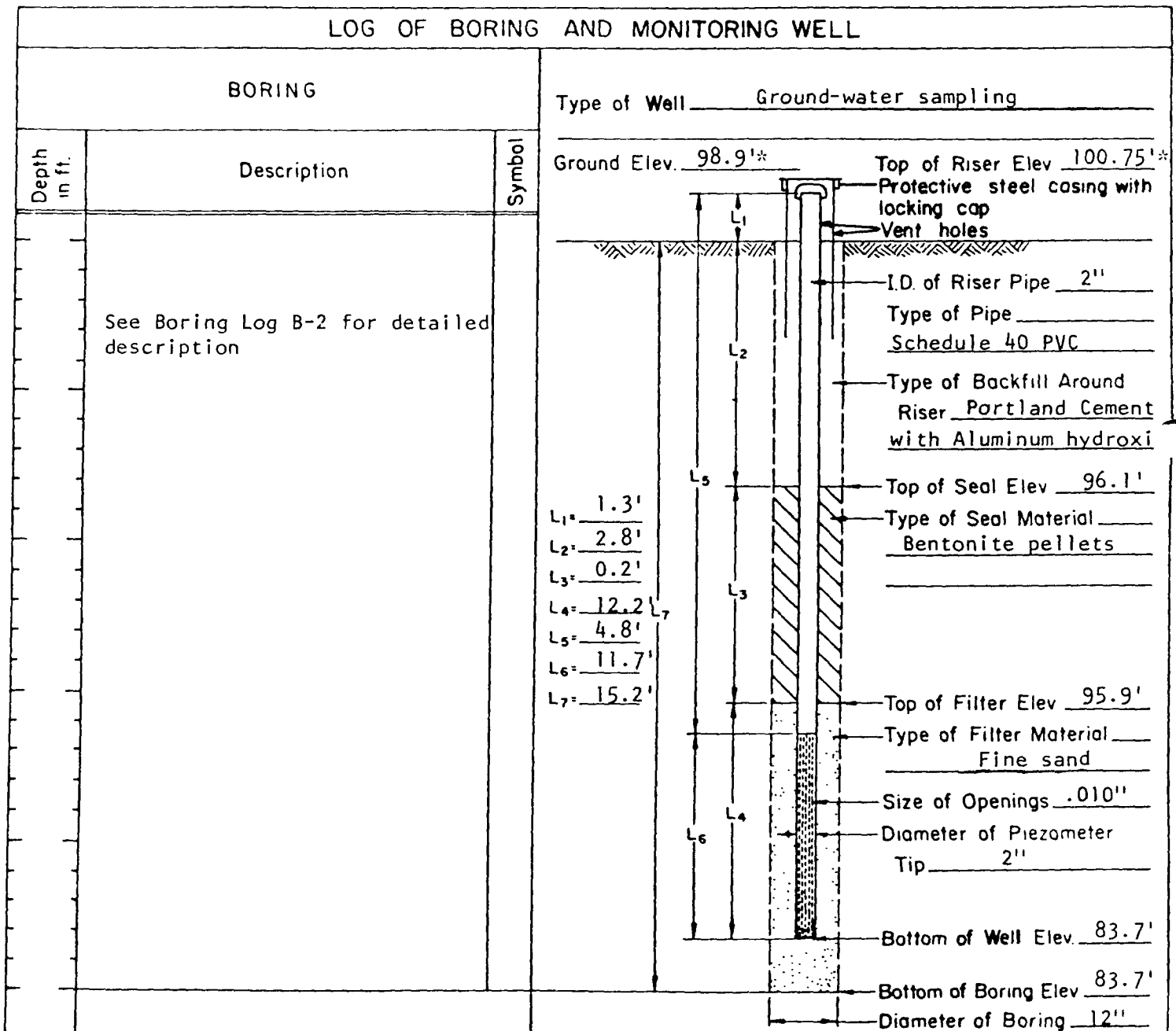
Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x 1.5'x.25' protective cement collar was poured around protective steel casing. Ground water elevation during high tide is approximately 94.5'. Material used: 3 bags cement and 3 bags sand.

\*Elevations from Site Datum

# MONITORING WELL INSTALLATION REPORT

B-54

Project 80 LISTER AVENUE Monitoring Well No. MW-2A  
 Location Newark, New Jersey  
 Project No 13C121-39 Installed By Empire Soils Date 9-26-84 Time 11:00  
 Method of Installation CME 55 with 12" diameter HSA



Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x1.1' protective cement collar was poured around protective steel casing. Ground water elevation at 94.9'.  
Materials used: 5 bags cement, 4 bags sand.

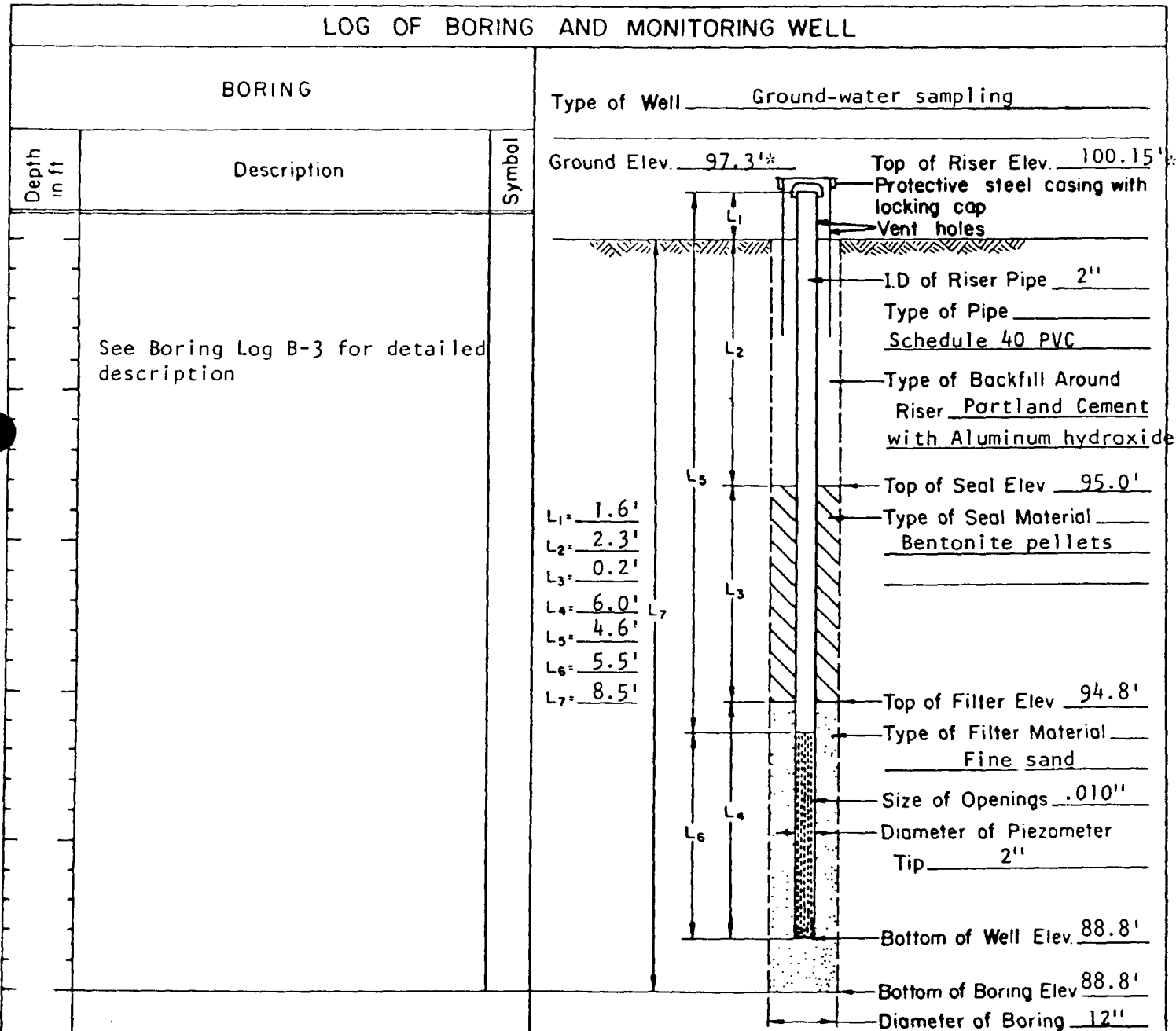
\*Elevations from Site Datum



# MONITORING WELL INSTALLATION REPORT

B-55

Project 80 LISTER AVENUE Monitoring Well No. MW-3A  
 Location Newark, New Jersey  
 Project No 13C121-39 Installed By Empire Soils Date 10-1-84 Time \_\_\_\_\_  
 Method of Installation CME 55 with 12" diameter HSA



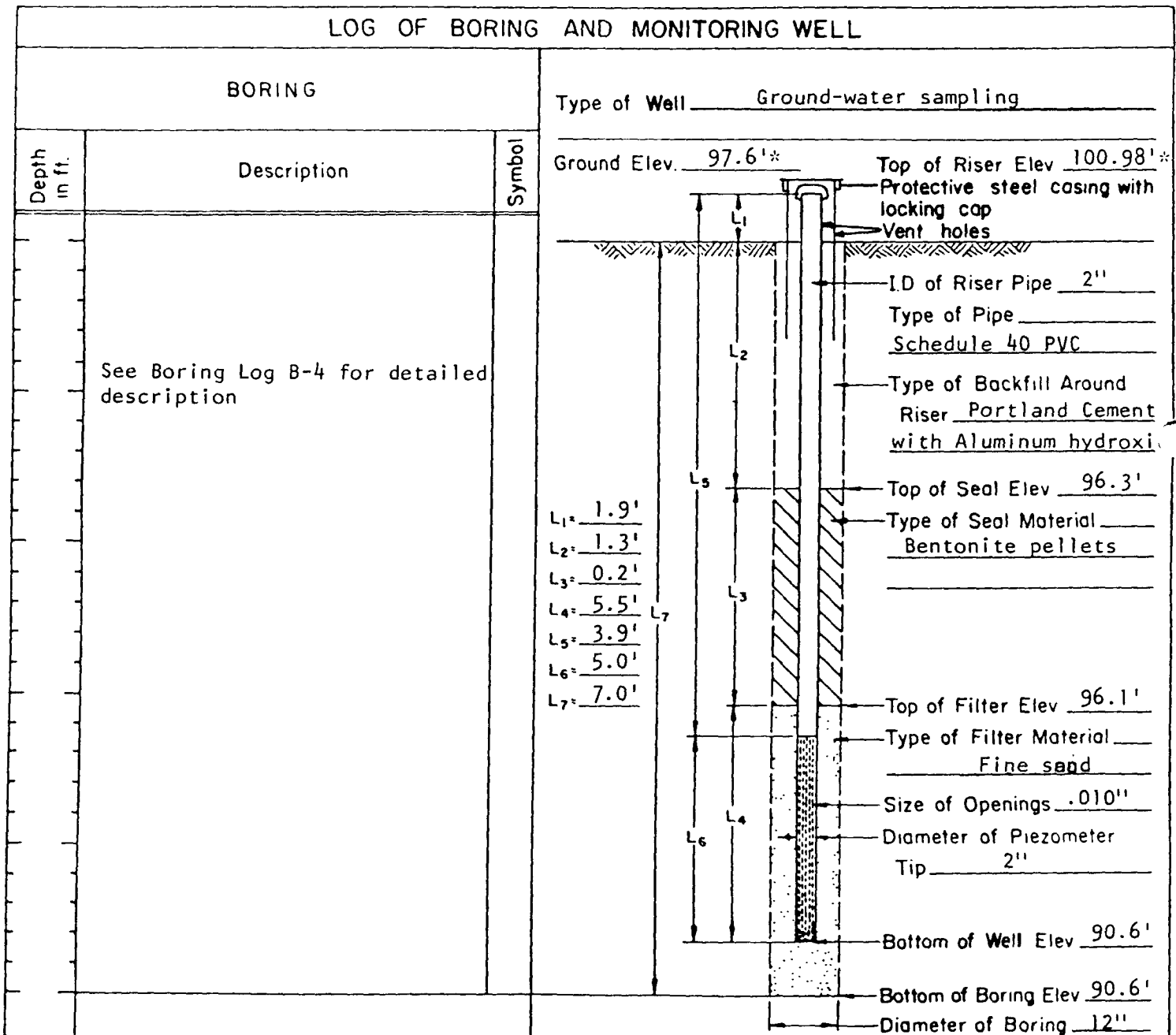
Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x0.8' protective cement collar was poured around protective steel casing. Ground water elevation at 93.8'

\*Elevations from Site Datum

# MONITORING WELL INSTALLATION REPORT

B-56

Project 80 LISTER AVENUE Monitoring Well No. MW-4A  
 Location Newark, New Jersey  
 Project No 13C121-39 Installed By Empire Soils Date 9-21-84 Time \_\_\_\_\_  
 Method of Installation CME 55 with 12" diameter HSA



Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x.3' protective cement collar was poured around protective steel casing. Ground water elevation at 95.1'.

\*Elevations from Site Datum

# MONITORING WELL INSTALLATION REPORT

B-57

Project 80 LISTER AVENUE Monitoring Well No. MW-5A  
 Location Newark, New Jersey  
 Project No 13C121-39 Installed By Empire Soils Date 9-17-84 Time \_\_\_\_\_  
 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>98.9'*</u>	Top of Riser Elev. <u>101.91'*</u>
	See Boring Log B-5 for detailed description			
			$L_1 = 1.5'$ $L_2 = 2.3'$ $L_3 = 0.2'$ $L_4 = 6.0'$ $L_5 = 4.5'$ $L_6 = 5.5'$ $L_7 = 8.5'$	Protective steel casing with locking cap Vent holes ID of Riser Pipe <u>2"</u> Type of Pipe <u>Schedule 40 PVC</u> Type of Backfill Around Riser <u>Portland Cement with Aluminum hydroxide</u> Top of Seal Elev <u>96.6'</u> Type of Seal Material <u>Bentonite pellets</u> Top of Filter Elev <u>96.4'</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>90.4'</u> Bottom of Boring Elev <u>90.4'</u> Diameter of Boring <u>12"</u>

Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x1' protective cement collar was poured around protective steel casing. Ground water elevation at 94.5'. Materials used: 6 bags cement, 2.75 bags sand.

\*Elevations from Site Datum

# MONITORING WELL INSTALLATION REPORT

Project 80 LISTER AVENUE Monitoring Well No. MW-6A  
 Location Newark, New Jersey  
 Project No 13C121-39 Installed By Empire Soils Date 9-13-84 Time \_\_\_\_\_  
 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>98.9'*</u> Top of Riser Elev <u>101.85'</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 with Aluminum hydroxide</u> Top of Seal Elev <u>97.7'</u> Type of Seal Material _____ <u>Bentonite pellets</u> Top of Filter Elev <u>97.5'</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>91.0'</u> Bottom of Boring Elev <u>91.0'</u> Diameter of Boring <u>12"</u>	
See Boring Log B-6 for detailed description			L <sub>1</sub> = <u>2.1'</u> L <sub>2</sub> = <u>1.2'</u> L <sub>3</sub> = <u>0.2'</u> L <sub>4</sub> = <u>6.5'</u> L <sub>5</sub> = <u>4.0'</u> L <sub>6</sub> = <u>6.0'</u> L <sub>7</sub> = <u>7.9'</u>	

Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x1' protective cement collar was poured around protective steel casing. Ground water elevation at 96.5'. Materials used: 6 bags cement, 2.25 bags sand.

\*Elevations from Site Datum

# MONITORING WELL INSTALLATION REPORT

B-59

Project 80 LISTER AVENUE Monitoring Well No. MW-7A  
 Location Newark, New Jersey  
 Project No. 13C121-39 Installed By Empire Soils Date 9-19-84 Time \_\_\_\_\_  
 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	
	See Boring Log B-7 for detailed description		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Ground Elev. <u>98.4'*</u></p> <p><math>L_1 = 1.9'</math></p> <p><math>L_2 = 1.3'</math></p> <p><math>L_3 = 0.2'</math></p> <p><math>L_4 = 6.7'</math></p> <p><math>L_5 = 3.9'</math></p> <p><math>L_6 = 6.2'</math></p> <p><math>L_7 = 8.2'</math></p> </div> <div style="width: 50%;"> <p>Top of Riser Elev <u>101.91'*</u></p> <p>Protective steel casing with locking cap</p> <p>Vent holes</p> <p>I.D. of Riser Pipe <u>2"</u></p> <p>Type of Pipe <u>Schedule 40 PVC</u></p> <p>Type of Backfill Around Riser <u>Portland Cement with Aluminum hydroxide</u></p> <p>Top of Seal Elev <u>97.1'</u></p> <p>Type of Seal Material <u>Bentonite pellets</u></p> <p>Top of Filter Elev <u>96.9'</u></p> <p>Type of Filter Material <u>Fine sand</u></p> <p>Size of Openings <u>.010"</u></p> <p>Diameter of Piezometer Tip <u>2"</u></p> <p>Bottom of Well Elev <u>90.2'</u></p> <p>Bottom of Boring Elev <u>90.2'</u></p> <p>Diameter of Boring <u>12"</u></p> </div> </div>

Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x1.1' protective cement collar was poured around protective steel casing. Ground water elevation at 97.5'

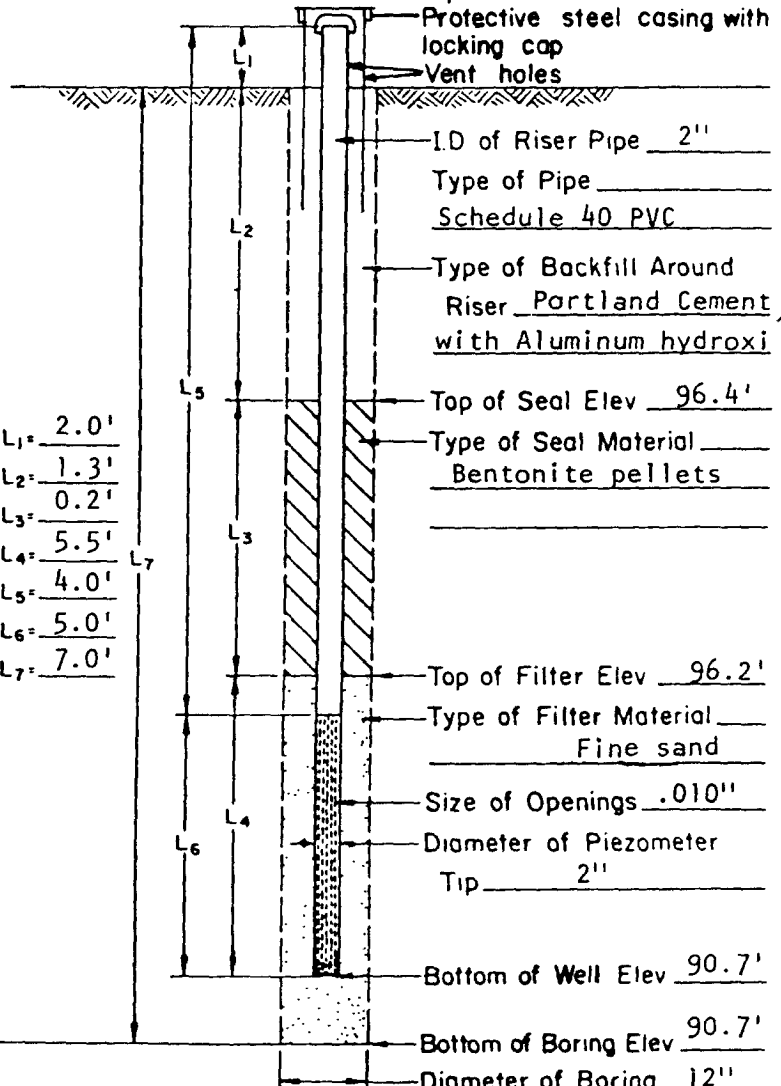
\*Elevations from Site Datum

# MONITORING WELL INSTALLATION REPORT

B-60

Project 80 LISTER AVENUE Monitoring Well No. MW-8A  
 Location Newark, New Jersey  
 Project No 13C121-39 Installed By Empire Soils Date 9-22-84 Time \_\_\_\_\_  
 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>97.7'*</u> Top of Riser Elev <u>100.53'*</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 with Aluminum hydroxi</u> Top of Seal Elev <u>96.4'</u> Type of Seal Material <u>Bentonite pellets</u> Top of Filter Elev <u>96.2'</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>90.7'</u> Bottom of Boring Elev <u>90.7'</u> Diameter of Boring <u>12"</u>
See Boring Log B-8 for detailed description			 <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p>                             L<sub>1</sub> = <u>2.0'</u>                              L<sub>2</sub> = <u>1.3'</u>                              L<sub>3</sub> = <u>0.2'</u>                              L<sub>4</sub> = <u>5.5'</u>                              L<sub>5</sub> = <u>4.0'</u>                              L<sub>6</sub> = <u>5.0'</u>                              L<sub>7</sub> = <u>7.0'</u> </p> </div> <div style="width: 50%;"> <p>                             Type of Backfill Around Riser <u>Portland Cement with Aluminum hydroxi</u>                              Type of Seal Material <u>Bentonite pellets</u>                              Type of Filter Material <u>Fine sand</u>                              Size of Openings <u>.010"</u>                              Diameter of Piezometer Tip <u>2"</u> </p> </div> </div>

Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x1.1' protective cement collar poured around protective steel casing. Ground water elevation at 95.2'.  
Materials used: 4 bags cement, 2 bags sand.

\*Elevations from Site Datum

# PIEZOMETER INSTALLATION REPORT

B-61

Project 80 LISTER AVENUE Piezometer No. MP-9A  
 Location Newark, New Jersey  
 Project No 13C121-39 Installed By Empire Soils Inv. Date 10-17-84 Time \_\_\_\_\_  
 Method of Installation CME-55 with 12" diameter HSA

LOG OF BORING AND PIEZOMETER		
BORING		PIEZOMETER
Depth in ft.	Description	Type of Piezometer <u>Ground-water elevation monitoring</u> Ground Elev. <u>98.0'</u> Top of Riser Elev <u>100.0'</u>
	See Boring Log B-12 for detailed description	<div style="margin-top: 10px;"> <p> <math>L_1 = 2.0'</math>  <math>L_2 = 2.3'</math>  <math>L_3 = 0.7'</math>  <math>L_4 = 5.2'</math>  <math>L_5 = 5.7'</math>  <math>L_6 = 4.5'</math>  <math>L_7 = 10.5'</math> </p> </div>
		Type of Backfill Around Riser <u>Portland Cement with Aluminum hydroxide</u> Top of Seal Elev. <u>95.7'</u> Type of Seal Material <u>Bentonite pellets</u> Top of Filter Elev. <u>95.0'</u> Type of Filter Material <u>Fine sand</u> Size of Openings <u>.010"</u> Diameter of Piezometer Tip <u>2"</u> Bottom of Piez. Elev. <u>89.8'</u> Bottom of Boring Elev. <u>87.5'</u> Diameter of Boring <u>12"</u>

Remarks Bottom of well screen sealed with unglued slip cap. Bottom of boring sealed with 1.0' of bentonite pellets. Ground water elevation at 93.8'.

\* Elevations from Site Datum

# MONITORING WELL INSTALLATION REPORT

Project 80 LISTER AVENUE Monitoring Well No. MW-10A  
 Location Newark, New Jersey  
 Project No. 13C121-60 Installed By Empire Soils Date 11-20-84 Time \_\_\_\_\_

Method of Installation \_\_\_\_\_

LOG OF BORING AND MONITORING WELL		
BORING		Type of Well <u>Ground-water sampling</u>
Depth in ft	Description	Symbol
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>See Boring Log B-14 for detailed description</p> </div> <div style="width: 50%;"> <p>Ground Elev. <u>99.7'</u></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p> <math>L_1 = 1.0'</math>  <math>L_2 = 4.8'</math>  <math>L_3 = 0.2'</math>  <math>L_4 = 7.0'</math>  <math>L_5 = 7.0'</math>  <math>L_6 = 6.0'</math>  <math>L_7 = 12.0'</math> </p> </div> <div style="width: 50%;"> <p>           Top of Riser Elev. _____            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 with Aluminum hydroxide</u>            Top of Seal Elev. <u>94.9'</u>            Type of Seal Material <u>Bentonite pellets</u>            Top of Filter Elev. <u>94.7'</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>87.7'</u>            Bottom of Boring Elev. <u>87.7'</u>            Diameter of Boring <u>8"</u> </p> </div> </div> </div> </div>		

Remarks Bottom of well screen sealed with unglued slip cap. Material used: 11 bags of cement and 3 bags of sand.



MONITORING WELL INSTALLATION REPORT

Project 80 LISTER AVENUE Monitoring Well No. MW-11B (intermediate)  
 Location Newark, New Jersey well  
 Project No 13C121-60 Installed By Empire Soils Date 11-21-84 Time \_\_\_\_\_  
 Method of Installation \_\_\_\_\_

LOG OF BORING AND MONITORING WELL		
BORING		Type of Well <u>Ground-water sampling</u>
Depth in ft.	Description	Symbol
	See Boring Log B-14 for detailed description	
		<p>Ground Elev <u>99.7'</u> Top of Riser Elev. _____                      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 with Aluminum hydroxide</u>                      Top of Seal Elev <u>76.2'</u>                      Type of Seal Material <u>Bentonite pellets</u>                      Top of Filter Elev <u>75.7'</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>65.7'</u>                      Bottom of Boring Elev <u>65.7'</u>                      Diameter of Boring <u>4"</u></p> <p> <math>L_1 = 1.0'</math>  <math>L_2 = 23.5'</math>  <math>L_3 = 0.5'</math>  <math>L_4 = 10.0'</math>  <math>L_5 = 24.5'</math>  <math>L_6 = 9.5'</math>  <math>L_7 = 34.0'</math> </p>

Remarks Grouting operation proved to be difficult so, between the depth of 7 feet and 1 foot below the surface, bentonite pellets were added to the cement to better seal and protect the well: depth was stopped short because of constant collapsing of the hole.

DEEP SEDIMENT SAMPLE DESCRIPTIONS  
 PASSAIC RIVER STATION 1-3-0  
 (Collected November 2, 1984)

SAMPLE NUMBER	SAMPLE DEPTH (in)	SAMPLE DESCRIPTION
300	0-40	(FILL) soft, black organic, sandy SILT, some cinders, trace shells, trace organic substance (wet)  <u>Note:</u> Only six inches recovered in tube - approximately four inches saved in sample bottle
299	40-46	(OL) soft, black organic, slightly plastic SILT, trace of fibers, trace of coarse sand and oily substance (wet)  <u>Note:</u> Two inches recovered in tube -a approximately one inch saved for sample
298	46-52	(OL) very soft, black organic, nonplastic SILT, trace to little medium to fine sand, trace cinders (wet)  <u>Note:</u> 3-1/2 inches recovered in tube. Approximately 2-1/2 inches saved in jar after stripping recovered sample off the outer portion
297	60-66	(OL) soft, black organic, nonplastic SILT, trace fine sand and fibers (wet)  <u>Note:</u> Full six inches recoverd in tube - approximately five inches saved for sample
296	66-72	(OL) soft, black organic, slightly plastic SILT, trace fine sand and fibers (wet)  <u>Note</u> Full six inches recovered in tube - approximately 4-1/2 inches saved for sample

APPENDIX  
C

APPENDIX C

APPENDIX C  
TABLE OF CONTENTS

	<u>PAGE</u>
FINAL DIOXIN RESULTS	C-1

## IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

80 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:40

PAGE 1

RESULTS	CLIENT #	SAM.DESC	SORT 2
ND (0.84) ng/wipe	F002-0015-W-L	Wipe Field Blank	840905
76. ng/meter <sup>2</sup>	1100-0016-W-L	Wipe-Office/Lab-Room 1100, Main Entrance	840905
38. ng/meter <sup>2</sup>	1102-0017-W-L	Wipe-Office/Lab-Rm. 1102, Accounting	840905
100. ng/meter <sup>2</sup>	1105-0018-W-L	Wipe-Office/Lab, Rm. 1105, FLOOR, Plant Mgr.	840905
480. ng/meter <sup>2</sup>	1108-0019-W-L	Wipe-Office/Lab-Rm 1108, Wall	840905
100. ng/meter <sup>2</sup>	1107-0020-W-L	Wipe-Office/Lab-Rm 1107, Floor	840905
500. ng/meter <sup>2</sup>	1106-0021-W-L	Wipe-Office/Lab-Rm. 1106, Floor-Back foyer inside door	840905
ND (4.8 ng/wipe)	T002-0022-W-L	Wipe-Trip Blank	840905
150. ng/meter <sup>2</sup>	1204-0023-W-L	Wipe-Office/Lab-Rm 1204, Floor by back door-Lab	840905
14,000. ng/meter <sup>2</sup>	1204-0024-W-L	Wipe-Office/Lab-Rm 1204, Lab Hood, Lab	840905
10. ng/meter <sup>2</sup>	1204-0025-W-L	Wipe-Office/Lab-Rm 1204, N side of entrance, lab side	840905
1000. ng/meter <sup>2</sup>	1204-0026-W-L	Wipe-Office/Lab-Rm 1204, Lab bench near back door	840905
350. ng/meter <sup>2</sup>	1206-0027-W-L	Wipe-Office/Lab-Rm 1206, Floor-Small Lab	840905
ND (0.003 ppb)	9300-0029-H-L	DI H2O Check (Fisher)	840905
1200. ng/meter <sup>2</sup>	1205-0030-W-L	Wipe-Off/Lab-Rm1205,A/C Intake Duct-Utility	840906
88. ng/meter <sup>2</sup>	1205-0031-W-L	Wipe-Off/Lab-Rm1205,Furnace Intake-Utility Rm	840906
56. ng/meter <sup>2</sup>	1201-0032-W-L	Wipe-Off/Lab-Rm1202,Floor-Lunchroom	840906
18. ng/meter <sup>2</sup>	1202-0033-W-L	Wipe-Off/Lab, Rm1202, Radiator-Lunchroom	840906
500. ng/meter <sup>2</sup>	1116-0034-W-L	Wipe-Off/Lab-Rm 1116, Locker Room	840906
120. ng/meter <sup>2</sup>	1122-0035-W-L	Wipe-Off/Lab-Rm1122, Heater Duct-Basket Room	840906
ND (0.24 ng/wipe)	F003-0036-W-L	Wipe-Field Blank	840906
ND (0.40 ng/wipe)	T003-0037-W-L	Wipe-Trip Blank	840906
12.1 ppb	0018-0045-D-L	Drum #18, CY, white & yellow crystals	840906
ND (0.06 ppb)	F005-0048-H-L	Water: Field Blank, Chip Sampling	840906
2.0 ppb	1118-0049-C-L	Chip-Off/Lab-Rm1118,Flr under Sinkedge-Washroom	840906
3.7 ppb	1119-0050-C-L	Chip-Off/Lab Rm 1119, Floor, Slop Sink	840906
25.0 ppb	1122-0051-C-L	Chip-Off/LabRm1122,Flr undr Arch Btm Rm1122 & 1116	840906
69.3 ppb	1122-0052-C-L	Chip-Off/Lab-Rm 1122,Flr near Drain, Basket Room	840906
61.2 ppb	1122-0053-C-L	Chip-Off/Lab-Rm1122,Flr near Backdoor-Basket Room	840906
12,200. ppb	0021-0064-D-L	Drum #21, CO, yellow crystal powders	840906
520. ng/meter <sup>2</sup>	1122-0073-W-L	Wipe-Office/Lab-Rm 1122, windowsill, Basket Rm	840907
1100. ng/meter <sup>2</sup>	1122-0074-W-L	Wipe-Office/Lab-Rm 1122, Flr near inside entrance	840907
8.0 ppb	0040-0091-D-L	Drum #40, 23AA, milky liquid	840907
1400. ng/meter <sup>2</sup>	1205-0095-W-L	Wipe-Off/Lab Rm1205,Heater Interior Inlet-Utility	840906
ND (0.38 ppb)	F013-0096-H-L	Field Blank-Chip Sampling	840907
ND (0.08 ppb)	1505-0097-C-L	Chip-Off/Lab Extr-1505-S corner, E wall at roofoill	840907
ND (0.10 ppb)	1501-0098-C-L	Chip-Off/Lab Extr-1501-center, N wall at roofoill	840907
ND (0.34 ppb)	1506-0099-C-L	Chip-Off/Lab Extr-1506-center W wall,top 24",vertical	840907
24.8 ng/wipe	F014-0100-W-L	Wipe-Field Blank	840907
ND (3.2 ng/meter <sup>2</sup> )	1506-0101-W-L	Wipe-Off/Lab Extr-1506-Center of W wall at roof	840907
ND (0.41 ng/meter <sup>3</sup> )	H300-0103-T-L	IH-glass fiber filter: Personnel sample	840907
ND (0.20 ng/meter <sup>3</sup> )	H300-0104-T-L	IH glass fiber filter: Hi vol, clean area sample	840907
ND (0.27 ng/meter <sup>3</sup> )	H300-0105-T-L	IH XAD2: BACK-UP TO L0104	840907
ND (0.80 ng/sample)	F015-0106-T-L	IH glass fiber filter: Blank	840907
ND (0.18 ppb)	T006-0107-H-L	Trip Blank-Chip Sampling	840907
ND (0.63 ppb)	1505-0108-C-L	Chip-Off/Lab Extr-1505- S corner E wall, 3' to 5'	840907
ND (0.25 ppb)	1505-0109-C-L	Chip-Off/Lab Extr-1505- S corner E wall, ground level	840907
2.3 ppb	1505-0110-C-L	Chip-Off/Lab Extr-1505-Walkway of Front Entrance	840907
0.70 ppb	1501-0111-C-L	Chip-Off/Lab Extr-1501-center of N wall, 3' to 5'	840907
0.95 ppb	1501-0112-C-L	ITAS Split of 1501-0111-C-L	840907

80 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:40

PAGE 2

RESULTS	CLIENT #	SAM.DESC	SORT 2
0.57 ppb	1501-0113-C-L	Chip-Off/Lab Extr-1501-center N wall, ground level	840907
54.0 ppb	0065-0136-D-L	Drum #65, 400, clear gold liquid	840910
25.6 ng/sample	A007-0144-A-K	Ambient Air: September 10,1984	840910
ND (0.75 ng/sample)	F016-0146-T-L	IH: XAD-2 tube Field Blank	840907
2.6 ppb	0075-0152-D-L	Drum #75, 15T, pink thick liquid	840910
ND (1.6 ng/meter <sup>3</sup> )	H300-0159-T-L	IH glass fiber filter-Personnel sample	840910
ND (1.2 ng/meter <sup>3</sup> )	H300-0160-T-L	IH-GFF/XAD: 37-CI SAMPLE SPIKE	840910
ND (1.0 ng/meter <sup>3</sup> )	H300-0161-T-L	IH glass fiber filter-Hi vol,btwn tanks,Process bldg	840910
ND (0.08 ng/meter <sup>3</sup> )	H500-0162-T-L	IH-XAD: BACK-UP TO L0161	840910
ND (1.1 ng/sample)	F018-0163-T-L	IH glass fiber filter-Blank	840910
ND (0.36 ng/sample)	F019-0164-T-L	IH XAD-Blank	840910
ND (0.004 ppb)	T008-0165-H-L	Trip Blank-Chip Sampling	840910
ND (0.58 ppb)	1506-0166-C-L	Chip-Off/Lab Extr-1506-center W wall, 3' to 5'	840910
2.4 ppb	1506-0167-C-L	Chip-Off/Lab Extr-1506-center W wall, ground level	840910
54.6 ppb	2100-0168-C-L	Chip-Warehse-Rm 2100,center of traffic area, floor	840910
48.7 ppb	2109-0169-C-L	Chip-Warehse-Rm 2109-Fir, tool crib cage area	840910
121. ppb	2109-0170-C-L	Chip-Warehse-Rm 2109-Floor by traffic door	840910
192. ppb	2109-0171-C-L	Chip-Warehse-Rm 2109-Floor by warehouse door	840910
ND (0.003 ppb)	F020-0173-H-L	Field Blank-Chip Sampling	840910
ND (0.56 ng/wipe)	F021-0174-W-L	Wipe-Field Blank	840910
600. ng/meter <sup>2</sup>	2108-0176-W-L	Wipe-Warehouse-Rm 2108, Floor-Kitchen	840910
130. ng/meter <sup>2</sup>	2108-0177-W-L	Wipe-Warehouse-Rm 2108, Windowsill, Kitchen	840910
19,000. ng/meter <sup>2</sup>	2109-0178-W-L	Wipe-Warehse-Rm 2109-Top of Light Work Area, Shop	840910
3500. ng/meter <sup>2</sup>	2109-0179-W-L	Wipe-Warehse-Rm 2109-Top of bench in Shop	840910
8000. ng/meter <sup>2</sup>	2200-0180-W-L	Wipe-Warehse-Rm 2200-Top of beam in Storage area	840910
ND (2.4 ng/sample)	A007-0181-A-K	Ambient Air: September 11, 1984	840911
ND (1.9 ng/sample)	A007-0182-A-K	Ambient Air: September 12, 1984	840912
0.96 ppb	0-2-0-0187-300-M-L	Passaic River Sediment-Station 0-2-0, 0-12"	840911
ND (0.23 ppb)	0-2-0-0188-299-M-L	Passaic River Sediment-Station 0-2-0, 12-24"	840911
0.53 ppb	0-4-0-0190-300-M-L	Passaic River Sediment-Station 0-4-0, 0-12"	840911
1.8 ppb	0-4-0-0191-299-M-L	Passaic River Sediment-Station 0-4-0, 12-24"	840911
ND (0.69 ppb)	0-6-1-0196-300-M-L	Passaic River Sediment-Station 0-6-1, 0-12"	840913
0.63 ppb	0-6-1-0197-299-M-L	Passaic River Sediment-Station 0-6-1, 12-24"	840913
1.2 ppb	0-6-2-0198-300-M-L	Passaic River Sediment: Station 0-6-2, 0-12"	840912
ND (0.16 ppb)	0-6-2-0199-299-M-L	Passaic River Sediment: Station 0-6-2, 12-24"	840912
1.8 ppb	0-7-0-0206-300-M-L	Passaic River Sediment: Station 0-7-0, 0-12"	840912
1810. ng/meter <sup>2</sup>	2103-0217-W-L	Wipe-Warehouse-Rm 2103-Floor, Foremans Office	840910
8120. ng/meter <sup>2</sup>	2100-0218-W-L	Wipe-Warehouse-Rm 2100-Top of Fluorescent	840910
ND (0.34 ng/meter <sup>3</sup> )	H300-0240-T-L	IH glass fiber filter-Personnel sample	840911
ND (1.1 ng/sample)	F024-0242-T-L	IH glass fiber filter-Field Blank	840911
13.9 ppb	0119-0255-D-L	Drum #119, CZ, dark brown liquid	840912
ND (0.10 ng/meter <sup>3</sup> )	H300-0273-T-L	IH glass fiber filter-Personnel sample	840912
ND (0.55 ng/meter <sup>3</sup> )	H300-0274-T-L	IH Personnel Sample: Drum Sampler Assistant	840912
ND (0.14 ng/meter <sup>3</sup> )	H300-0275-T-L	IH Personnel Sample: Driller (glass fiber filter)	840912
ND (0.16 ng/meter <sup>3</sup> )	H300-0276-T-L	IH glass fiber filter: Betwn tanks & Process Bldg	840912
10.5 ppb	5001-0277-C-L	Chip-Stack Flue, Soot at Furnace Entrance	840912
9.2 ppb	5002-0278-C-L	Chip-Stack, Soot from base of inside drop-out chamber	840912
1.2 ppb	5003-0279-C-L	Chip-Stack Extr- at base, 0-24" vertical	840912
0.17 ppb	6500-0280-B-L	Bulk-Solvent Shed Extr-insulating panel	840912
ND (0.37 ng/meter <sup>3</sup> )	H500-0283-T-L	IH-XAD: BACK-UP TO L0276	840912

90 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:40

PAGE 3

RESULTS	CLIENT #	SAM.DESC	SORT 2
ND (0.11 ng/sample)	F026-0284-T-L	IH Glass Fiber Filter-Field Blank	840912
ND (1.1 ng/sample)	F027-0285-T-L	IH XAD: Field Blank	840912
0.87 ppb	1-1-0-0301-300-M-L	Passaic River Sediment: Station 1-1-0, 0-12"	840912
65.6 ppb	1-1-0-0302-299-M-L	Passaic River Sediment: Station 1-1-0, 12-24"	840912
ND (0.27 ppb)	1-1-1-0303-300-M-L	Passaic River Sediment-Station 1-1-1, 0-12"	840913
1.5 ppb	1-1-1-0304-299-M-L	Passaic River Sediment-Station 1-1-1, 12-24"	840913
3.5 ppb	1-1-2-0305-300-M-L	Passaic River Sediment-Station 1-1-2, 0-12"	840913
10.3 ppb	1-1-2-0306-299-M-L	Passaic River Sediment-Station 1-1-2, 12-24"	840913
1.7 ppb	1-2-0-0307-300-M-L	Passaic River Sediment-Station 1-2-0, 0-12"	840913
0.97 ppb	1-4-0-0310-300-M-L	Passaic River Sediment-Station 1-4-0, 0-12"	840913
2.0 ppb	1-6-0-0312-300-M-L	Passaic River Sediment-Station 1-6-0, 0-12"	840913
1.1 ppb	1-7-0-0313-300-M-L	Passaic River Sediment-Station 1-7-0, 0-12"	840913
13. ng/meter2	2400-0315-W-L	Wipe-Warehouse, West Roof	840913
ND (0.57 ppb)	2506-0316-C-L	Chip West Wall at Ground Level	840913
4.4 ppb	2501-0317-C-L	Chip-Warehouse N. Wall at Ground Level	840913
3.1 ppb	2504-0318-C-L	Chip-Warehouse E. Wall at Ground Level	840913
10. ppb	2502-0319-C-L	Chip-Warehouse S. Wall at Ground Level	840913
ND (0.42 ng/wipe)	F029-0320-W-L	Field Blank Wipe	840913
1.5 ppb	0162-0346-D-L	Drum #162, CX, golden liquid	840913
ND (0.72 ppb)	0-6-0-0351-300-M-L	Passaic River Sediment-Station 0-6-0, 0-12"	840913
3.2 ppb	0-6-0-0352-299-M-L	Passaic River Sediment-Station 0-6-0, 12-24"	840913
18.8 ppb	A-3-C-0354-101-S-L	Soil: Station A-3-C, Borehole #6, 6-12"	840913
35.9 ppb	0176-0364-D-L	Drum #176, 21Y, thick white paste	840914
16.0 ppb	0183-0371-D-L	Drum #183, QG, pink & red liquid	840914
150. ng/meter2	1206-0381-W-L	Office/Lab Rm1206-Wipe-Bench-Small Lab	840913
ND (0.12 ng/meter3)	H300-0382-T-L	Glass Fiber Filter: Personnel	840913
ND (0.91 ng/meter3)	H300-0383-T-L	Glass Fiber Filter Personnel	840913
ND (0.99 ng/meter3)	H300-0384-T-L	Glass Fiber Filter Personnel	840913
9.0 ppb	6100-0388-C-L	Chip-Solvent Shed Interior Floor	840913
ND (0.77 ppb)	2506-0389-C-L	Chip-Warehouse West Wall @60" (3-5')	840913
ND (0.28 ppb)	2506-0390-C-L	Chip-Warehouse West Wall @ Roof Line	840913
1.6 ppb	2501-0391-C-L	Chip-Warehouse North Wall @ 60" (3-5')	840913
1.9 ppb	2501-0392-C-L	Chip-Warehouse Exter-North side at Roof	840914
13.3 ppb	2502-0393-C-L	Chip-Warehouse South Wall @ 60" (3-5')	840913
7.5 ppb	0174-0403-D-L	Drum #174, 21Y, thick white paste	840914
ND (0.45 ng/sample)	F033-0409-T-L	Glass Fiber Filter Field Blank	840913
ND (8.7 ng/sample)	A007-0414-A-K	Ambient Air: September 17, 1984	840917
ND (0.3 ppb)	A-3-C-0417-201-S-L	Soil: Station A-3-C, Borehole #6, 11-13', silt	840914
45. ppb	4501-0424-C-L	Chip-Process Bldg Exter-North Wall, 0-24"	840914
2.7 ppb	4506-0425-C-L	Chip-Process Bldg Exter-Rin Wall, W side, 0-24"	840914
2.9 ppb	4506-0426-C-L	Chip-Process Bldg Exter-Bin Wall,W side, 36-60"	840914
67.9 ppb	4503-0427-C-L	Chip-Proc Bldg, Extr S-at C filter,24" over curb	840914
37.0 ppb	4501-0428-C-L	Chip-Process Bldg-IN BIN-North, 0-24"	840914
36.0 ppb	A-2-K-0435-101-S-L	Soil: Station A-2-K, Borehole #5, 6-12"	840917
ND (0.16 ng/meter3)	H300-0444-T-L	IH glass fiber filter--Area Decon	840914
ND (0.55 ng/meter3)	H500-0445-T-L	IH-XAD: BACK-UP TO L0444	840914
0.74 ng/meter3	H300-0446-T-L	IH glass fiber filter--Personnel	840914
ND (0.05 ng/sample)	F036-0449-T-L	IH glass fiber filter-Field Blank	840914
ND (0.32 ng/sample)	F037-0450-T-L	IH XAD2--Field Blank	840914
76.8 ppb	4502-0451-C-L	Chip-Proc Bldg-S wall-near roof at vert stairs	840917



RESULTS	CLIENT #	SAM.DESC	SORT 2
1580. ppb	4504-0452-C-L	Chip-Proc Bldg-E wall,over trench near vessels(0-24")	840917
95.4 ppb	4504-0453-B-L	Bulk-Proc Bldg-E wall, near vessels (36-60")	840917
78.3 ppb	4504-0454-B-L	Bulk-Proc Bldg-E wall, at roof near vessels	840917
128. ppb	4501-0455-R-L	Bulk-Proc Bldg-M wall, 36-60"	840917
8.1 ppb	4503-0456-B-L	Bulk-Proc Bldg-S wall, 36-60"	840917
ND (0.31 ng/meter3)	H300-0479-T-L	IH glass fiber filter--Personnel	840917
ND (1.0 ng/sample)	H300-0481-T-L	IH glass fiber filter--Field Blank	840917
3.0 ppb	4501-0493-B-L	Bulk-Proc Bldg-M wall, 24" fr top (off louvers)	840917
ND (0.69 ng/wipe)	F041-0494-W-L	Wipe-Field Blank	840917
6.4 ng/meter2	4400-0495-W-L	Wipe-Proc Bldg-Roof, Northeast quadrant	840917
12. ng/meter2	4400-0496-W-L	Wipe-Proc Bldg-Roof, Southwest corner	840917
3.4 ppb	0230-0502-D-L	Drum #230, BB, clear liquid & white solids	840918
476. ppb	0251-0523-D-L	Drum #251, ZB, brown sludge & water	840918
1.4 ppb	2504-0527-C-L	Chip-Warehouse Exter-E wall, 3'-5'	840918
1.0 ppb	2504-0528-C-L	Chip-Warehouse Exter-E wall, at roof line	840918
16.5 ppb	2502-0529-C-L	Chip-Warehouse Exter-S wall, at roof line	840918
ND (0.07 ppb)	A-2-K-0531-201-S-L	Soil: Station A-2-K, Borehole #5, 12.7'-14.7', silt	840918
1.2 ng/meter3	H300-0540-T-L	IH glass fiber filter--Personnel, Chip Sampler	840918
ND (0.26 ng/meter3)	H300-0541-T-L	IH glass fiber filter--Personnel, Driller	840918
ND (0.61 ng/sample)	F043-0542-T-L	IH glass fiber filter-Field Blank	840918
7.5 ppb	D-1-F-0544-101-S-L	Soil: Station D-1-F, Borehole #7, 6"-12"	840919
696. ppb	4100-0553-C-L	Chip-Process Bldg-Floor, W end of first floor	840918
445. ppb	4100-0554-C-L	Chip-Process Bldg-Floor at loading door, first floor	840918
43.2 ppb	4100-0555-C-L	Chip-Proc Bldg-Floor, E end under vessel, 1st floor	840918
1970. ng/meter2	4100-0556-W-L	Wipe-Proc Bldg-E end,near vessel-top of light,1st fir	840918
4040. ng/meter2	4100-0557-W-L	Wipe-Proc Bldg-E end,low on column,nr vessel, 1st fir	840918
1200. ng/meter2	4100-0558-W-L	Wipe-Proc Bldg-center 1st flr, top of light,nr vessel	840918
29,200. ng/meter2	4100-0559-W-L	Wipe-Proc Bldg-center 1st flr,low on column,nr vessel	840918
41,600. ng/meter2	4100-0560-W-L	Wipe-Proc Bldg-W end 1st flr, top of light,nr vessel	840918
9070. ng/meter2	4100-0561-W-L	Wipe-Proc Bldg-W end, 1st flr,low on column,nr vesse	840918
ND (0.47 ng/wipe)	F044-0562-W-L	Wipe-Field Blank	840918
ND (2.5 ng/sample)	A007-0597-A-K	Ambient Air: September 19, 1984	840919
ND (0.98 ng/sample)	H300-0599-T-L	IH-GFF/XAD: 37-CI BLANK SPIKE	840919
ND (0.06 ppb)	D-1-F-0601-201-S-L	Soil: Station D-1-F, Borehole #7, 10.7'-12.7', silt	840920
1200. ng/meter2	4200-0608-W-L	Wipe-Proc Bldg-2nd Flr, W end interior wall	840919
380. ng/meter2	4200-0609-W-L	Wipe-Proc Bldg-2nd Flr, Acid Rm Wall (interior)	840919
270 ng/meter2	4200-0610-W-L	Wipe-Proc Bldg-2nd Flr, E end interior wall	840919
3100. ng/meter2	4300-0611-W-L	Wipe-Proc Bldg-3rd Flr, E end interior wall	840919
170. ng/meter2	4300-0612-W-L	Wipe-Proc Bldg-3rd Flr, Surface-Center	840919
60. ng/meter2	4300-0613-W-L	Wipe-Proc Bldg-3rd Flr, Surface-East End	840919
ND (1.2 ng/wipe)	F046-0614-W-L	Wipe--Field Blank	840919
5.3 ppb	6600-0617-C-L	Chip-Well House-Exterior, 0-24"	840919
50.0 ppb	6200-0618-C-L	Chip-Well House-Interior, floor	840919
1.1 ppb	3100-0619-C-L	Chip-Mftg Bldg-Old Area,roof slab,S of cntr vesse	840919
12.3 ppb	3100-0620-C-L	Chip-Mftg Bldg-Old Area,roof slab,W of north vesse	840919
1280. ppb	3100-0621-C-L	Chip-Mftg Bldg-BULK DEBRIS from Drain Area	840919
91.8 ppb	3100-0622-C-L	Chip-Mftg Bldg-Old Area,1st flr-Flr in N end, N room	840919
447. ppb	3100-0633-C-L	Chip-Mftg Bldg-Old Area, Floor--Center	840920
502. ppb	3100-0634-C-L	Chip-Mftg Bldg-Old Area, Floor--South	840920
210. ppb	3100-0635-C-L	Chip-Mftg Bldg-Packing Area, Floor at man door	840920

80 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:40

PAGE 5

RESULTS	CLIENT #	SAM.DESC	SORT 2
191. ppb	3100-0636-C-L	Chip-Mftg Bldg-Packing Area, Floor at packing chute	840920
6.0 ppb	3100-0639-C-L	Chip-Mftg Bldg-Packing Area, Low on East wall	840920
18.1 ppb	3100-0640-C-L	Chip-Mftg Bldg-Packing Area, 36-60" on West wall	840920
62.1 ppb	3100-0641-C-L	Chip-Mftg Bldg-New Addition, SW wall, interior	840920
784. ppb	C-7-C-0643-101-S-L	Soil: Station C-7-C, Borehole #4, 6"-12"	840920
5.1 ppb	3100-0652-C-L	Chip-Mftg Bldg-1st Flr, SW fir under vessel	840920
22.5 ppb	3100-0653-C-L	Chip-Mftg Bldg-1st Flr,New Add'n, center fir by pump	840920
896. ppb	3200-0654-C-L	Chip-Mftg Bldg-2nd flr,New Add'n, N wall by door	840920
7000. ng/meter2	3200-0655-W-L	Wipe-Mftg Bldg-2nd Flr,New Add'n, Floor-South end	840920
1100. ng/meter2	3200-0656-W-L	Wipe-Mftg Bldg-2nd Flr,New Add'n, Panel-Center	840920
630. ng/meter2	3200-0657-W-L	Wipe-Mftg Bldg-2nd Flr,New Add'n, North end-Beam	840920
233. ng/meter2	3100-0658-W-L	Wipe-Mftg Bldg-1st Flr, Packing Area-Rafter	840920
2.7 ng/wipe	F048-0659-W-L	Wipe-Field Blank	840920
ND (1.7 ppb)	0305-0670-D-L	Drum #305, Pit, clear liquid	840921
ND (6.7 ppb)	0314-0679-D-L	Drum #314, 9K, dark brown crystals	840921
203. ppb	3501-0690-C-L	Chip-Mftg Bldg Exter-North wall, 0-24", by man door	840921
167. ppb	3501-0691-C-L	Chip-Mftg Bldg Exter-North wall,36-60",by man door	840921
59.8 ppb	3506-0692-C-L	Chip-Mftg Bldg Exter-West wall, 0-6",by lg N doorway	840921
12.2 ppb	3506-0693-C-L	Chip-Mftg Bldg Exter-W wall,36-60",by lg N doorway	840921
3.1 ppb	3506-0694-C-L	Chip-Mftg Bldg Exter-W wall, 0-6",by S stairway	840921
0.93 ppb	3506-0695-C-L	Chip-Mftg Bldg Exter-W wall,36-60",by S stairway	840921
200. ppb	3502-0696-C-L	Chip-Mftg Bldg Exter-South, under Load-out door	840921
6.9 ppb	3502-0697-C-L	Chip-Mftg Bldg Exter-S wall,0-6",package area door	840921
26.6 ppb	3502-0698-C-L	Chip-Mftg Bldg Exter-S wall,36-60",package area door	840921
2.1 ppb	C-7-C-0701-201-S-L	Soil: Station C-7-C, Borehole #4, 10'-12', silt	840921
ND (1.0 ng/sample)	A007-0711-A-K	Ambient Air: September 21, 1984	840921
75.8 ng/sample	A007-0714-A-K	Ambient Air: September 24, 1984	840924
ND (6.5 ng/wipe)	F051-0715-W-L	Wipe-Field Blank	840921
ND (77.5 ng/meter2)	3502-0716-W-L	Wipe-Mftg Bldg-South Exterior Door	840921
109. ppb	F-7-B-0752-101-S-L	Soil: Station F-7-B, Borehole #8, 6"-12"	840922
0.49 ppb	F-7-B-0764-201-S-L	Soil: Station F-7-B, Borehole #8, 10'-12', silt	840924
41.3 ng/wipe	9100-0801-W-L	Wipe-Decon Line, Split Spoon after Decon	840922
0.05 ppb	9100-0802-H-L	Water-Decon Line, Personnel Washwater Rinse	840922
ND (0.02 ppb)	9100-0803-H-L	Water-Decon Line, Drum Sampling Thief, final rinse	840922
ND (0.49 ng/meter3)	H300-0806-T-L	IH-glass fiber filter- Personnel, Driller	840924
ND (0.74 ng/meter3)	H300-0807-T-L	IH glass fiber filter: Personnel, Tank Sampling	840924
ND (0.55 ng/meter3)	H500-0808-T-L	IH XAD: BACK-UP TO L0807	840924
ND (0.51 ng/sample)	F054-0809-T-L	IH-glass fiber filter: Field Blank	840924
ND (0.68 ng/sample)	H500-0810-T-L	IH-XAD: Field Blank	840924
ND (3.8 ppb)	0388-0816-D-L	Drum #388, 18W, clear liquid (rusty)	840925
ND (2.0 ppb)	0392-0820-D-L	Drum #392, JJ, golden liquid	840925
ND (3.1 ng/sample)	A007-0843-A-K	Ambient Air: September 25, 1984	840925
218. ppb	I-2-L-0849-101-S-L	Soil: Station I-2-L, Borehole #1, 6-12"	840927
883. ppb	I-5-A-0861-101-S-L	Soil: Station I-5-A, Borehole #2, 6-12"	840925
12. ppb	0438-0925-D-L	Drum #438, NN, white solids	840926
ND (16.2 ppb)	0450-0937-D-L	Drum #450, DD, white powder	840927
174. ppb	0458-0948-D-L	Drum #458, S, brown liquid	840927
ND (1.01 ng/meter3)	H300-0966-T-L	IH: Glass Fiber Filter Area	840926
ND (0.27 ng/meter3)	H500-0967-T-L	IH: XAD2, Area Sample	840926
ND (0.5 ng/sample)	F058-0968-T-L	IH: Glass Fiber Filter Field Blank	840926

80 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:40

PAGE 6

RESULTS	CLIENT #	SAM.DESC	SORT 2
ND (0.55 ng/sample)	F059-0969-T-L	IH: XAD2 Field Blank	840926
ND (8.4 ppb)	0492-1015-D-L	Drum #492, PP, dark liquid w/solids	840928
3510. ppb	I-7-K-1039-101-S-L	Soil: Station I-7-K, Borehole #3, 6-12"	840928
824. ppb	I-7-K-1049-101-S-L	ITAS Split of I-7-K-1039-101-S-L	840928
ND (1.9 ng/sample)	A007-1084-A-K	Ambient Air: October 3, 1984	841003
ND (2.02 ng/meter <sup>3</sup> )	H300-1085-T-L	IH: Glass Fiber Filter, Personnel-Drum Crew	841001
ND (0.33 ng/meter <sup>3</sup> )	H300-1086-T-L	IH: Glass Fiber Filter, Personnel-Tank Crew	841001
ND (2.9 ng/meter <sup>3</sup> )	H300-1087-T-L	IH: Glass Fiber Filter, Personnel-Drillers	841003
ND (0.4 ng/sample)	F062-1088-T-L	IH: Glass Fiber Filter-Field Blank	841001
ND (0.28 ng/meter <sup>3</sup> )	H300-1089-T-L	IH: Glass Fiber Filter Area	841003
ND (0.97 ng/meter <sup>3</sup> )	H500-1090-T-L	IH: XAD2, Area Sample	841003
ND (2.7 ng/sample)	F063-1091-T-L	IH: XAD2, Field Blank	841003
2.8 ppb	I-7-K-1120-201-S-L	Soil: Station I-7-K, Borehole #3, 13.5-15.2' silt	841001
ND (2.0 ppb)	0554-1136-D-L	Drum #554, Pit 3, clear liquid	841002
8750. ppb	0558-1140-D-L	Drum #558, Pit 3, dark sludge w/water	841003
5.5 ng/wipe	F066-1163-W-L	Wipe: Field Blank	841002
No Recovery	7041-1192-N-L	Tank #41	841002
No Recovery	7037-1206-N-L	Tank #37	841003
ND (0.39 ng/meter <sup>3</sup> )	H300-1209-T-L	IH: Glass Fiber Filter, Personnel-Drums	841003
ND (2.4 ng/meter <sup>3</sup> )	H300-1210-T-L	IH: Glass Fiber Filter, Personnel-Tanks	841003
ND (0.85 ng/sample)	F068-1211-T-L	IH: Glass Fiber Filter, Field Blank	841003
52.2 ng/wipe	H600-1213-W-L	IH Wipe: Mat bngng of decon were prsnl untape	841003
ND (16.4 ng/meter <sup>2</sup> )	H600-1214-W-L	IH Wipe: Stblz Cloth in Decon btwn brk area & D Trlr	841003
0.02 ppb	H600-1215-H-L	IH Water: Final Rinse Tub in Decon Line	841003
ND (26.8 ng/meter <sup>2</sup> )	H600-1216-W-L	IH Wipe: Stblz Cloth in frnt of Smp1 Trlr Steps	841003
88.7 ng/wipe	F069-1217-W-L	Wipe: Field Blank Wipe-Tank	841003
2590. ppb	8001-1231-Z-L	Sump: Mftg Bldg-1st flr-W Wall nxt to rollup door	841003
1011. ppb	8002-1232-Z-L	Sump: Mftg Bldg-1st flr-W side-N of rollup door	841003
105. ppb	8003-1233-Z-L	Sump: Mftg Bldg-1st flr-SE Side-Flr Smp-N Sldg Drs	841003
350. ppb	8004-1234-Z-L	Sump: Outsie Process Bldg-E Wall-Floor Sump	841003
ND (0.0054 ppb)	F070-1235-H-L	Water: Field Blank-Sewer/Sump	841003
ND (4.3 ng/sample)	A007-1241-A-K	Ambient Air: October 4, 1984	841004
2.2 ppb	I-2-L-1245-201-S-L	Soil: Station I-2-L, Borehole #1, 17'-19', silt	841004
2680. ppb	8005-1254-Z-L	Sump: Otsd Wall of Process Bldg-30' W of Tank 2099	841004
9160. ppb	8006-1255-Z-L	Sump: Otsd NW Crnr Process Bldg-5' E of Eck Strwy	841004
19.5 ppb	8007-1256-Z-L	Sewer: 12' S of SW Crnr of Mftg Bldg	841004
5.0 ppb	7057-1258-N-L	Tank: Tank #57	841004
100. ppb	7063-1264-N-L	Tank #63	841004
ND (0.49 ng/meter <sup>3</sup> )	H300-1267-T-L	IH: Glass Fiber Filter, Personnel-Tank	841004
ND (0.93 ng/sample)	F072-1269-T-L	IH: Glass Fiber Filer, Field Blank	841004
560. ppb	8008-1284-Z-L	Sump: 15' NW of SW crnr of Mftg Bldg	841005
836. ppb	8009-1285-Z-L	Sump: 60' N of outside SW crnr of Mftg Bldg	841005
4040. ppb	8010-1286-Z-L	Sewer: 25' N & 15' W of SW otsd nil at Mftg Bldg	841005
420. ppb	8011-1287-Z-L	Sewer: Directly 20'S of Tank #23 nr Warehouse	841005
529. ppb	8012-1323-Z-L	Sewer: 50' NE of Office Lab	841005
330. ppb	A-2-G-1334-101-S-L	Soil: Station A-2-G, 6-12", Near Surface Soil	841008
11.1 ppb	B-2-M-1345-101-S-L	Soil: Station B-2-M, 6-12", Near Surface Soil	841009
30.9 ppb	H-1-H-1389-101-S-L	Soil: Station H-1-H, 6-12", Near Surface Soil	841009
69.3 ppb	H-5-F-1395-101-S-L	Soil: Station H-5-F, 6-12", Near Surface Soil	841010
4.2 ppb	E-1-G-1402-101-S-L	Soil: Station E-1-G, 6-12", Near Surface Soil	841009

80 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:40

PAGE 7

RESULTS	CLIENT #	SAM.DESC	SORT 2
236. ppb	7094-1410-N-L	Tank: Tank #94	841009
2.3 ppb	D-4-N-1438-101-S-L	Soil: Station D-4-N, Inside Warehouse, 6-12"	841010
494. ppb	G-5-F-1449-101-S-L	Soil: Station G-5-F, 6-12", Near Surface Soil	841012
0.049 ppb	I-7-K-1451-290-H-L	Water: Station I-7-K, Well #3 Re-take for TCDD	841010
0.005 ppb	F083-1452-H-L	Water: Field Blank-Well	841010
ND (0.001 ppb)	T037-1453-H-L	Water: Trip Blank-Well	841010
ND (3.6 ng/wipe)	9900-1458-W-L	Wipe: Program QC-Blank Wipe	841015
ND (3.8 ng/wipe)	9900-1460-W-L	Wipe: Program QC-Blank Wipe	841015
34.9 ng/wipe	9900-1461-W-L	Wipe: Program QC-Spiked Wipe	841015
34.7 ng/wipe	9900-1462-W-L	Wipe: Program QC-Spiked Wipe	841015
38.5 ng/wipe	9900-1463-W-L	Wipe: Program QC-Spiked Wipe	841015
0.76 ppb	Q-1-C-1464-100-S-L	Soil: Program QC-Virgin Soil	841015
1.4 ppb	Q-1-C-1465-100-S-L	Soil: Program QC-Virgin Soil	841015
0.89 ppb	Q-1-C-1466-100-S-L	Soil: Program QC-Virgin Soil	841015
725. ppb	Q-1-C-1467-100-S-L	Soil: Program QC-Clarksburg Soil	841015
878. ppb	Q-1-C-1468-100-S-L	Soil: Program QC-Clarksburg Soil	841015
780. ppb	Q-1-C-1469-100-S-L	Soil: Program QC-Clarksburg Soil	841015
87.5 ppb	C-6-B-1477-101-S-L	Soil: Station C-6-B, 6-12", Near Surface Soil	841017
1.7 ppb	9400-1475-S-L	NJDEP Proficiency Sample A020-Blank Spike	841016
4.4 ppb	9400-1476-S-L	NJDEP Proficiency Sample A021	841016
1.1 ppb	9400-1477-S-L	NJDEP Proficiency Sample A022	841016
511. ppb	9400-1478-S-L	NJDEP Proficiency Sample A023	841016
1.2 ppb	A-4-F-1517-101-S-L	Soil: Station A-4-F, 6-12", Near Surface Soil	841011
0.7 ppb	A-4-F-1519-101-S-L	ITAS Split of A-4-F-1517-101-S-L	841011
27.6 ppb	H-7-H-1521-101-S-L	Soil: Station H-7-H, 6-12", Near Surface Soil	841011
No Recovery	7112-1523-N-L	Tank #112	841011
9.2 ppb	7118-1526-N-L	Tank: Tank #118	841011
ND (11.2 ng/meter <sup>2</sup> )	H600-1529-W-L	IH Wipe: Frm Smply Head of Instrmt #15084 Aftr Dcn	841011
ND (4.8 ng/meter <sup>2</sup> )	H600-1530-W-L	IH Wipe: Frm Qtsd Body o Decon Instrmt #15084	841011
ND (3.8 ng/wipe)	F086-1531-W-L	IH Wipe: Field Blank	841011
26.3 ng/meter <sup>3</sup>	H300-1532-T-L	IH: Glass Fiber Filter, Personnel, Tank	841012
ND (4.5 ng/meter <sup>3</sup> )	H300-1533-T-L	IH: Glass Fiber Filter, Personnel, Tank	841012
ND (11.1 ng/sample)	F087-1534-T-L	IH: Glass Fiber Filter, Field Blank	841012
5530. ppb	7126-1539-N-L	Tank #126	841012
4200. ppb	7127-1540-N-L	Tank #127	841012
14.4 ppb	E-5-D-1542-101-S-L	Soil: Station E-5-D, 6-12", Near Surface Soil	841012
7.2 ng/wipe	F089-1547-W-L	Wipe: Field Blank	841012
679. ppb	7129-1548-N-L	Tank #129	841012
1.7 ppb	9400-1549-S-L	NJDEP Proficiency Sample A010-Blank Spike	841012
1.2 ppb	9400-1550-S-L	NJDEP Proficiency Sample A011	841012
3.6 ppb	9400-1551-S-L	NJDEP Proficiency Sample A012	841012
492. ppb	9400-1552-S-L	NJDEP Proficiency Sample A013	841012
1230. ppb	H-2-H-1554-101-S-L	Soil: Station H-2-H, 6-12", Near Surface Soil	841015
ND (0.0007 ppb)	F090-1556-H-L	Water: Field Blank for Dioxin	841015
217. ppb	G-5-E-1567-101-S-L	Soil: Station G-5-E, 6-12", Near Surface Soil, B #10	841015
96.3 ppb	G-3-I-1577-101-S-L	Soil: Station G-3-I, 6-12", Near Surface Soil	841015
11.8 ppb	G-5-E-1580-201-S-L	Soil: Station G-5-E, Borehole #10, Silt	841016
168. ng/meter <sup>2</sup>	1506-1590-W-L	Wipe: Office Lab, West Wall, at Roof	841017
10. ng/wipe	F092-1591-W-L	Wipe: Field Blank	841017
502. ppb	9400-1592-S-L	NJDEP Proficiency Sample A016	841015

80 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:41

PAGE 8

RESULTS	CLIENT #	SAM.DESC	SORT 2
541. ppb	9400-1593-S-L	NJDEP Proficiency Sample A017	841015
1.1 ppb	9400-1594-S-L	NJDEP Proficiency Sample A018	841015
1.5 ppb	9400-1595-S-L	NJDEP Proficiency Sample A019-Blank Spike	841015
47.0 ppb	H-2-B-1599-101-S-L	Soil: Station H-2-B, 6-12", Near Surface Soil	841016
394. ppb	F-5-E-1605-101-S-L	Soil: Station F-5-E, 6-12", Near Surface Soil, R #11	841017
60,800. ppb	7135-1620-N-L	Tank #135	841017
ND (0.009 ppb)	F096-1623-H-L	Water: Field Blank for Dioxin	841017
3690. ppb	G-4-A-1628-101-S-L	Soil: Station G-4-A, 6-12", Near Surface Soil	841022
11.1 ppb	7136-1635-N-L	Tank: Tank #136	841017
1.7 ppb	9400-1653-S-L	NJDEP Proficiency Sample A024-Blank Spike	841017
4.2 ppb	9400-1654-S-L	NJDEP Proficiency Sample A025	841017
1.2 ppb	9400-1655-S-L	NJDEP Proficiency Sample A026	841017
393. ppb	9400-1656-S-L	NJDEP Proficiency Sample A027	841017
453. ppb	A-5-G-1661-101-S-L	Soil: Station A-5-G, 6-12", Near Surface Soil	841018
526. ppb	A-5-G-1663-101-S-L	ITAS Split of A-5-G-1661-101-S-L	841018
1.8 ppb	F-5-E-1668-201-S-L	Soil: Station F-5-E, Borehole #11, Silt	841018
1.8 ppb	9400-1675-S-L	NJDEP Proficiency Sample A028-Blank Spike	841018
4.5 ppb	9400-1676-S-L	NJDEP Proficiency Sample A029	841018
1.4 ppb	9400-1677-S-L	NJDEP Proficiency Sample A030	841018
595. ppb	9400-1678-S-L	NJDEP Proficiency Sample A031	841018
ND (4.4 ng/meter <sup>2</sup> )	H600-1713-W-L	IH Wipe: Wheel of Drill Rig after Decon	841019
84. ng/meter <sup>2</sup>	H600-1714-W-L	IH Wipe: Back o Drill Rig on Steel Plates aftr Dcn	841019
ND (1.5 ng/wipe)	F103-1715-W-L	Wipe: IH Wipe, Field Blank	841019
1.6 ppb	9400-1733-S-L	NJDEP Proficiency Sample A032-Blank Spike	841019
ND (0.76 ppb)	9400-1734-S-L	NJDEP Proficiency Sample A033	841019
554. ppb	9400-1735-S-L	NJDEP Proficiency Sample A034	841019
500. ppb	9400-1736-S-L	NJDEP Proficiency Sample A035	841019
126. ppb	G-3-L-1743-101-S-L	Soil: Station G-3-L, 6-12", Near Surface Soil	841022
98.9 ng/meter <sup>3</sup>	H300-1754-T-L	IH: Glass Fiber Filter-Frnt Personnel Drl Rig Dcn	841022
8.9 ng/meter <sup>3</sup>	H300-1755-T-L	IH: Glass Fiber Filter-Bck Personnel Drl Rig Dcn	841022
ND (3.3 ng/sample)	F106-1756-T-L	IH: Glass Fiber Filter-Field Blank	841022
ND (18.1 ng/meter <sup>3</sup> )	H300-1757-T-L	IH: Glass Fiber Filter-Area Otsd Dcn Tent-Drl Rig	841022
ND (9.6 ng/meter <sup>3</sup> )	H500-1758-T-L	IH: XAD2-Area Otsd Decon Tent for Drill Rig	841022
ND (52. ng/sample)	F107-1759-T-L	IH: XAD2-Field Blank	841022
1.8 ng/meter <sup>3</sup>	H300-1760-T-L	IH: Glass Fiber Filter, Personnel-Soil Crew	841022
1.7 ng/meter <sup>3</sup>	H300-1761-T-L	IH: Glass Fiber Filter, Personnel-Soil Crew	841022
1.9 ppb	9400-1762-S-L	NJDEP Proficiency Sample A036-Blank Spike	841022
1.6 ppb	J-6-K-1765-101-S-L	Soil: Station J-6-K, 6-12", Near Surface Soil	841022
2730. ppb	H-7-F-1776-101-S-L	Soil: Station H-7-F, 6-12", Near Surface Soil	841024
1.6 ppb	9400-1781-S-L	NJDEP Proficiency Sample A038-Blank Spike	841023
367. ppb	9400-1782-S-L	NJDEP Proficiency Sample A039	841023
151. ppb	1-3-0-1785-300-M-L	Sediment: Station 1-3-0, Passaic River, 0-12"	841024
151. ppb	1-3-0-1786-299-M-L	Sediment: Station 1-3-0, Passaic River, 12-24"	841024
176. ppb	1-3-0-1787-298-M-L	Sediment: Station 1-3-0, Passaic River, 24-36"	841024
238. ppb	1-3-0-1788-297-M-L	Sediment: Station 1-3-0, Passaic River, 36-48"	841024
450. ppb	1-3-0-1789-296-M-L	Sediment: Station 1-3-0, Passaic River, 48-60"	841024
ND (0.0007 ppb)	F112-1795-H-L	Water: Field Blank	841024
72. ng/meter <sup>2</sup>	H600-1796-W-L	IH Wipe: Bck of Drl Rig-Dck Stl Plt-Right Side	841025
18. ng/meter <sup>2</sup>	H600-1797-W-L	IH Wipe: Steel High Pressure Air Bottle	841025
124. ng/meter <sup>2</sup>	H600-1798-W-L	IH Wipe: MSA Air Hose	841025

30 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:41

PAGE 9

RESULTS	CLIENT #	SAM.DESC	SORT #
8.4 ng/meter <sup>2</sup>	H600-1799-W-L	IH Wipe: Steam Jenny Heater Tower	841025
ND (4.1 ng/wipe)	F113-1800-W-L	Wipe: Field Blank	841025
5.1 ppb	9600-1833-101-S-L	Background Soil Boring: Sherwin-Williams, 6-12"	841116
ND (0.76 ppb)	9600-1845-201-S-L	Background Soil Boring: Sherwin Williams, 15-17',silt	841120
ND (0.007 ppb)	F116-1852-H-L	Water: Field Blank	841120
9.4 ppb	I-5-A-1872-290-H-L	Water: Station I-5-A, Well #2	841214
ND (0.0015 ppb)	F118-1873-H-L	Water: Field Blank	841214
1.2 ppb	C-7-C-0702-202-S-G	Soil fr Shelby Tube Archive: B#4, C-7-C, 12-14'	840921
2.1 ppb	I-7-K-1119-200-S-G	Soil fr Shelby Tube Archive: B#3, I-7-K, 8.5-10.5'	841001
ND (0.27 ppb)	I-2-L-1244-200-S-G	Soil fr Shelby Tube Archive: B#1, I-2-L, 15-17'	841004
ND (0.24 ppb)	F-5-E-1668-201-S-L	Soil fr Shelby Tube Archive: B#11, F-5-E, 10.5-12.5'	841018
ND (0.18 ppb)	F-5-E-1670-203-S-G	Soil fr Shelby Tube Archive: B#11, F-5-E, 14.5-16.5'	841018
3.9 ppb	0-1-0-0186-300-M-Y	Passaic River Sediment-Station 0-1-0, 0-12"	840911
1.1 ppb	0-3-0-0189-300-M-Y	Passaic River Sediment-Station 0-3-0, 0-12"	840911
ND (0.54 ppb)	0-5-0-0192-300-M-Y	Passaic River Sediment-Station 0-5-0, 0-12"	840911
ND (0.20 ppb)	0-5-0-0193-299-M-Y	Passaic River Sediment-Station 0-5-0, 12-24"	840911
ND (0.22 ppb)	0-8-2-0200-300-M-Y	Passaic River Sediment: Station 0-8-2, 0-12"	840912
ND (0.43 ppb)	0-8-2-0201-299-M-Y	Passaic River Sediment: Station 0-8-2, 12-24"	840912
ND (0.32 ppb)	0-8-1-0202-300-M-Y	Passaic River Sediment: Station 0-8-1, 0-12"	840913
1.3 ppb	0-8-1-0203-299-M-Y	Passaic River Sediment: Station 0-8-1, 12-24"	840913
0.6 ppb	0-8-0-0204-300-M-Y	Passaic River Sediment: Station 0-8-0, 0-12"	840912
10.4 ppb	0-8-0-0205-299-M-Y	Passaic River Sediment: Station 0-8-0, 12-24"	840912
10.8 ppb	0-9-0-0299-300-M-Y	Passaic River Sediment: Station 0-9-0, 0-12"	840912
2.3 ppb	1-0-0-0300-300-M-Y	Passaic River Sediment: Station 1-0-0, 0-12"	840912
1.3 ppb	1-3-0-0308-300-M-Y	Passaic River Sediment: Station 1-3-0, 0-12"	840913
130. ppb	1-3-0-0309-299-M-Y	Passaic River Sediment: Station 1-3-0, 12-24"	840913
0.94 ppb	1-5-0-0311-300-M-Y	Passaic River Sediment: Station 1-5-0, 0-12"	840913
19.7 ppb	A-3-C-0353-100-S-Y	Soil: Station A-3-C, Borehole #6, 0-6"	840913
7.4 ppb	A-3-C-0355-102-S-Y	Soil: Station A-3-C, Borehole #6, 12-24"	840913
ND (0.02 ppb)	A-3-C-0362-109-S-Y	Soil: Station A-3-C, Borehole #6, 6.5-8.0'	840913
56.3 ppb	A-2-K-0434-100-S-Y	Soil-Station A-2-K, Borehole #5, 0-6"	840917
72.5 ppb	A-2-K-0436-102-S-Y	Soil-Station A-2-K, Borehole #5, 12-24"	840917
0.36 ppb	A-2-K-0443-109-S-Y	Soil-Station A-2-K, Borehole #5, 6.5-8.5'	840917
61.6 ppb	D-1-F-0543-100-S-Y	Soil: Station D-1-F, Borehole #7, 0-6"	840919
4.7 ppb	D-1-F-0545-102-S-Y	Soil: Station D-1-F, Borehole #7, 12"-24"	840919
0.78 ppb	D-1-F-0552-109-S-Y	Soil: Station D-1-F, Borehole #7, 6.5'-8.7'	840919
130. ppb	C-7-C-0642-100-S-Y	Soil: Station C-7-C, Borehole #4, 0-6"	840920
247. ppb	C-7-C-0644-102-S-Y	Soil: Station C-7-C, Borehole #4, 12"-24"	840920
71.8 ppb	C-7-C-0710-109-S-Y	Soil: Station C-7-C, Borehole #4, 6.5'-8'	840922
2560. ppb	F-7-B-0751-100-S-Y	Soil: Station F-7-B, Borehole #8, 0-6"	840922
687. ppb	F-7-B-0753-102-S-Y	Soil: Station F-7-B, Borehole #8, 12"-24"	840922
2.4 ppb	F-7-B-0760-109-S-Y	Soil: Station F-7-B, Borehole #8, 6.5'-8'	840922
2700. ppb	I-2-L-0848-100-S-Y	Soil: Station I-2-L, Borehole #1, 0-6"	840927
93.6 ppb	I-2-L-0850-102-S-Y	Soil: Station I-2-L, Borehole #1, 12-24"	840927
12.1 ppb	I-2-L-0857-109-S-Y	Soil: Station I-2-L, Borehole #1, 13.5'-15.5'	840927
523. ppb	I-5-A-0860-100-S-Y	Soil: Station I-5-A, Borehole #2, 0-6"	840925
830. ppb	I-5-A-0862-102-S-Y	Soil: Station I-5-A, Borehole #2, 12-24"	840925
20.9 ppb	I-5-A-0869-109-S-Y	Soil: Station I-5-A, Borehole #2, 13.5-15.2'	840925
350. ppb	I-7-K-1038-100-S-Y	Soil: Station I-7-K, Borehole #3, 0-6"	840928
59.3 ppb	I-7-K-1040-102-S-Y	Soil: Station I-7-K, Borehole #3, 12-24"	840928

80 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:41

PAGE 10

RESULTS	CLIENT #	SAM.DESC	SOFT 2
5.8 ppb	I-7-K-1047-109-S-Y	Soil: Station I-7-K, Borehole #3, 7-8.5'	840928
1033. ppb	I-7-K-1048-100-S-Y	ITAS Split of I-7-K-1038-100-S-Y	840928
326. ppb	A-2-G-1333-100-S-Y	Soil: Station A-2-G, 0-6", Near Surface Soil	841008
214. ppb	A-2-G-1335-102-S-Y	Soil: Station A-2-G, 12-24", Near Surface Soil	841008
462. ppb	A-2-G-1339-100-S-Y	ITAS Split of A-2-G-1333-100-S-Y	841008
143. ppb	B-2-M-1344-100-S-Y	Soil: Station B-2-M, 0-6", Near Surface Soil	841009
2.8 ppb	B-2-M-1346-102-S-Y	Soil: Station B-2-M, 12-24", Near Surface Soil	841009
0.012 ppb	A-3-C-1354-290-H-Y	Water: Station A-3-C, Well #6	841009
ND (0.008 ppb)	A-2-K-1355-290-H-Y	Water: Station A-2-K, Well #5	841009
0.016 ppb	D-1-F-1356-290-H-Y	Water: Station D-1-F, Well #7	841009
0.20 ppb	C-7-C-1357-290-H-Y	Water: Station C-7-C, Well #4	841009
0.72 ppb	F-7-B-1358-290-H-Y	Water: Station F-7-B, Well #8	841009
0.48 ppb	I-2-L-1359-290-H-Y	Water: Station I-2-L, Well #1	841009
7.9 ppb	I-5-A-1361-290-H-Y	Water: Station I-5-A, Well #2	841009
ND (0.005 ppb)	T032-1363-H-Y	Water: Trip Blank, Wells	841009
0.18 ppb	I-2-L-1371-290-H-Y	ITAS Split of I-2-L-1359-290-H-Y	841009
ND (0.004 ppb)	0-7-1-1378-290-H-Y	Water: Station 0-7-1, Passaic River	841009
58.6 ppb	H-1-H-1388-100-S-Y	Soil: Station H-1-H, 0-6", Near Surface Soil	841009
22.2 ppb	H-1-H-1390-102-S-Y	Soil: Station H-1-H, 12-24", Near Surface Soil	841009
28.5 ppb	H-5-F-1394-100-S-Y	Soil: Station H-5-F, 0-6", Near Surface Soil	841010
385. ppb	H-5-F-1396-102-S-Y	Soil: Station H-5-F, 12-24", Near Surface Soil	841010
153. ppb	E-1-G-1401-100-S-Y	Soil: Station E-1-G, 0-6", Near Surface Soil	841009
8.6 ppb	E-1-G-1403-102-S-Y	Soil: Station E-1-G, 12-24", Near Surface Soil	841009
3.6 ppb	D-4-N-1437-100-S-Y	Soil: Station D-4-N, 0-6", Inside Warehouse	841010
1.2 ppb	D-4-N-1439-102-S-Y	Soil: Station D-4-N, 12-24", Inside Warehouse	841010
361. ppb	G-5-F-1448-100-S-Y	Soil: Station G-5-F, Near Surface Soil	841012
229. ppb	G-5-F-1450-102-S-Y	Soil: Station G-5-F, 12-24", Near Surface Soil	841012
ND (0.002 ppb)	9900-1470-H-Y	Water: Program QC Blank	841019
3.6 ppb	C-6-B-1471-100-S-Y	Soil: Station C-6-B, 0-6", Near Surface Soil	841017
12.2 ppb	C-6-B-1473-102-S-Y	Soil: Station C-6-B, 12-24", Near Surface Soil	841017
1.8 ppb	C-6-B-1474-100-S-Y	ITAS Split of C-6-B-1471-100-S-Y	841017
0.39 ppb	A-4-F-1516-100-S-Y	Soil: Station A-4-F, 0-6", Near Surface Soil	841011
7.1 ppb	A-4-F-1518-102-S-Y	Soil: Station A-4-F, 12-24", Near Surface Soil	841011
29.5 ppb	H-7-H-1520-100-S-Y	Soil: Station H-7-H, 0-6", Near Surface Soil	841011
40.4 ppb	E-5-D-1541-100-S-Y	Soil: Station E-5-D, 0-6", Near Surface Soil	841012
10.8 ppb	E-5-D-1543-102-S-Y	Soil: Station E-5-D, 12-24", Near Surface Soil	841012
2390. ppb	H-2-H-1553-100-S-Y	Soil: Station H-2-H, 0-6", Near Surface Soil	841015
510. ppb	H-2-H-1555-102-S-Y	Soil: Station H-2-H, 12-24", Near Surface Soil	841015
221. ppb	G-5-E-1566-100-S-Y	Soil: Station G-5-E, 0-6", Near Surface Soil, B #10	841015
87.6 ppb	G-5-E-1568-102-S-Y	Soil: Station G-5-E, 12-24", Near Surface Soil, B #10	841015
1010. ppb	G-3-I-1576-100-S-Y	Soil: Station G-3-I, 0-6", Near Surface Soil	841015
26.0 ppb	G-3-I-1578-102-S-Y	Soil: Station G-3-I, 12-24", Near Surface Soil	841015
93.5 ppb	H-2-B-1598-100-S-Y	Soil: Station H-2-B, 0-6", Near Surface Soil	841016
177. ppb	H-2-B-1600-102-S-Y	Soil: Station H-2-B, 12-24", Near Surface Soil	841016
470. ppb	F-5-E-1604-100-S-Y	Soil: Station F-5-E, 0-6", Near Surface Soil, B #11	841017
19,500. ppb	F-5-E-1606-102-S-Y	Soil: Station F-5-E, 12-24", Near Surface Soil, B #11	841017
276. ppb	G-4-A-1627-100-S-Y	Soil: Station G-4-A, 0-6", Near Surface Soil	841022
1770. ppb	G-4-A-1629-102-S-Y	Soil: Station G-4-A, 12-24", Near Surface Soil	841022
695. ppb	A-5-G-1660-100-S-Y	Soil: Station A-5-G, 0-6", Near Surface Soil	841018
7.3 ppb	A-5-G-1662-102-S-Y	Soil: Station A-5-G, 12-24", Near Surface Soil	841018

90 Lister Ave FINAL Dioxin Results

PRODUCED ON 02/11/85 AT 17:41

PAGE 11

RESULTS	CLIENT #	SAM.DESC	SORT 2
226. ppb	H-7-H-1723-102-S-Y	Soil: Station H-7-H, 12-24", Near Surface Soil	841019
310. ppb	G-3-L-1742-100-S-Y	Soil: Station G-3-L, 0-6", Near Surface Soil	841022
33.4 ppb	G-3-L-1744-102-S-Y	Soil: Station G-3-L, 12-24", Near Surface Soil	841022
2.5 ppb	J-6-K-1764-100-S-Y	Soil: Station J-6-K, Near Surface Soil	841022
0.89 ppb	J-6-K-1766-102-S-Y	Soil: Station J-6-K, 12-24", Near Surface Soil	841023
9050. ppb	H-7-F-1775-100-S-Y	Soil: Station H-7-F, 0-6", Near Surface Soil	841024
200. ppb	H-7-F-1777-102-S-Y	Soil: Station H-7-F, 12-24", Near Surface Soil	841024
0.0086 ppb	A-3-C-1801-290-H-Y	Water: Station A-3-C, Well #6	841030
0.0059 ppb	A-2-K-1802-290-H-Y	Water: Station A-2-K, Well #5	841030
ND (0.024 ppb)	D-1-F-1803-290-H-Y	Water: Station D-1-F, Well #7	841030
0.74 ppb	C-7-C-1804-290-H-Y	Water: Station C-7-C, Well #4	841030
1.1 ppb	F-7-B-1805-290-H-Y	Water: Station F-7-B, Well #8	841030
0.56 ppb	I-2-L-1806-290-H-Y	Water: Station I-2-L, Well #1	841030
0.03 ppb	I-7-K-1807-290-H-Y	Water: Station I-7-K, Well #3	841030
4.3 ppb	I-5-A-1808-290-H-Y	Water: Station I-5-A, Well #2	841030
ND (0.007 ppb)	0-9-0-1809-290-H-Y	Water: Station 0-9-0, Passaic River	841030
ND (0.17 ppb)	9600-1812-100-S-Y	Background Surface Soil-Harrison Ave, ref: Spi #H0681	841025
ND (0.27 ppb)	9600-1813-100-S-Y	Background Surface Soil-Raymond Blvd, ref: spi #H0682	841025
ND (0.77 ppb)	9600-1814-100-S-Y	Background Surface Soil-Roanoke Ave, ref: spi #H0683	841025
ND (0.0031 ppb)	F114-1815-H-Y	Water: Field Blank-Well	841030
ND (0.005 ppb)	T050-1816-H-Y	Water: Trip Blank-Well	841030
1.2 ppb	9600-1832-100-S-Y	Background Soil Boring: Sherwin-Williams, 0-6"	841114
3.4 ppb	9600-1834-102-S-Y	Background Soil Boring: Sherwin-Williams, 12-24"	841116
ND (0.57 ppb)	9600-1841-109-S-Y	Background Soil Boring: Sherwin-Williams, 11-12.5'	84111A
ND (0.0036 ppb)	F117-1867-H-Y	Water: Field Blank	841214
ND (0.002 ppb)	T052-1868-H-Y	Water: Trip Blank	841214
ND (0.0018 ppb)	9650-1869-265-H-Y	Background Well Water--Deep Well	841214
ND (0.005 ppb)	9650-1870-290-H-Y	Background Well Water--Shallow Well	841214
ND (0.005 ppb)	9650-1874-265-H-Y	Background Well Water, Deep	850108
ND (0.005 ppb)	9650-1875-290-H-Y	Background Well Water, Shallow	850108
ND (0.009 ppb)	F119-1876-H-Y	Water: Field Blank for Off-Site Wells	850108
ND (0.005 ppb)	T053-1877-H-Y	Water: Trip Blank for Off-Site Wells	850108

2544 RECORDS EXAMINED ; 532 SELECTIONS QUALIFIED



APPENDIX  
**D**

APPENDIX D

APPENDIX D  
TABLE OF CONTENTS

	<u>PAGE</u>
LIST OF TANK SAMPLES	D-1

## List of Tank Samples from 80 Lister Ave.

C L I E N T  #	S A M P L E S C	S O R T  2
7006-0886-N-L	Tank #6, Bulk, very black liquid	840925
7007-0887-N-L	Tank #7, Bulk, golden red translucent liquid	840925
7008-0888-N-L	Tank #8, Bulk, rusty gray sediment solid	840925
7009-0889-N-L	Tank #9, Bulk, rusty sediment solid	840925
7010-0717-N-L	Tank #10, Bulk, brown wet sludge	840925
7011-0718-N-L	Tank #11, Bulk, rust and grey sediment solid	840925
7012-0719-N-L	Tank #12, Bulk, brown rusty sediment solid	840925
7013-0720-N-L	Tank #13, Bulk, brown rusty sediment solid	840925
7014-0846-N-L	Tank #14, Bulk, brown muddy liquid	840925
7015-0847-N-L	Tank #15, Bulk, liquid	840925
7016-1028-N-L	Tank #16, Bulk, yellowish brown sludge	840927
7017-1029-N-L	Tank #17, Bulk, orangish red and white solid	840927
7018-1112-N-L	Tank #18, Bulk, reddish brown solid sediment	841001
7019-1075-N-L	Tank #19, Bulk, dark brown rusty sludge	840928
7020-1076-N-L	Tank #20, Bulk, brown rusty liquid sludge	840928
7021-1030-N-L	Tank #21, Bulk, orangish red and white solid	840927
7022-1077-N-L	Tank #22, Bulk, brown sludge	840928
7023-1078-N-L	Tank #23, Bulk, clear oily liquid	840928
7024-1031-N-L	Tank #24, Bulk, rusty brown solid	840927
7025-1113-N-L	Tank #25, Bulk, pinkish white solid sediment	841001
7026-1081-N-L	Tank #26, Bulk, rusty metal chip solids	841001
7027-1114-N-L	Tank #27, Bulk, reddish brown oil	841001
7028-1115-N-L	Tank #28, Bulk, clear thick liquid	841001
7029-1116-N-L	Tank #29, Bulk, reddish brown sediment	841001
7030-1236-N-L	Tank #30, Wipe, bottom	841003
7031-1188-N-L	Tank #31, Bulk, brown crustalized translucent solid	841002
7032-1189-N-L	Tank #32, Bulk, bottom of vessel	841002
7033-1147-N-L	Tank #33, Bulk, rusty sediment solid	841003
7034-1190-N-L	Tank #34, Bulk, black tar	841002
7035-1191-N-L	Tank #35, Bulk, brown and black paste	841002
7036-1148-N-L	Tank #36, Bulk, rusty liquid	841003
7037-1206-N-L	Tank #37, Bulk, reddish brown sediment	841003
7038-1149-N-L	Tank #38, Bulk, rusty solid	841003
7039-1150-N-L	Tank #39, Wipe, 2500cm2	841003
7040-1151-N-L	Tank #40, Wipe, manhole	841002
7041-1192-N-L	Tank #41, Bulk, pink hardened clay	841002
7042-1152-N-L	Tank #42, Wipe, manhole	841002
7043-1237-N-L	Tank #43, Bulk, rusty metal solid	841003
7044-1205-N-L	Tank #44, Bulk, brownish orange moist solid	841003
7045-1200-N-L	Tank #45, Bulk, pink/red paste	841003
7046-1201-N-L	Tank #46, Bulk, rusty brown solid	841003
7047-1202-N-L	Tank #47, Bulk, brown sticky substance	841003
7048-1203-N-L	Tank #48, Bulk, rusty brown solid	841003
7049-1204-N-L	Tank #49, Wipe, glass/teflon lined	841003
7050-1225-N-L	Tank #50, Wipe, metal manhole	841003
7051-1226-N-L	Tank #51, Wipe, glass lined	841003

C L I E N T  #	S A M P L E S C	S O U R C E
7052-1227-N-L	Tank #52, Wipe, manhole	841003
7053-1228-N-L	Tank #53, Wipe, glass lined	841003
7054-1229-N-L	Tank #54, Wipe, metal manhole	841003
7055-1230-N-L	Tank #55, Wipe, glass lined	841003
7056-1238-N-L	Tank #56, Bulk, dry white powder	841003
7057-1258-N-L	Tank #57, Bulk, whitish grey solid	841004
7058-1259-N-L	Tank #58, Bulk, white chalky powder	841004
7059-1260-N-L	Tank #59, wipe, stainless steel	841004
7060-1261-N-L	Tank #60, Bulk, wipe powder	841004
7061-1262-N-L	Tank #61, Wipe, iron	841004
7062-1263-N-L	Tank #62, Wipe, glass lined	841004
7063-1264-N-L	Tank #63, Bulk, white powder	841004
7064-1265-N-L	Tank #64, Wipe, glass lined	841004
7065-1266-N-L	Tank #65, Wipe	841004
7066-1283-N-L	Tank #66, Bulk, clear liquid	841005
7067-1272-N-L	Tank #67, Wipe, glass lined	841004
7068-1324-N-L	Tank #68, Wipe, glass lined	841005
7069-1273-N-L	Tank #69, Wipe, glass lined	841004
7070-1274-N-L	Tank #70, Wipe, mixing tank	841004
7071-1275-N-L	Tank #71, Bulk, rusty powder	841004
7072-1276-N-L	Tank #72, Bulk, clear liquid with gel	841005
7073-1277-N-L	Tank #73, Bulk, brown grained sediment	841005
7074-1325-N-L	Tank #74, Bulk, pink viscous liquid	841005
7075-1278-N-L	Tank #75, Bulk, heavy black oily liquid	841005
7076-1279-N-L	Tank #76, Bulk, white papery material	841005
7077-1280-N-L	Tank #77, Bulk, white chalky powder	841005
7078-1343-N-L	Tank #78, Bulk, cauliflower crystalline solid	841008
7079-1281-N-L	Tank #79, Wipe, iron	841005
7080-1282-N-L	Tank #80, bulk, brownish white flakes	841005
7081-1326-N-L	Tank #81, Wipe, glass lined	841005
7082-1327-N-L	Tank #82, Bulk, rusty white powder	841005
7083-1350-N-L	Tank #83-A, Bulk, dry red powder	841008
7084-1351-N-L	Tank #84-A, Bulk, white grey ash	841008
7085-1328-N-L	Tank #85, Bulk, greyish white powder	841005
7086-1385-N-L	Tank #86, Bulk, redish brown metallic powder	841009
7087-1352-N-L	Tank #87, Bulk, yellowish white powder	841008
7088-1353-N-L	Tank #88, Bulk, rusty powder	841008
7089-1407-N-L	Tank #89, Bulk, rusty metal flakes	841009
7090-1386-N-L	Tank #90, Bulk, white grey thick liquid	841009
7091-1408-N-L	Tank #91, Bulk, rusty red sludge	841009
7092-1409-N-L	Tank #92, Bulk, grey ash	841009
7093-1443-N-L	Tank #93, Bulk, moist black soot	841010
7094-1410-N-L	Tank #94, Bulk, greyish green solid	841009
7095-1387-N-L	Tank #95, Bulk, redish brown powder	841009
7096-1424-N-L	Tank #96, Bulk, rusty solid	841010
7097-1425-N-L	Tank #97, Bulk, red brown powder	841010

## List of Tank Samples from 80 Lister Ave.

C L I E N T  #	S A M P L E S C	S O R T
7098-1445-N-L	Tank #98, Bulk, clear liquid	841010
7099-1426-N-L	Tank #99, Bulk, liquid	841010
7100-1446-N-L	Tank #100, Bulk, rusty dry flakes	841010
7101-1447-N-L	Tank #101, Bulk, brownish oil	841010
7103-1494-N-L	Tank #103, Bulk, red orange solids	841011
7104-1495-N-L	Tank #104, Bulk, clear liquid	841011
7106-1515-N-L	Tank #106, Bulk, grey black sediment	841011
7107-1496-N-L	Tank #107, Bulk, thick grey paste	841011
7108-1497-N-L	Tank #108, Bulk, red orange solid	841011
7109-1587-N-L	Tank #109, Bulk, rusty solid	841015
7110-1535-N-L	Tank #110, Bulk, rusty solid	841012
7111-1536-N-L	Tank #111, Wipe, glass lined	841012
7112-1523-N-L	Tank #112, Bulk, orange liquid	841011
7113-1486-N-L	Tank #113, Bulk, orange rusty flakes	841016
7114-1487-N-L	Tank #114, Bulk, dark rusty chips	841016
7115-1524-N-L	Tank #115, Bulk, red brown flakes	841011
7116-1633-N-L	Tank #116, Bulk, solids	841017
7117-1525-N-L	Tank #117, Wipe, glasslined	841011
7118-1526-N-L	Tank #118, Wipe, glass lined	841011
7119-1527-N-L	Tank #119, Wipe, glass lined	841011
7120-1528-N-L	Tank #120, Wipe, glass lined	841011
7121-1537-N-L	Tank #121, Bulk, black oily liquid	841012
7122-1488-N-L	Tank #122, Bulk, black greasy solids	841016
7123-1538-N-L	Tank #123, Bulk, white grey powder	841012
7124-1588-N-L	Tank #124, Bulk, thick rusty liquid	841015
7125-1589-N-L	Tank #125, Bulk, liquid with particulate	841015
7126-1539-N-L	Tank #126, Bulk, rusty brown solid	841012
7127-1540-N-L	Tank #127, Bulk, red crystals	841012
7128-1489-N-L	Tank #128, Bulk, brown sticky sludge	841016
7129-1548-N-L	Tank #129, Bulk, brown/black rusty solid	841012
7130-1616-N-L	Tank #130, Bulk, brown rusty solid	841017
7131-1617-N-L	Tank #131, Bulk, white grey solid	841017
7132-1634-N-L	Tank #132, Bulk, amber liquid	841017
7133-1618-N-L	Tank #133, Bulk, rusty chips and flakes	841017
7134-1619-N-L	Tank #134, Bulk, red orange solid	841017
7135-1620-N-L	Tank #135, Bulk, rusty brown powder	841017
7136-1635-N-L	Tank #136, Bulk, red rusty solid	841017
7137-1664-N-L	Tank #137, Bulk, tan grey solid	841018
7138-1636-N-L	Tank #138, Bulk, red rusty solid	841017
7139-1637-N-L	Tank #139, Bulk, red rusty solid	841017
7140-1665-N-L	Tank #140, Bulk, black wet sludge	841018
7141-1666-N-L	Tank #141, Bulk, orange rusty powder	841018
7142-1491-N-L	Tank #142, Bulk, oily liquid	841016

APPENDIX  
**E**

APPENDIX E



APPENDIX E  
TABLE OF CONTENTS

	<u>PAGE</u>
NEAR SURFACE SOILS - PRIORITY POLLUTANT ANALYSIS LEVELS AND DATA SHEETS	E-1
NEAR SURFACE SOILS - PRIORITY POLLUTANT ANALYSES: SEMI-QUANTITATIVE RESULTS	E-14
NEAR SURFACE SOILS - PRIORITY POLLUTANT ANALYSES: QUANTITATIVE RESULTS	E-56
INVENTORY OF NEAR SURFACE SAMPLES	E-245
SOIL AT DEPTH - PRIORITY POLLUTANT ANALYSES LEVELS AND DATA SHEETS	E-248
SOIL AT DEPTH - PRIORITY POLLUTANT ANALYSES: SEMI-QUANTITATIVE RESULTS	E-261
SOIL AT DEPTH - PRIORITY POLLUTANT ANALYSES: QUANTITATIVE RESULTS	E-286
INVENTORY OF BORING SOIL ARCHIVE SAMPLES	E-358

NEAR-SURFACE SOILS  
ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS

STATION	DEPTH (inches)	VOA	BASE/NEUTRAL/ACID	PESTICIDE	HERBICIDE
A-2-G	0-6	Low	Medium	Medium <sup>(1)</sup>	Low <sup>(2)</sup>
A-2-G	12-24	Low	Medium	Medium <sup>(3)</sup>	Low <sup>(2)</sup>
A-4-F	0-6	Low	Low	Low <sup>(7)</sup>	Low
A-4-F	12-24	Low	Medium	Medium <sup>(7)</sup>	Low
A-5G	0-6	Low	Low	Low <sup>(6)</sup>	Low <sup>(2)</sup>
A-5G	12-24	Low	Medium	Medium	Low
B-2-M	0-6	Low	Medium	Medium <sup>(4)</sup>	Low <sup>(2)</sup>
B-2-M	12-24	Low	Low	Low <sup>(5)</sup>	Low <sup>(2)</sup>
C-6-B	0-6	Low	Low	Low	Low
C-6-B	12-24	Medium <sup>(4)</sup>	Medium	Medium	Low <sup>(5)</sup>
D-4-N	0-6	Low	Low	Low <sup>(7)</sup>	Low
D-4-N	12-24	Low	Low	Low <sup>(7)</sup>	Low
E-1-G	0-6	Low	Low	Low <sup>(5)</sup>	Low
E-1-G	12-24	Low	Medium	Medium <sup>(4)</sup>	Low
E-5-D	0-6	Low	Medium	Medium <sup>(7)</sup>	Low <sup>(2)</sup>
E-5-D	12-24	Low	Low	Low <sup>(8)</sup>	Low <sup>(2)</sup>
F-5-E	0-6	Low	Low	Low <sup>(6)</sup>	Low <sup>(2)</sup>
F-5-E	12-24	Low	Medium	Medium <sup>(6)</sup>	Low <sup>(3)</sup>
G-3-I	0-6	Low	Low	Low <sup>(6)</sup>	Low <sup>(2)</sup>
G-3-I	12-24	Low	Low	Low <sup>(7)</sup>	Low <sup>(2)</sup>
G-3-L	0-6	Low	Low	Low <sup>(12)</sup>	Low <sup>(2)</sup>
G-3-L	12-24	Low	Low	Low <sup>(9)</sup>	Low <sup>(2)</sup>
G-4-A	0-6	Low	Low	Low <sup>(9)</sup>	Low <sup>(2)</sup>
G-4-A	12-24	Low	Medium	Medium <sup>(6)</sup>	Low <sup>(2)</sup>
G-5-E	0-6	Low	Low	Low <sup>(6)</sup>	Low <sup>(2)</sup>
G-5-E	12-24	Low	Low	Low <sup>(6)</sup>	Low <sup>(2)</sup>
G-5-F	0-6	Low	Low	Low <sup>(6)</sup>	Low <sup>(2)</sup>
G-5-F	12-24	Low	Medium	Medium <sup>(6)</sup>	Low <sup>(9)</sup>

NEAR-SURFACE SOILS  
(Continued)

STATION	DEPTH (inches)	VOA	BASE/NEUTRAL/ACID	PESTICIDE	HERBICIDE
H-1-H	0-6	Low	Low	Low <sup>(6)</sup>	Low <sup>(2)</sup>
H-1-H	12-24	Low	Low	Low <sup>(4)</sup>	Low
H-2-B	0-6	Low	Medium	Medium <sup>(4)</sup>	Low <sup>(9)</sup>
H-2-B	12-24	Low	Medium	Medium <sup>(9)</sup>	Low <sup>(9)</sup>
H-2-H	0-6	Low	Medium	Medium <sup>(6)</sup>	Low <sup>(6)</sup>
H-2-H	12-24	Low	Medium	Medium <sup>(6)</sup>	Low <sup>(10)</sup>
H-5-F	0-6	Low	Low	Low <sup>(6)</sup>	Low
H-5-F	12-24	Low	Medium	Low <sup>(7)</sup>	Low <sup>(2)</sup>
H-7-F	0-6	Medium	Medium <sup>(4)</sup>	Medium <sup>(1)</sup>	Low <sup>(11)</sup>
H-7-F	12-24	Low <sup>(4)</sup>	Medium	Medium <sup>(7)</sup>	Low <sup>(1)</sup>
H-7-H	0-6	Low	Low	Low <sup>(7)</sup>	Low <sup>(2)</sup>
H-7-H	12-24	Medium	Medium <sup>(7)</sup>	Medium <sup>(1)</sup>	Low <sup>(1)</sup>
J-6-K	0-6	Low	Low	Low <sup>(7)</sup>	Low <sup>(2)</sup>
J-6-K	12-24	Low	Low	Low	Low <sup>(2)</sup>

- ( 1) Further dilution 1:1000  
 ( 2) Further dilution 1:5  
 ( 3) Further dilution 1:500  
 ( 4) Further dilution 1:20  
 ( 5) Further dilution 1:40  
 ( 6) Further dilution 1:100  
 ( 7) Further dilution 1:10  
 ( 8) Further dilution 1:250  
 ( 9) Further dilution 1:50  
 (10) Further dilution 1:25  
 (11) Further dilution 1:10,000  
 (12) Further dilution 1:5000

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS  
Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
Data Release Authorized by: \_\_\_\_\_

Method  
Sample #: Distillation Limits  
% Moisture: N/A

Organics Analysis Data Sheet

Volatile Compounds

Level/Matrix: MEDIUM WATER  
QC Report #: \_\_\_\_\_  
Spl->Extract: 5ml DILUTED 1:1000  
Lab Std ID: \_\_\_\_\_  
Lab ID: METHOD D.L.  
Date Analyzed: \_\_\_\_\_

2V	acrolein	10,000u
3V	acrylonitrile	10,000u
4V	benzene	1,000u
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	
19V	2-chloroethylvinyl ether	10,000u
23V	chloroform	1,000u
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	
	acetone	10,000u
	2-butanone	10,000u
	carbon disulfide	1,000u
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	

U - Analyzed for but not detected  
(Reported Value is Detection Limit-DL)  
K - Detected below Quantitation Limit  
(Quantitation Limit is 10 x DL)

Pesticides

Level/Matrix: MEDIUM WATER  
QC Report #: \_\_\_\_\_  
Spl->Extract: 1ml -> 10ml  
Lab Std ID: \_\_\_\_\_  
Lab ID: METHOD D.L.  
Date Extracted: \_\_\_\_\_  
Date Analyzed: \_\_\_\_\_

Circle Units:	ug/Kg, (ug/L)	
89P	aldrin	1000u
90P	dieldrin	
91P	chlordane	1,000u
92P	4,4'-DDT	1000u
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	
106P	PCB-1242	1,000u
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	

Dioxin

Level/Matrix: MEDIUM WATER  
QC Report #: \_\_\_\_\_  
Spl->Extract: 1ml -> 1ml  
Lab Std ID: \_\_\_\_\_  
Lab ID: METHOD D.L.  
Date Extracted: \_\_\_\_\_  
Date Analyzed: \_\_\_\_\_

Circle Units:	ug/Kg, (ug/L)	
129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	7u

\*\* - Detected below GC/MS DL  
C - Confirmed by GC/MS-GC Quantitation  
N - Not Confirmed by GC/MS-GC/MS DL  
NA - Not Analyzed  
NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
 Data Release Authorized by: Linda R. Kuehnberger

Sample #: METHOD  
 x Moisture: DETECTION LIMITS  
N/A

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds  
 Level/Matrix: MEDIUM WATER  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: Top -> Bot  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, (ug/L)

21A	2,4,6-trichlorophenol	1000 U	42B	bis(2-chloroisopropyl)ether	1000 U
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	dimethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(a,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine (as azobenzene)		84B	pyrene	
39B	fluoranthene			aniline	
40B	4-chlorophenyl phenyl ether			benzyl alcohol	
41B	4-bromophenyl phenyl ether	✓		4-chloroaniline	
				dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	✓

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 K - Detected below quantitation Limit  
 (Quantitation Limit is 10 x DL)  
 NA - Not Analyzed  
 NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
 Data Release Authorized by: Wanda R. Kuntze

Sample #: Method  
 % Moisture: DETECTION LIMITS  
N/A

## Organics Analysis Data Sheet

## Volatile Compounds

Level/Matrix: low WATER  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: Method D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, (ug/L)

2V	acrolein	10U
3V	acrylonitrile	10U
4V	benzene	1U
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	↓
19V	2-chloroethylvinyl ether	10U
23V	chloroform	1U
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	↓
	acetone	10U
	2-butanone	10U
	carbon disulfide	1U
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	↓

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 X - Detected below Quantitation Limit  
 (Quantitation Limit is 10 x DL)

## Pesticides

Level/Matrix: low WATER  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 10 → 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: Method D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, (ug/L)

89P	aldrin	0.1U
90P	dieldrin	↓
91P	chlordane	1U
92P	4,4'-DDT	0.1U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	↓
106P	PCB-1242	1U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	↓

## Dioxin

Level/Matrix: low WATER  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1ml → 1ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: Method D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, (ug/L)

129B 2,3,7,8-tetrachloro-  
 dibenzo-p-dioxin 0.001U

•• - Detected below GC/MS DL  
 C - Confirmed by GC/MS-GC Quantitation  
 N - Not Confirmed by GC/MS-GC/MS DL  
 NA - Not Analyzed  
 NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ % Moisture: DETECTION LIMITS  
 Data Release Authorized by: Wanda R. Kistner

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds

Level/Matrix: LOW WATER

QC Report #: \_\_\_\_\_

Spl->Extract: 10 -> 2 ml

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg, ug/L

21A	2,4,6-trichlorophenol	2U	42B	bis(2-chloroisopropyl)ether	2U
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	diethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(a,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine (as azobenzene)		84B	pyrene	
39B	fluoranthene			aniline	
40B	4-chlorophenyl phenyl ether			benzyl alcohol	
41B	4-bromophenyl phenyl ether			4-chloroaniline	
				dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	↓

U - Analyzed for but not detected  
(Reported Value is Detection Limit-DL)

K - Detected below quantitation Limit  
(Quantitation Limit is 10 x DL)

NA - Not Analyzed

NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ \* Moisture: DIRECTIONAL LIMITS  
 Data Release Authorized by: Linda P. [unclear]

Organics Analysis Data Sheet

Volatile Compounds

Level/Matrix: Low Soil  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1.0g -> 5ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg ug/L

2V	acrolein	SCU
3V	acrylonitrile	SCU
4V	benzene	SCU
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	
19V	2-chloroethylvinyl ether	SCU
23V	chloroform	SCU
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	
	acetone	SCU
	2-butanone	SCU
	carbon disulfide	SCU
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 K - Detected below Quantitation Limit  
 (Quantitation Limit is 10 x DL)

Pesticides

Level/Matrix: Low Soil  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 5.0g -> 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg ug/L

89P	aldrin	SCU
90P	dieldrin	
91P	chlordane	SCU
92P	4,4'-DDT	SCU
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	
106P	PCB-1242	SCU
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	

Dioxin

Level/Matrix: Low Soil  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 5.0g -> 1ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg ug/L

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	SCU
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•• - Detected below GC/MS DL  
 C - Confirmed by GC/MS-GC Quantitation  
 N - Not Confirmed by GC/MS-GC/MS DL  
 NA - Not Analyzed  
 NR - Not Reported



Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ % Moisture: DETECTION LIMITS  
 Data Release Authorized by: Kimberly R. Kueferberger N/A

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds

Level/Matrix: LOW SOIL

QC Report #: \_\_\_\_\_

Spl->Extract: 50.0g -> 10ml

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg ug/L

21A	2,4,6-trichlorophenol	2000	42B	bis(2-chloroisopropyl)ether	2000
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	diethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(s,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine (as azobenzene)		84B	pyrene	
39B	fluoranthene			aniline	
40B	4-chlorophenyl phenyl ether			benzyl alcohol	
41B	4-bromophenyl phenyl ether	✓		4-chloroaniline	
				dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	✓

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 K - Detected below quantitation Limit  
 (Quantitation Limit is 10 x DL)  
 NA - Not Analyzed  
 NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / UCTS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
 Data Release Authorized by: [Signature]

Sample #: METHOD DETECTION LIMITS  
 \* Moisture: N/A

Organics Analysis Data Sheet

Volatile Compounds

Level/Matrix: MEDIUM SOIL  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1.0g -> 5ml; 5ml -> 5ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

2V	acrolein	5,000U
3V	acrylonitrile	5,000U
4V	benzene	500U
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	↓
19V	2-chloroethylvinyl ether	5,000U
23V	chloroform	500U
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	↓
	acetone	5,000U
	2-butanone	5,000U
	carbon disulfide	500U
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	↓

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 K - Detected below Quantitation Limit  
 (Quantitation Limit is 10 x DL)

Pesticides

Level/Matrix: MEDIUM SOIL  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 0.2g -> 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

89P	aldrin	500U
90P	dieldrin	↓
91P	chlordan	5,000U
92P	4,4'-DDT	500U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	↓
106P	PCB-1242	5,000U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	↓

Dioxin

Level/Matrix: MEDIUM SOIL  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 0.2g -> 1ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	40U
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•• - Detected below GC/MS DL  
 C - Confirmed by GC/MS-GC Quantitation  
 N - Not Confirmed by GC/MS-GC/MS DL  
 NA - Not Analyzed  
 NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD DETECTION LIMITS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ % Moisture: N/A  
 Data Release Authorized by: Linda R. K. [Signature]

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds  
 Level/Matrix: MEDIUM SOIL  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 2.0g -> 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

21A	2,4,6-trichlorophenol	5,000u	42B	bis(2-chloroisopropyl)ether	5,000u
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	dimethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(a,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine (as azobenzene)		84B	pyrene	
39B	fluoranthene			aniline	
40B	4-chlorophenyl phenyl ether			benzyl alcohol	
41B	4-bromophenyl phenyl ether			4-chloroaniline	
				dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 K - Detected below quantitation limit  
 (Quantitation Limit is 10 x DL)  
 NA - Not Analyzed  
 NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS  
Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
Data Release Authorized by: Linda K. Kunkelberger

Method  
Sample #: DETECTION LIMITS  
% Moisture: N/A

Organics Analysis Data Sheet

Volatile Compounds

Level/Matrix: HIGH EXTRACT

QC Report #: \_\_\_\_\_

Spl->Extract: 1g -> 10ml, 50ml -> 5ml

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg, ug/L

2V	acrolein	10,000U
3V	acrylonitrile	10,000U
4V	benzene	1,000U
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloroethyl)ether	
19V	2-chloroethylvinyl ether	10,000U
23V	chloroform	1,000U
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	
	acetone	10,000U
	2-butanone	10,000U
	carbon disulfide	1,000U
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	

U - Analyzed for but not detected  
(Reported Value is Detection Limit-DL)  
K - Detected below Quantitation Limit  
(Quantitation Limit is 10 x DL)

Pesticides

Level/Matrix: HIGH EXTRACT

QC Report #: \_\_\_\_\_

Spl->Extract: 1.0g -> 10ml

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg, ug/L

89P	aldrin	100U
90P	dieldrin	
91P	chlordan	1,000U
92P	4,4'-DDT	100U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	
106P	PCB-1242	1,000U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	

Dioxin

Level/Matrix: HIGH EXTRACT

QC Report #: \_\_\_\_\_

Spl->Extract: 1g -> 10ml, 5ml -> 1ml

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg, ug/L

129B 2,3,7,8-tetrachloro-dibenzo-p-dioxin 20U

\*\* - Detected below GC/MS DL  
C - Confirmed by GC/MS-GC Quantitation  
N - Not Confirmed by GC/MS-GC/MS DL  
NA - Not Analyzed  
NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD DETECTION LIMITS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ % Moisture: N/A  
 Data Release Authorized by: Linda R. K. [Signature]

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds  
 Level/Matrix: HIGH EXTRACT  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1.0g -> 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

21A	2,4,6-trichlorophenol	10,000 U	42B	bis(2-chloroisopropyl)ether	10,000 U
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	dimethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(a,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine (as azobenzene)		84B	pyrene	
39B	fluoranthene			aniline	
40B	4-chlorophenyl phenyl ether			benzyl alcohol	
41B	4-bromophenyl phenyl ether	V		4-chloroaniline	
				dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	↓

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 K - Detected below quantitation Limit  
 (Quantitation Limit is 10 x DL)  
 NA - Not Analyzed  
 NR - Not Reported

Herbicide  
Method

Sample #: Detection Limits

Laboratory: IT/Cerritos  
Sample Matrix: Soil  
Data Release Authorized by: ASBenn  
pH: NA

Case #/SAS #: -  
Contract #: -  
Date Rec'd: -  
\* Moisture: NA  
\* Moisture (Decanted): NA

Organics Analysis Data Sheet  
Chlorinated Herbicides

Sample Level: Low  
Date Extracted: -  
Date Analyzed: -  
Spl->Extract: 10g -> 10mL  
Lab Std ID: ( ) -  
Lab ID: Method D.L.  
QC Report #: -

ALL RESULTS ARE REPORTED  
ON WET WEIGHT BASIS.

		Circle Units: <u>ug/Kg</u> ug/L	
75-99-0	2,2-Dichloropropionic Acid	Dalapon (Downon)	<u>1000</u>
1918-00-9	2-Methoxy-3,6-dichlorobenzoic Acid	Dicamba	<u>600</u>
7085-19-0	2-(4-Chloro-2-methylphenoxy)propionic Acid	MCPP	<u>30000</u>
94-74-6	(4-Chloro-2-methylphenoxy)acetic Acid	MCPA	<u>30000</u>
120-36-5	2-(2,4-Dichlorophenoxy)propionic Acid	Dichloroprop (2,4-DP)	<u>1000</u>
94-75-7	2,4-Dichlorophenoxyacetic Acid	2,4-D	<u>1000</u>
93-72-1	2-(2,4,5-Trichlorophenoxy)propionic Acid	2,4,5-TP (Silvex)	<u>600</u>
93-76-5	2,4,5-Trichlorophenoxyacetic Acid	2,4,5-T	<u>900</u>
94-82-6	4-(2,4-Dichlorophenoxy)butyric Acid	2,4-DB	<u>1000</u>
88-85-7	2-(sec-Butyl)-4,6-dinitrophenol	Dinoseb (DNBP)	<u>900</u>
85-34-7	2,3,6-Trichlorophenylacetic Acid	Fenac	<u>NA</u>

- U - Analyzed for but not detected. (Reported Value is Detection Limit-DL)
- \*\* - Detected below GC/MS DL
- C - Confirmed by GC/MS-GC Quantitation
- N - Not Confirmed by GC/MS-GC/MS DL
- B - Compound found in Blank. Sample results are not Blank Corrected.
- NA - Not Analyzed
- NR - Not Reported

**NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: **STATION A-2-C, 0-6"**

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
----	Unknown	30000.ug/Kg
----	DDT Isomer	600000.ug/Kg
50-29-3	4,4'-DDT	1000000.ug/Kg

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

**NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: STATION A-2-G, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	
<b>BASE/NEUTRAL/ACIDS:</b>		
----	Unknown	30000.ug/Kg
----	Unknown	60000.ug/Kg
----	A Chlorinated Diphenylmethane	40000.ug/Kg
----	A Chlorinated Diphenylmethane	80000.ug/Kg
----	A DDT Isomer	500000.ug/Kg
50-29-3	4,4'-DDT	2000000.ug/Kg

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





NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION A-4-P. 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	
<u>BASE/NEUTRAL/ACIDS:</u>		
72-54-8	4,4'-DDD	90000 ug/Kg
50-79-3	4,4'-DDT	600000 ug/Kg

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



NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION A-5-G, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
----	Unknown	100000 ug/Kg
----	A PNA	50000 ug/Kg

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

NEAR SURFACE SOILS  
 TENTATIVELY IDENTIFIED COMPOUNDS  
 SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION B-2-M, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	
<b>BASE/NEUTRAL/ACIDS:</b>		
----	A Tetrachlorobenzene Isomer	2000000.ug/Kg
----	DDT Isomer	40000.ug/Kg

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

NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION R-2-M, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	
<u>BASE/NEUTRAL/ACIDS:</u>		
----	DDT and/or DDD Isomer	6000 ug/Kg

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



NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION C-6-R, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
589-81-1	3-Methylheptane	200000.ug/Kg
592-27-8	2-Methylheptane	100000.ug/kg
<u>BASE/NEUTRAL/ACIDS:</u>		
108-88-3	Toluene	500000.ug/kg
111-65-9	Octane	80000.ug/kg
108-90-7	Chlorobenzene	50000.ug/Kg
----	Xylene Isomer	100000.ug/Kg

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



NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION D-4-N, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	

<b>BASE/NEUTRAL/ACIDS:</b>		
----	DDT and/or DDD Isomers	1000.ug/Kg
50-29-3	4,4'-DDT	3000.ug/Kg

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



NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION E-1-G, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
110-54-3	Hexane	30.ug/Kg
<u>BASE/NEUTRAL/ACIDS:</u>		
----	A DDD Isomer	4000.ug/Kg
----	DDT or DDD Isomers	4000.ug/Kg
----	Unknown	2000.ug/Kg
----	DDT Isomer	3000.ug/Kg

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



NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION E-5-D, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	

<b>BASE/NEUTRAL/ACIDS:</b>		
----	DDD or DDT Isomer	20000.ug/Kg
50-29-3	4,4'-DDT	50000.ug/Kg

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

NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION E-5-D, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	

BASE/NEUTRAL/ACIDS:

108-90-7	Chlorobenzene	1000.ug/Kg
----	A Methylphenanthrene Isomer	3000.ug/Kg
----	A Methylphenanthrene Isomer	2000.ug/Kg
----	A Phenylanthralene Isomer	2000.ug/Kg
80-33-1	Ovex	6000.ug/Kg
----	A DDD Isomer	3000.ug/Kg
----	DDD and/or DDT Isomers	10000.ug/Kg
50-29-3	4,4'-DDT	10000.ug/Kg

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

NEAR SURFACE SOILS  
 TENTATIVELY IDENTIFIED COMPOUNDS  
 SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION P-5-E, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
----	Tetrachlorobenzene (isomer)	2000.ug/Kg
----	Unknown	2000.ug/Kg
----	Trichloro-4-methoxy benzene (isomer)	2000.ug/kg
----	Hydrocarbon	2000.ug/kg
----	Unknown	6000.ug/Kg
1928-43-4	2-Ethylhexylester of 2,4-D	10000.ug/Kg
53-19-0	1-Chloro-2-(2,2-Dichloro-1-(4-Chloro-	
	phenyl)Ethylbenzene	10000.ug/Kg
----	Hydrocarbon	10000.ug/kg

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





NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION G-3-I, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	
<b>BASE/NEUTRAL/ACIDS:</b>		
----	Unknown	2000 ug/Kg
----	Unknown	4000 ug/Kg
----	DDT and/or DDD Isomer	6000 ug/Kg
50-29-3	4,4'-DDT	20000 ug/Kg

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

NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION G-3-I, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	
<u>BASE/NEUTRAL/ACIDS:</u>		
----	Unknown	3000 ug/Kg

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

**NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

**SAMPLE ID:**    STATION G-3-L, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
108-90-7	Chlorobenzene	10000.ug/Kg
7094-34-0	bis(3-chlorophenyl)methanone	5000.ug/Kg
10544-50-0	Sulfur (S8)	2000.ug/Kg
----	Unknown	3000.ug/Kg
72-55-9	4,4'-DDE	3000.ug/Kg
----	Unknown	4000.ug/Kg
80-33-1	Ovex	20000.ug/Kg
----	DDD isomer	100000.ug/kg
1022-22-6	1,1'-(Chloroethenyldiene)-bis[4-Chloro]	
	benzene	20000.ug/Kg
----	DDD Isomer	100000.ug/Kg
----	DDD and/or DDT isomer	10000.ug/Kg
50-29-3	4,4'-DDT	200000.ug/Kg
----	Unknown	10000.ug/Kg

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





NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION G-4-A, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	

BASE/NEUTRAL/ACIDS:

	NONE FOUND	

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

NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION G-5-E, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
50-29-3	4,4'-DDT	3000 ug/Kg

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

NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION G-5-E, 12-24"

GAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
50-29-3	4,4'-DDT	4000 ug/Kg

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



NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE 10: STATION G-5-F, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	

**BASE/NEUTRAL/ACIDS:**

---	DDT and/or DDD Isomers	3000.ug/Kg
50-29-3	4,4'-DDT	4000.ug/Kg

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



NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION H-1-H, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
----	Unknown	3000 .ug/Kg
----	Unknown	2000 .ug/Kg
----	A DDD Isomer	5000 .ug/Kg
----	A DDT and/or A DDD Isomer	10000 .ug/Kg
----	Unknown	10000 .ug/Kg
----	DDT Isomer	20000 .ug/Kg

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

NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION H-1-H, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	

BASE/NEUTRAL/ACIDS:

----	DDT and/or DDD Isomer	4000 ug/Kg.

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

NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION H-2-R, 0-6"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	
<u>BASE/NEUTRAL/ACIDS:</u>		
79-34-5	1,1,2,2-Tetrachloroethane	40000 ug/kg
----	A Tetrachlorobenzene Isomer	20000 ug/Kg
----	Unknown	100000 ug/Kg
----	Unknown	100000 ug/Kg
90-98-2	Bis(4-Chlorophenyl)-Methanone	30000 ug/Kg
----	DDD and/or DDT Isomers	100000 ug/Kg
50-29-3	4,4'-DDT	400000 ug/kg

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

NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION H-2-B, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	
<b>BASE/NEUTRAL/ACIDS:</b>		
608-93-5	Pentachlorobenzene	30000 ug/Kg
----	Unknown	20000 ug/Kg
54965-02-5	1,4-Dichloro-2-(2-Chloroethyl)-Benzene	20000 ug/kg
----	Unknown	30000 ug/Kg
----	Unknown	30000 ug/Kg
----	Unknown	300000 ug/Kg
----	Unknown	400000 ug/kg
----	DDD and/or DDT Isomers	700000 ug/kg
50-29-3	4,4'-DDT	1000000 ug/kg

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



NEAR SURFACE SOILS  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION H-2-H, 12-24"

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
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VOLATILES:

	NONE FOUND	

BASE/NEUTRAL/ACIDS:

----	DDD isomer	100000.ug/Kg
----	DDT and/or DDD isomer	300000.ug/Kg
----	DDT and/or DDD isomer	300000.ug/Kg
50-29-3	4,4'-DDT	1000000.ug/Kg

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





















NEAR SURFACE SOILS - STATION A-2-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	326 ppb	330 ppb	214 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	2.3 ppb	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	38 ppb	-

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

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

NEAR SURFACE SOILS - STATION A-2-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	120	-	110
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	-	210*
78-93-3	2-Butanone	ND	-	51*
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS - STATION A-2-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <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

NEAR SURFACE SOILS - STATION A-2-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	110000	-	620000
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	-	9400*
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

NEAR SURFACE SOILS - STATION A-2-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	ND	-	ND
85-68-7	Butyl benzyl phthalate	ND	-	ND
84-74-2	Di-N-butyl phthalate	ND	-	37000*
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	-	7100*
50-32-8	Benzo(A)pyrene	ND	-	ND
205-99-2	Benzo(B)fluor- anthene	ND	-	9200*
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS - STATION A-2-G  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	-	16000*
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	-	9700*
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	-	13000*
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

NEAR SURFACE SOILS - STATION A-2-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	3,500,000	-	5,090,000
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

NEAR SURFACE SOILS - STATION A-2-G  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	16000	-	7400
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	-	3900
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	2000	-	880
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	-	2.4
	Arsenic	11	-	12
	Beryllium	<0.1	-	<0.1
	Cadmium	0.9	-	26
	Chromium	38	-	27
	Copper	260	-	100
	Lead	490	-	550
	Mercury	8.2	-	5.4
	Nickel	82	-	22
	Selenium	<0.6	-	<0.6



NEAR SURFACE SOILS - STATION A-2-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	0.5	-	0.3
	Thallium	<2	-	<2
	Zinc	29000	-	340
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.62	-	1.1
	Total Phenols	3.2	-	7.5

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D255A-PRS-13.1 to 13.9

NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.39 ppb	1.2 ppb	7.1 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-

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

71-43-2	Benzene	ND	-	11*
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

NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	130	-	740
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	-	9*
79-01-6	Trichloroethene	ND	-	ND
75-01-4	Vinyl chloride	ND	-	ND
67-64-1	Acetone	280	-	430
78-93-3	2-Butanone	130	-	230
75-15-0	Carbon disulfide	ND	-	7*

NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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

NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	230*	-	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

NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	1000**	-	210000
72-55-9	4,4'-DDE	ND	-	37000**
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



NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	-	420
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	740	-	590
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	160	-	860
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	-	0.14
	Arsenic	2.4	-	3.6
	Beryllium	<0.2	-	0.25
	Cadmium	<0.1	-	0.09
	Chromium	15	-	8.8
	Copper	10	-	45
	Lead	19	-	101
	Mercury	<0.1	-	0.4
	Nickel	3.7	-	7.1
	Selenium	<0.1	-	<0.1

NEAR SURFACE SOILS: STATION A-4-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	1.2	-	0.25
	Thallium	<2	-	<2
	Zinc	69	-	104
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.40	-	0.46
	Total Phenols	0.65	-	0.30

D255B-PRS-36.1 to 36.9

NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	695 ppb	453 ppb	7.3 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	ND (0.66 ppb)	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	4.8 ppb	-

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

NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	14*	-	64
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	-	68*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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-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	870*	-	ND

NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	250*	-	ND
92-87-5	Benzidine	ND	-	ND
120-82-1	1,2,4-Trichlorobenzene	1500*	-	ND
118-74-1	Hexachlorobenzene	17000	-	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	520*	-	ND
541-73-1	1,3-Dichlorobenzene	ND	-	ND
106-46-7	1,4-Dichlorobenzene	550*	-	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	6100	-	64000
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

NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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	4700	-	47000*
50-32-8	Benzo(A)pyrene	4800	-	44000*
205-99-2	Benzo(B)fluoranthene	7100	-	71000
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	12000	-	120000
208-96-8	Acenaphthylene	210*	-	ND
120-12-7	Anthracene	1100*	-	ND
191-24-2	Benzo(GHI)perylene	3500	-	32000*
86-73-7	Fluorene	320*	-	ND
85-01-	Phenanthrene	4100	-	61000
53-70-3	Dibenzo(A,H) anthracene	ND	-	ND
193-39-5	Indeno(1,2,3-CD)pyrene	2500	-	21000*
129-00-0	Pyrene	7800	-	78000
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



NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	72000	-	ND
72-55-9	4,4'-DDE	20000	-	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

NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in µg/kg)</u>				
75-99-0	Dalapon (Dowpon)	2400	-	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	-	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	4.2	-	0.48
	Arsenic	0.13	-	2.5
	Beryllium	0.85	-	0.73
	Cadmium	1.6	-	1.5
	Chromium	39	-	21
	Copper	135	-	71
	Lead	484	-	646
	Mercury	3.0	-	1.6
	Nickel	33	-	12
	Selenium	<0.3	-	<0.8

NEAR SURFACE SOILS: STATION A-5-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	1900	-	684
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.82	-	0.99
	Total Phenols	1.6	-	0.51

D255B-PRS-37.1 to 37.9

NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	143 ppb	11.1 ppb	2.8 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	ND (0.36 ppb)
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	ND (0.88 ppb)

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-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

NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	76	-	74
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	58*	-	180*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu</math>g/kg)</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

NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	17000*	-	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

NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND



NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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/kg)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	150000	-	1800**
72-55-9	4,4'-DDE	ND	-	1500**
72-54-8	4,4'-DDD	ND	-	2300
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

NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	870	-	190
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	1500	-	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	0.7	-	<0.1
	Arsenic	3.0	-	0.6
	Beryllium	<0.1	-	<0.1
	Cadmium	0.3	-	0.2
	Chromium	22	-	6.3
	Copper	66	-	16
	Lead	200	-	12
	Mercury	7.8	-	<0.1
	Nickel	27	-	6.3
	Selenium	<0.5	-	<0.4

NEAR SURFACE SOILS: STATION B-2-M  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	190	-	220
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.39	-	0.29
	Total Phenols	1.74	-	0.84

D255C-PRS-20.1 to 20.9

NEAR SURFACE SOILS: STATION C-6-B  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	3.6 ppb	87.5 ppb	12.2 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-

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

71-43-2	Benzene	ND	-	23000*
56-23-5	Carbon tetrachloride	ND	-	ND
108-90-7	Chlorobenzene	ND	-	170000
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	-	38000*
75-35-4	1,1-Dichloroethene	ND	-	ND
156-60-5	trans-1,2-Dichloroethene	ND	-	ND

NEAR SURFACE SOILS: STATION C-6-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	-	60000*
75-09-2	Methylene chloride	54	-	130000
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	-	36000*
108-88-3	Toluene	ND	-	2000000
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

NEAR SURFACE SOILS: STATION C-6-R  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	-	36000*
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	-	310000
<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	-	27000*
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

NEAR SURFACE SOILS: STATION C-6-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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



NEAR SURFACE SOILS: STATION C-6-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	1300*	-	7100*
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

NEAR SURFACE SOILS: STATION C-6-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION C-6-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	-	1400**
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

NEAR SURFACE SOILS: STATION C-6-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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 <sup>a</sup>	-	ND
120-36-5	Dichloroprop (2,4-DP)	ND	-	ND
94-75-7	2,4-D	ND	-	5600
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	ND	-	880
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	-	0.21
	Arsenic	0.82	-	3.7
	Beryllium	<0.2	-	<0.2
	Cadmium	0.12	-	0.08
	Chromium	3.1	-	6.0
	Copper	12	-	55
	Lead	2.0	-	21
	Mercury	<0.1	-	0.89
	Nickel	5.3	-	11
	Selenium	<0.1	-	0.12

NEAR SURFACE SOILS: STATION C-6-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	1.0
	Thallium	<2	-	<2
	Zinc	43	-	66
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.20	-	0.17
	Total Phenols	0.69	-	46

<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.)

D255C-PRS-29.1 to 29.9

NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	3.6 ppb	2.3 ppb	1.2 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-

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

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-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

NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	24*	-	28*
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	180*	-	ND
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu</math>g/kg)</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



NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	780*	-	2000
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

NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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/kg)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	5800	-	1400**
72-55-9	4,4'-DDE	440**	-	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

NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu</math>g/kg)</u>				
75-99-0	Dalapon (Dowpon)	190	-	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	280	-	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	2.2	-	3.3
	Beryllium	<0.2	-	<0.2
	Cadmium	<0.1	-	<0.1
	Chromium	4.8	-	3.9
	Copper	4.6	-	2.0
	Lead	1.8	-	<1
	Mercury	0.27	-	<0.1
	Nickel	<1	-	<1
	Selenium	<0.2	-	<0.1

NEAR SURFACE SOILS: STATION D-4-N  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	0.45	-	<0.2
	Thallium	<2	-	<2
	Zinc	25	-	8.0
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	1.10	-	<0.5
	Total Phenols	1	-	1.5

D255C-PRS-23.1 to 23.9

NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	153 ppb	4.2 ppb	8.6 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

NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	92	-	83
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



NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu</math>g/kg)</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

NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	330*	-	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

NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	250*	-	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	400*	-	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

NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	11300	-	ND
72-55-9	4,4'-DDE	ND	-	ND
72-54-8	4,4'-DDD	1700	-	100000
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

NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	0.2	-	<0.1
	Arsenic	1.4	-	2.1
	Beryllium	<0.1	-	<0.1
	Cadmium	3.9	-	0.3
	Chromium	15	-	16
	Copper	41	-	250
	Lead	54	-	24
	Mercury	14	-	<0.1
	Nickel	15	-	6.5
	Selenium	<0.4	-	<0.5

NEAR SURFACE SOILS: STATION E-1-G  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	170	-	90
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.28	-	0.13
	Total Phenols	0.17	-	0.36

D255C-PRS-21.1 to 21.9

NEAR SURFACE SOILS: STATION E-5-D  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	40.4 ppb	14.4 ppb	10.8 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	-	27*
56-23-5	Carbon tetrachloride	ND	-	ND
108-90-7	Chlorobenzene	ND	-	68
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



NEAR SURFACE SOILS: STATION E-5-D  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	26*	-	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	250*	-	1100
78-93-3	2-Butanone	ND	-	96*
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION E-5-D  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu</math>g/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

NEAR SURFACE SOILS: STATION E-5-D  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	88000	-	17000
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	-	610*
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	-	3600
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

NEAR SURFACE SOILS: STATION E-5-D  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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	-	2300
50-32-8	Benzo(A)pyrene	ND	-	2300
205-99-2	Benzo(B)fluoranthene	ND	-	3100
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION E-5-D  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	-	6400
208-96-8	Acenaphthylene	ND	-	240*
120-12-7	Anthracene	ND	-	1200*
191-24-2	Benzo(GHI)perylene	ND	-	ND
86-73-7	Fluorene	ND	-	250*
85-01-	Phenanthrene	ND	-	4300
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	-	3700
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	-	450*
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

NEAR SURFACE SOILS: STATION E-5-D  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	41000**	-	20000
72-55-9	4,4'-DDE	7300**	-	9600
72-54-8	4,4'-DDD	13000**	-	31000
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

NEAR SURFACE SOILS: STATION E-5-D  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	3600	-	4900
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	580	-	490
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	-	0.77
	Arsenic	19	-	41
	Beryllium	0.56	-	0.84
	Cadmium	1.8	-	1.3
	Chromium	50	-	20
	Copper	219	-	118
	Lead	510	-	630
	Mercury	0.4	-	0.6
	Nickel	78	-	32
	Selenium	<0.5	-	<0.2

NEAR SURFACE SOILS: STATION E-5-D  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	1100	-	1300
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	3.9	-	0.77
	Total Phenols	4.5	-	5.2

D255C-PRS-18.1 to 18.9



NEAR SURFACE SOILS: STATION F-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	470 ppb	394 ppb	19500 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	10.6 ppb	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	10 ppb	-

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

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

NEAR SURFACE SOILS: STATION F-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	54	-	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	-	7*
79-01-6	Trichloroethene	ND	-	ND
75-01-4	Vinyl chloride	ND	-	ND
67-64-1	Acetone	290*	-	230*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION F-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	3300	-	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	-	ND
95-57-8	2-Chlorophenol	ND	-	ND
120-33-2	2,4-Dichlorophenol	8900	-	26000*
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	4200	-	1700000

NEAR SURFACE SOILS: STATION F-5-E  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	8600	-	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	230*	-	ND
541-73-1	1,3-Dichlorobenzene	ND	-	ND
106-46-7	1,4-Dichlorobenzene	470*	-	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	1500*	-	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

NEAR SURFACE SOILS: STATION F-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	200*	-	8200*
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	-	5100*
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	1500*	-	ND
50-32-8	Benzo(A)pyrene	1900*	-	ND
205-99-2	Benzo(B)fluor- anthene	2100	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION F-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	-	ND
208-96-8	Acenaphthylene	ND	-	ND
120-12-7	Anthracene	310*	-	ND
191-24-2	Benzo(GHI)perylene	3300	-	ND
86-73-7	Fluorene	ND	-	ND
85-01-	Phenanthrene	910*	-	ND
53-70-3	Dibenzo(A,H) anthracene	ND	-	ND
193-39-5	Indeno(1,2,3-CD)pyrene	2200	-	ND
129-00-0	Pyrene	2200	-	6100*
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	220*	-	21000*
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

NEAR SURFACE SOILS: STATION F-5-E  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	20000	-	ND
72-55-9	4,4'-DDE	3700	-	ND
72-54-8	4,4'-DDD	6800	-	ND
959-98-8	alpha-Endosulfan	8900**	-	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

NEAR SURFACE SOILS: STATION F-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	2100	-	85000
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	2300	-	86000
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	0.10	-	0.16
	Arsenic	8.5	-	7.6
	Beryllium	<0.2	-	<0.2
	Cadmium	<0.1	-	<0.1
	Chromium	12	-	8.3
	Copper	56	-	84
	Lead	300	-	267
	Mercury	39	-	5.6
	Nickel	7.4	-	5.2
	Selenium	<0.2	-	<0.1



NEAR SURFACE SOILS: STATION F-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	76	-	87
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.33	-	2.4
	Total Phenols	11	-	17
<hr/> D255B-PRS-35.1 to 35.9				

NEAR SURFACE SOILS: STATION G-3-I  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	1010 ppb	96.3 ppb	26.0 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-

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

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

NEAR SURFACE SOILS: STATION G-3-I  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	60	-	96
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

NEAR SURFACE SOILS: STATION G-3-I  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	3300	-	9400

NEAR SURFACE SOILS: STATION G-3-I  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION G-3-I  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION G-3-I  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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/kg)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION G-3-I  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	24000	-	2000**
72-55-9	4,4'-DDE	2200	-	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



NEAR SURFACE SOILS: STATION G-3-I  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	1100	-	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	3800	-	ND
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	190	-	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	2.5	-	1.8
	Beryllium	0.60	-	0.60
	Cadmium	<0.1	-	<0.1
	Chromium	5.6	-	3.9
	Copper	10	-	4.1
	Lead	11	-	2.1
	Mercury	<0.1	-	<0.1
	Nickel	12	-	8.0
	Selenium	<0.2	-	<0.1

NEAR SURFACE SOILS: STATION G-3-I  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	89	-	38
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.29	-	0.15
	Total Phenols	1.4	-	1.3
<hr/>				
D255C-PRS-26.1 to 26.9				

NEAR SURFACE SOILS: STATION G-3-L  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	310 ppb	126 ppb	33.4 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	11.0 ppb	5.8 ppb	-
3268-87-9	Octachlorodibenzo-p-dioxin	36 ppb	5.1 ppb	-

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

71-43-2	Benzene	21*	-	ND
56-23-5	Carbon tetrachloride	ND	-	ND
108-90-7	Chlorobenzene	39*	-	22*
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	38*	-	ND
75-35-4	1,1-Dichloroethene	ND	-	ND
156-60-5	trans-1,2-Dichloro-ethene	ND	-	ND

NEAR SURFACE SOILS: STATION G-3-L  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	76	-	21*
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	250*	-	ND
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION G-3-L  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	-	8700
59-50-7	4-Chloro-3-methylphenol	ND	-	ND
95-57-8	2-Chlorophenol	ND	-	ND
120-33-2	2,4-Dichlorophenol	ND	-	17000
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	-	2500

NEAR SURFACE SOILS: STATION G-3-L  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	15000	-	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	1400*	-	1300*
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	-	670*
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

NEAR SURFACE SOILS: STATION G-3-L  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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	-	510*
50-32-8	Benzo(A)pyrene	ND	-	660*
205-99-2	Benzo(B)fluor- anthene	ND	-	940*
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION G-3-L  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	-	1400*
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	-	440*
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	-	280*
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



NEAR SURFACE SOILS: STATION G-3-L  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	1200000	-	41000
72-55-9	4,4'-DDE	ND	-	1400**
72-54-8	4,4'-DDD	ND	-	2700
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

NEAR SURFACE SOILS: STATION G-3-L  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	5200	-	7500
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	ND	-	590
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	0.7	-	1.1
	Arsenic	2.6	-	0.87
	Beryllium	<0.2	-	<0.2
	Cadmium	<0.1	-	<0.1
	Chromium	14	-	5.8
	Copper	18	-	14
	Lead	64	-	49
	Mercury	0.4	-	<0.1
	Nickel	23	-	2.1
	Selenium	<1	-	<0.2

NEAR SURFACE SOILS: STATION G-3-L  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	20	-	20
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.29	-	<0.5
	Total Phenols	47.8	-	5.83

D255B-PRS-32.1 to 32.9

NEAR SURFACE SOILS: STATION G-4-A  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	276 ppb	3690 ppb	1770 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-

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

71-43-2	Benzene	ND	-	ND
56-23-5	Carbon tetrachloride	ND	-	ND
108-90-7	Chlorobenzene	ND	-	54
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	-	13*
75-35-4	1,1-Dichloroethene	ND	-	ND
156-60-5	trans-1,2-Dichloroethene	ND	-	ND

NEAR SURFACE SOILS: STATION G-4-A  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	36*	-	39*
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	-	20*
79-01-6	Trichloroethene	ND	-	ND
75-01-4	Vinyl chloride	ND	-	ND
67-64-1	Acetone	110*	-	200*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION G-4-A  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	23000	-	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	-	ND
95-57-8	2-Chlorophenol	ND	-	ND
120-33-2	2,4-Dichlorophenol	26000	-	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

NEAR SURFACE SOILS: STATION G-4-A  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	4700	-	71000
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	1400*	-	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

NEAR SURFACE SOILS: STATION G-4-A  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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	910*	-	ND
50-32-8	Benzo(A)pyrene	1000*	-	ND
205-99-2	Benzo(B)fluor- anthene	2200	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND



NEAR SURFACE SOILS: STATION G-4-A  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	2600	-	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	660*	-	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	490*	-	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

NEAR SURFACE SOILS: STATION G-4-A  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	5000	-	170000
72-55-9	4,4'-DDE	2500	-	34000**
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

NEAR SURFACE SOILS: STATION G-4-A  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	3100	-	1600
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	7600	-	3600
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	1200	-	990
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	6.6	-	3.0
	Arsenic	23	-	2.5
	Beryllium	0.40	-	0.62
	Cadmium	0.8	-	0.9
	Chromium	31	-	33
	Copper	239	-	169
	Lead	887	-	235
	Mercury	0.5	-	2.7
	Nickel	25	-	27
	Selenium	<0.3	-	<0.8

NEAR SURFACE SOILS: STATION G-4-A  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	0.24	-	0.45
	Thallium	<2	-	<2
	Zinc	515	-	516
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.70	-	0.85
	Total Phenols	27.3	-	5.13
<hr/> D255B-PRS-31.1 to 31.9				

NEAR SURFACE SOILS: STATION G-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	221 ppb	217 ppb	87.6 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	2.7 ppb	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	37 ppb	-

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

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-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

NEAR SURFACE SOILS: STATION G-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	58	-	93
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	-	9*
75-01-4	Vinyl chloride	ND	-	ND
67-64-1	Acetone	ND	-	220
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION G-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu</math>g/kg)</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	2000	-	870*
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

NEAR SURFACE SOILS: STATION G-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	3400	-	3200
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



NEAR SURFACE SOILS: STATION G-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION G-5-E  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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	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</math>g/kg)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION G-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	57000	-	34000
72-55-9	4,4'-DDE	9200	-	7000
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

NEAR SURFACE SOILS: STATION G-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	2100	-	2400
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	530	-	500
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	6.6	-	1.9
	Beryllium	0.29	-	<0.2
	Cadmium	0.33	-	<0.1
	Chromium	17	-	10
	Copper	93	-	33
	Lead	116	-	52
	Mercury	6.2	-	0.6
	Nickel	41	-	12
	Selenium	<0.2	-	<0.1

NEAR SURFACE SOILS: STATION G-5-E  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	226	-	78
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.28	-	0.25
	Total Phenols	11	-	3.5
<hr/>				
D255C-PRS-19.1 to 19.9				

NEAR SURFACE SOILS: STATION G-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	361 ppb	494 ppb	229 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	13.2 ppb	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	24 ppb	-	-

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

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

NEAR SURFACE SOILS: STATION G-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	41*	-	43*
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	-	110*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION G-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	1300*	-	22000*
59-50-7	4-Chloro-3-methyl-phenol	ND	-	ND
95-57-8	2-Chlorophenol	ND	-	ND
120-33-2	2,4-Dichlorophenol	6000	-	56000
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



NEAR SURFACE SOILS: STATION G-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	560*	-	720000
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

NEAR SURFACE SOILS: STATION G-5-F  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	470*	-	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)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION G-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION G-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	2100	-	420000
72-55-9	4,4'-DDE	1300**	-	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

NEAR SURFACE SOILS: STATION G-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	-	18000
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	6700	-	14000
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	870	-	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	0.67	-	0.22
	Arsenic	4.2	-	2.5
	Beryllium	0.32	-	<0.2
	Cadmium	0.41	-	0.31
	Chromium	43	-	10
	Copper	105	-	<10
	Lead	193	-	37
	Mercury	4.3	-	3.0
	Nickel	26	-	20
	Selenium	<0.3	-	<0.3

NEAR SURFACE SOILS: STATION G-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>0-6"</u>	<u>6-12"</u>	<u>12-24"</u>
<u>Metals (Continued)</u>				
	Silver	<0.2	-	11
	Thallium	<2	-	<2
	Zinc	1200	-	88
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.18	-	0.54
	Total Phenols	14.7	-	102

D255C-PRS-16.1 to 16.9

NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	58.6 ppb	30.9 ppb	22.2 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

NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	30*	-	45*
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	-	73*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND



NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu</math>g/kg)</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

NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	3400	-	2100
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	1200*	-	1900*
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

NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	ND	-	ND
85-68-7	Butyl benzyl phthalate	ND	-	ND
84-74-2	Di-N-butyl phthalate	ND	-	220*
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	-	1000*
50-32-8	Benzo(A)pyrene	ND	-	560*
205-99-2	Benzo(B)fluor- anthene	ND	-	1300*
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	-	2300
208-96-8	Acenaphthylene	ND	-	ND
120-12-7	Anthracene	320*	-	630*
191-24-2	Benzo(GHI)perylene	ND	-	ND
86-73-7	Fluorene	ND	-	300*
85-01-	Phenanthrene	740*	-	1900*
53-70-3	Dibenzo(A,H) anthracene	ND	-	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	-	480*
129-00-0	Pyrene	2400	-	2400
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

NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	50000	-	10000
72-55-9	4,4'-DDE	2800	-	1200**
72-54-8	4,4'-DDD	ND	-	1200
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

NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	1200	-	620
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 (DNRP)	ND	-	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	<0.1	-	0.7
	Arsenic	9.0	-	20
	Beryllium	<0.1	-	<0.1
	Cadmium	0.5	-	0.5
	Chromium	29	-	50
	Copper	160	-	120
	Lead	290	-	230
	Mercury	0.7	-	1.1
	Nickel	52	-	39
	Selenium	<0.5	-	<2

NEAR SURFACE SOILS: STATION H-1-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	0.4	-	<0.2
	Thallium	<2	-	<2
	Zinc	280	-	240
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.42	-	2.8
	Total Phenols	0.35	-	0.17

D255C-PRS-17.1 to 17.9

NEAR SURFACE SOILS: STATION H-2-B  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	93.5 ppb	47.0 ppb	177 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	1.9 ppb	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	81 ppb	-	-

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

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-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



NEAR SURFACE SOILS: STATION H-2-B  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	92	-	70
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	940	-	350*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION H-2-B  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

E-193

CAS Number	Compound Name	0-6"	6-12"	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 <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

NEAR SURFACE SOILS: STATION H-2-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	75000	-	72000
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

NEAR SURFACE SOILS: STATION H-2-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION H-2-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION H-2-B  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	317000	-	4880000
72-55-9	4,4'-DDE	11000**	-	30000**
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

NEAR SURFACE SOILS: STATION H-2-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	24000	-	29000
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	0.09	-	0.33
	Arsenic	6.3	-	4.6
	Beryllium	0.43	-	0.60
	Cadmium	0.09	-	0.09
	Chromium	17	-	16
	Copper	33	-	40
	Lead	605	-	99
	Mercury	1.3	-	2.1
	Nickel	12	-	11
	Selenium	<0.2	-	<0.1

NEAR SURFACE SOILS: STATION H-2-B  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	373	-	279
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	1.5	-	0.32
	Total Phenols	0.29	-	0.10

D255C-PRS-28.1 to 28.9



NEAR SURFACE SOILS: STATION H-2-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	2390 ppb	1230 ppb	510 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

NEAR SURFACE SOILS: STATION H-2-H  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	52	-	72
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	110*	-	210*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION H-2-H  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <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

NEAR SURFACE SOILS: STATION H-2-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	44000*	-	300000
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

NEAR SURFACE SOILS: STATION H-2-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION H-2-H  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION H-2-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	1900000	-	1400000
72-55-9	4,4'-DDE	93000	-	88000
72-54-8	4,4'-DDD	ND	-	164000
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

NEAR SURFACE SOILS: STATION H-2-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	70000	-	20000
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	-	4800
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	0.22	-	0.63
	Arsenic	8.3	-	11
	Beryllium	0.45	-	0.29
	Cadmium	1.2	-	0.20
	Chromium	33	-	23
	Copper	101	-	60
	Lead	330	-	246
	Mercury	2.4	-	2.0
	Nickel	31	-	12
	Selenium	<0.1	-	<0.7



NEAR SURFACE SOILS: STATION H-2-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	<0.2
	Thallium	<2	-	<2
	Zinc	284	-	135
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.35	-	0.40
	Total Phenols	1.3	-	4.9

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D255C-PRS-27.1 to 27.9

NEAR SURFACE SOILS: STATION H-5-F  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	28.5 ppb	69.3 ppb	385 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	ND (0.60 ppb)	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	8.7 ppb	-

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

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-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

NEAR SURFACE SOILS: STATION H-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	31*	-	27*
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	-	240*
78-93-3	2-Butanone	ND	-	ND
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION H-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu</math>g/kg)</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	-	17000*
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	-	39000*

NEAR SURFACE SOILS: STATION H-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	-	19000*
118-74-1	Hexachlorobenzene	6800	-	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

NEAR SURFACE SOILS: STATION H-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION H-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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</math>g/kg)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION H-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	4400	-	12000**
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



NEAR SURFACE SOILS: STATION H-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	ND	-	1100
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	-	1400
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	ND	-	1500
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	2.0	-	0.58
	Arsenic	2.2	-	3.4
	Beryllium	0.75	-	0.27
	Cadmium	<0.1	-	0.08
	Chromium	22	-	12
	Copper	108	-	25
	Lead	103	-	57
	Mercury	0.6	-	0.4
	Nickel	42	-	9.1
	Selenium	<0.8	-	<0.3

NEAR SURFACE SOILS: STATION H-5-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	0.50	-	<0.2
	Thallium	<2	-	<2
	Zinc	353	-	78
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	<0.5	-	0.5
	Total Phenols	2.1	-	69

D255C-PRS-22.1 to 22.9

NEAR SURFACE SOILS: STATION H-7-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	9050 ppb	2730 ppb	200 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	87.8 ppb
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	7.5 ppb

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	84000	-	1300
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

NEAR SURFACE SOILS: STATION H-7-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	1500*	-	710*
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	860*	-	ND
108-88-3	Toluene	ND	-	200*
79-01-6	Trichloroethene	ND	-	ND
75-01-4	Vinyl chloride	ND	-	ND
67-64-1	Acetone	5000*	-	2000*
78-93-3	2-Butanone	14000*	-	7800*
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION H-7-F  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	1500000	-	160000
59-50-7	4-Chloro-3-methyl-phenol	ND	-	ND
95-57-8	2-Chlorophenol	ND	-	ND
120-33-2	2,4-Dichlorophenol	3600000	-	1100000
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	15000000	-	680000

NEAR SURFACE SOILS: STATION H-7-F  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	-	9000*
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

NEAR SURFACE SOILS: STATION H-7-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION H-7-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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/kg)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND



NEAR SURFACE SOILS: STATION H-7-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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

NEAR SURFACE SOILS: STATION H-7-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	-	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	0.92	-	2.1
	Arsenic	5	-	16
	Beryllium	<0.2	-	<0.2
	Cadmium	<0.1	-	<0.1
	Chromium	7.4	-	6.5
	Copper	33	-	25
	Lead	97	-	54
	Mercury	0.1	-	1
	Nickel	9.2	-	6.5
	Selenium	0.48	-	2.2

NEAR SURFACE SOILS: STATION H-7-F  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	0.35
	Thallium	<2	-	<2
	Zinc	84	-	34
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	***	-	0.20
	Total Phenols	***	-	1890

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D255B-PRS-34.1 to 34.9

NEAR SURFACE SOILS: STATION H-7-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	29.5 ppb	27.6 ppb	226 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	25.0 ppb	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	3.3 ppb	-

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

71-43-2	Benzene	ND	-	ND
56-23-5	Carbon tetrachloride	ND	-	ND
108-90-7	Chlorobenzene	ND	-	8100
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

NEAR SURFACE SOILS: STATION H-7-H  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	29*	-	3100*
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	-	1300*
108-88-3	Toluene	ND	-	60000
79-01-6	Trichloroethene	ND	-	ND
75-01-4	Vinyl chloride	ND	-	ND
67-64-1	Acetone	270*	-	ND
78-93-3	2-Butanone	ND	-	9200*
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION H-7-H  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

E-229

CAS Number	Compound Name	0-6"	6-12"	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 <math>\mu\text{g}/\text{kg}</math>)</u>				
88-06-2	2,4,6-Trichlorophenol	3200	-	1700000
59-50-7	4-Chloro-3-methylphenol	ND	-	ND
95-57-8	2-Chlorophenol	ND	-	ND
120-33-2	2,4-Dichlorophenol	8500	-	2500000
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	4100	-	7500000

NEAR SURFACE SOILS: STATION H-7-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION H-7-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	310*	-	310000*
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)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND



NEAR SURFACE SOILS: STATION H-7-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	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

NEAR SURFACE SOILS: STATION H-7-H  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

E-233

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	880**	-	ND
72-55-9	4,4'-DDE	210**	-	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

NEAR SURFACE SOILS: STATION H-7-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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	2500	-	ND
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	1900	-	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	-	0.16
	Arsenic	0.50	-	13
	Beryllium	0.22	-	<0.2
	Cadmium	<0.1	-	0.34
	Chromium	1.1	-	7.5
	Copper	2.4	-	39
	Lead	3.5	-	197
	Mercury	0.3	-	37
	Nickel	3.1	-	40
	Selenium	<0.1	-	0.01

NEAR SURFACE SOILS: STATION H-7-H  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	<0.2	-	2.9
	Thallium	<2	-	<2
	Zinc	25	-	435
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.15	-	0.10
	Total Phenols	2.3	-	3378
<hr/> D255B-PRS-38.1 to 38.9 <hr/>				

NEAR SURFACE SOILS: STATION J-6-K  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	2.5 ppb	1.6 ppb	0.92 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	ND (0.84 ppb)	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	ND (0.14 ppb)	-

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

NEAR SURFACE SOILS: STATION J-6-K  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	64	-	22*
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	-	200*
78-93-3	2-Butanone	ND	-	160*
75-15-0	Carbon disulfide	ND	-	ND

NEAR SURFACE SOILS: STATION J-6-K  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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 <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	980*	-	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	1800*	-	ND
95-48-7	2-Methylphenol	ND	-	ND
108-39-4	4-Methylphenol	ND	-	ND
95-95-4	2,4,5-Trichlorophenol	ND	-	ND

NEAR SURFACE SOILS: STATION J-6-K  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	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	ND	-	4700
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



NEAR SURFACE SOILS: STATION J-6-K  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	-	ND
77-47-4	Hexachlorocyclopentadiene	ND	-	ND
78-59-1	Isophorone	ND	-	ND
91-20-3	Naphthalene	ND	-	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	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	-	2200
205-99-2	Benzo(B)fluoranthene	ND	-	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND

NEAR SURFACE SOILS: STATION J-6-K  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	ND	-	5800
208-96-8	Acenaphthylene	690*	-	860*
120-12-7	Anthracene	3000	-	1000*
191-24-2	Benzo(GHI)perylene	11000	-	ND
86-73-7	Fluorene	ND	-	ND
85-01-	Phenanthrene	ND	-	2600
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	-	900*
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

NEAR SURFACE SOILS: STATION J-6-K  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	620**	-	ND
72-55-9	4,4'-DDE	270**	-	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

NEAR SURFACE SOILS: STATION J-6-K  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>				
75-99-0	Dalapon (Dowpon)	1800	-	1100
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	-	2800
93-72-1	2,4,5-TP (Silvex)	ND	-	ND
93-76-5	2,4,5-T	ND	-	2900
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	4.5	-	1.3
	Arsenic	18	-	5.3
	Beryllium	0.34	-	0.30
	Cadmium	<0.1	-	0.09
	Chromium	7.7	-	7.0
	Copper	47	-	34
	Lead	400	-	243
	Mercury	0.9	-	0.4
	Nickel	11	-	17
	Selenium	<0.3	-	<0.2

NEAR SURFACE SOILS: STATION J-6-K  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"
<u>Metals (Continued)</u>				
	Silver	1.1	-	<0.2
	Thallium	<2	-	<2
	Zinc	97	-	169
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	1.97	-	0.6
	Total Phenols	1.0	-	3.5

D255B-PRS-30.1 to 30.9

## INVENTORY OF NEAR-SURFACE SOIL ARCHIVE SAMPLES

Near-surface soil samples are archived at the ITAS Directors Drive Laboratory for possible future dioxin analysis. The samples are being maintained at four degrees Centigrade in a secure refrigerator. Archived dioxin analysis samples will be returned to the site two months after acceptance of the site evaluation report for proper disposal.

Near Surface Soil Dioxin Archive Samples

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PAGE 1

CLIENT #	SORT 2	SAM.DESC
A-2-G-1336-103-S-L	841008	Soil: Station A-2-G, 24-36", Near Surface Soil
H-2-B-1484-103-S-L	841016	Soil: Station H-2-B, 24-36", Near Surface Soil
H-2-B-1485-104-S-L	841016	Soil: Station H-2-B, 36-48", Near Surface Soil
H-2-B-1490-105-S-L	841016	Soil: Station H-2-B, 48-60", Near Surface Soil
G-5-E-1569-103-S-L	841015	Soil: Station G-5-E, 24-42", Near Surface Soil, B#10
G-5-E-1570-104-S-L	841015	Soil: Station G-5-E, 42-60", Near Surface Soil, B#10
G-5-E-1571-105-S-L	841015	Soil: Station G-5-E, 60-78", Near Surface Soil, B#10
F-5-E-1607-103-S-L	841017	Soil: Station F-5-E, 24-42", Near Surface Soil, B#11
F-5-E-1608-104-S-L	841017	Soil: Station F-5-E, 42-60", Near Surface Soil, B#11
F-5-E-1609-105-S-L	841017	Soil: Station F-5-E, 60-78", Near Surface Soil, B#11
C-6-B-1624-103-S-L	841017	Soil: Station C-6-B, 24-36", Near Surface Soil
G-4-A-1630-103-S-L	841022	Soil: Station G-4-A, 24-36", Near Surface Soil
G-4-A-1631-104-S-L	841022	Soil: Station G-4-A, 36-48", Near Surface Soil
G-4-A-1632-105-S-L	841022	Soil: Station G-4-A, 48-60", Near Surface Soil
A-5-G-1689-103-S-L	841018	Soil: Station A-5-G, 24-36", Near Surface Soil
A-5-G-1690-104-S-L	841018	Soil: Station A-5-G, 36-48", Near Surface Soil
A-5-G-1691-105-S-L	841018	Soil: Station A-5-G, 48-60", Near Surface Soil
E-1-G-1692-103-S-L	841018	Soil: Station E-1-G, 24-36", Near Surface Soil
E-1-G-1693-104-S-L	841018	Soil: Station E-1-G, 36-48", Near Surface Soil
H-1-H-1695-103-S-L	841018	Soil: Station H-1-H, 24-36", Near Surface Soil
H-1-H-1696-104-S-L	841018	Soil: Station H-1-H, 36-48", Near Surface Soil
H-1-H-1697-105-S-L	841018	Soil: Station H-1-H, 48-60", Near Surface Soil
D-4-N-1698-103-S-L	841018	Soil: Station D-4-N, 36-48", Near Surface Soil
D-4-N-1699-104-S-L	841018	Soil: Station D-4-N, 36-48", Near Surface Soil
H-5-F-1704-103-S-L	841019	Soil: Station H-5-F, 24-36", Near Surface Soil
H-5-F-1705-104-S-L	841019	Soil: Station H-5-F, 36-48", Near Surface Soil
E-5-D-1717-103-S-L	841019	Soil: Station E-5-D, 24-36", Near Surface Soil
E-5-D-1718-104-S-L	841019	Soil: Station E-5-D, 36-48", Near Surface Soil
E-5-D-1719-105-S-L	841019	Soil: Station E-5-D, 48-60", Near Surface Soil
G-5-F-1720-103-S-L	841019	Soil: Station G-5-F, 24-36", Near Surface Soil
G-5-F-1721-104-S-L	841019	Soil: Station G-5-F, 36-48", Near Surface Soil
G-5-F-1722-105-S-L	841019	Soil: Station G-5-F, 48-60", Near Surface Soil
H-7-H-1724-103-S-L	841019	Soil: Station H-7-H, 24-36", Near Surface Soil
A-4-F-1727-103-S-L	841022	Soil: Station A-4-F, 24-36", Near Surface Soil
A-4-F-1728-104-S-L	841022	Soil: Station A-4-F, 36-48", Near Surface Soil
A-4-F-1729-105-S-L	841022	Soil: Station A-4-F, 48-60", Near Surface Soil
A-2-G-1737-104-S-L	841022	Soil: Station A-2-G, 36-48", Near Surface Soil
A-2-G-1738-105-S-L	841022	Soil: Station A-2-G, 48-60", Near Surface Soil
R-2-M-1739-103-S-L	841022	Soil: Station R-2-M, 24-36", Near Surface Soil
R-2-M-1740-104-S-L	841022	Soil: Station R-2-M, 36-48", Near Surface Soil
R-2-M-1741-105-S-L	841022	Soil: Station R-2-M, 48-60", Near Surface Soil
G-3-L-1745-102-S-L	841022	Soil: Station G-3-L, 24-36", Near Surface Soil
G-3-L-1746-104-S-L	841022	Soil: Station G-3-L, 36-48", Near Surface Soil
G-3-L-1747-105-S-L	841022	Soil: Station G-3-L, 48-60", Near Surface Soil
G-3-I-1748-103-S-L	841022	Soil: Station G-3-I, 24-36", Near Surface Soil
H-2-H-1751-103-S-L	841022	Soil: Station H-2-H, 24-36", Near Surface Soil
J-6-K-1747-103-S-L	841023	Soil: Station J-6-K, 24-36", Near Surface Soil
J-6-K-1748-104-S-L	841023	Soil: Station J-6-K, 36-48", Near Surface Soil
J-6-K-1749-105-S-L	841023	Soil: Station J-6-K, 48-60", Near Surface Soil
H-7-F-1778-103-S-L	841024	Soil: Station H-7-F, 24-36", Near Surface Soil

Near Surface Soil Dioxin Archive Samples

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PAGE 2

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CLIENT #	SORT 2	SAM.DESC
H-7-F-1779-104-S-L	841024	Soil: Station H-7-F. 36-48". Near Surface Soil
H-7-F-1780-105-S-L	841024	Soil: Station H-7-F. 48-60". Near Surface Soil

1382 RECORDS EXAMINED : 52 SELECTIONS QUALIFIED



SOIL AT DEPTH  
ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS

STATION	BOREHOLE	DEPTH	VOA	BASE/NEUTRAL/ACID	PESTICIDE	HERBICIDE
I-2-L	1	0-6"	Low	Low	Low <sup>(1)</sup>	Low <sup>(2)</sup>
I-2-L	1	12-24"	Low <sup>(4)</sup>	Low <sup>(5)</sup>	Low <sup>(3)</sup>	Low <sup>(2)</sup>
I-2-L	1	13.5-15.5'	Low <sup>(4)</sup>	Low <sup>(5)</sup>	Low <sup>(3)</sup>	Low <sup>(2)</sup>
I-5-A	2	0-6"	Low	Low <sup>(5)</sup>	Low <sup>(8)</sup>	Low <sup>(2)</sup>
I-5-A	2	12-24"	Low	Low <sup>(5)</sup>	Low <sup>(11)</sup>	Low <sup>(2)</sup>
I-5-A	2	13.5-15.2'	Medium <sup>(5)</sup>	Medium <sup>(5)</sup>	Medium <sup>(4)</sup>	Low <sup>(3)</sup>
I-7-K	3	0-6"	Low	Low <sup>(2)</sup>	Low <sup>(10)</sup>	Low <sup>(6)</sup>
I-7-K	3	12-24"	Low	Low	Low <sup>(7)</sup>	Low <sup>(6)</sup>
I-7-K	3	7-8.5'	Low	Low	Low <sup>(5)</sup>	Low <sup>(2)</sup>
C-7-C	4	0-6"	Low	Low <sup>(5)</sup>	Medium <sup>(6)</sup>	Low
C-7-C	4	12-24"	Low <sup>(7)</sup>	Low <sup>(6)</sup>	Medium <sup>(6)</sup>	Low <sup>(7)</sup>
C-7-C	4	6.5-8'	Low <sup>(7)</sup>	Low <sup>(6)</sup>	Medium <sup>(6)</sup>	Low <sup>(7)</sup>
A-2-K	5	0-6"	Low	Medium	Medium <sup>(1)</sup>	Low
A-2-K	5	12-24"	Low	Medium	Medium <sup>(9)</sup>	Low
A-2-K	5	6.5-8.5'	Low	Medium	Low <sup>(6)</sup>	Low
A-3-C	6	0-6"	Low	Medium	Medium <sup>(6)</sup>	Low
A-3-C	6	12-24"	Low	Medium	Medium <sup>(8)</sup>	Low
A-3-C	6	6.5-8.5'	Low	Medium	Medium	Low
D-1-F	7	0-6"	Low	Low	Medium	Low
D-1-F	7	12-24"	Low	Medium	Medium	Low
D-1-F	7	6.5-8.7'	Low	Low	Medium	Low
F-7-B	8	0-6"	Low <sup>(9)</sup>	Low <sup>(5)</sup>	Low <sup>(10)</sup>	Low <sup>(2)</sup>
F-7-B	8	12-24"	Low <sup>(9)</sup>	Low <sup>(5)</sup>	Low <sup>(10)</sup>	Low <sup>(2)</sup>
F-7-B	8	6.5-8'	Low	Low	Low <sup>(5)</sup>	Low <sup>(2)</sup>

- ( 1) Further dilution 1:500  
 ( 2) Further dilution 1:5  
 ( 3) Further dilution 1:1000  
 ( 4) Further dilution 1:200  
 ( 5) Further dilution 1:2  
 ( 6) Further dilution 1:10  
 ( 7) Further dilution 1:50  
 ( 8) Further dilution 1:2000  
 ( 9) Further dilution 1:20  
 (10) Further dilution 1:100  
 (11) Further dilution 1:10,000

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS  
Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
Date Release Authorized by: Wanda K. Kuehnberger

Method  
Sample #: DETECTION LIMITS  
X Moisture: N/A

Organics Analysis Data Sheet

Volatile Compounds

Level/Matrix: MEDIUM WATER  
QC Report #: \_\_\_\_\_  
Spl->Extract: 5ml DILUTED 1:1000  
Lab Std ID: \_\_\_\_\_  
Lab ID: METHOD D.L.  
Date Analyzed: \_\_\_\_\_  
Circle Units: ug/Kg, (ug/L)

2V	acrolein	10,000U
3V	acrylonitrile	10,000U
4V	benzene	1,000U
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	✓
19V	2-chloroethylvinyl ether	10,000U
23V	chloroform	1,000U
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	↓
	acetone	10,000U
	2-butanone	10,000U
	carbon disulfide	1,000U
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	↓

Pesticides

Level/Matrix: MEDIUM WATER  
QC Report #: \_\_\_\_\_  
Spl->Extract: 1ml -> 10ml  
Lab Std ID: \_\_\_\_\_  
Lab ID: METHOD D.L.  
Date Extracted: \_\_\_\_\_  
Date Analyzed: \_\_\_\_\_  
Circle Units: ug/Kg, (ug/L)

89P	aldrin	1000U
90P	dieldrin	↓
91P	chlordane	1,000U
92P	4,4'-DDT	1000U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	
106P	PCB-1242	10,000U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	↓

Dioxin

Level/Matrix: MEDIUM WATER  
QC Report #: \_\_\_\_\_  
Spl->Extract: 1ml -> 1ml  
Lab Std ID: \_\_\_\_\_  
Lab ID: METHOD D.L.  
Date Extracted: \_\_\_\_\_  
Date Analyzed: \_\_\_\_\_  
Circle Units: ug/Kg, (ug/L)  
129B 2,3,7,8-tetrachloro-dibenzo-p-dioxin 7U

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)  
K - Detected below Quantitation Limit (Quantitation Limit is 10 x DL)

•• - Detected below GC/MS DL  
C - Confirmed by GC/MS-GC Quantitation  
N - Not Confirmed by GC/MS-GC/MS DL  
NA - Not Analyzed  
NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
 Data Release Authorized by: Wanda R. Kistner

Sample #: METHOD  
 % Moisture: DETECTION LIMITS  
N/A

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds

Level/Matrix: LOW WATER

QC Report #: \_\_\_\_\_

Spl->Extract: IL -> 2 ml

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg, ug/L

21A	2,4,6-trichlorophenol	2U	42B	bis(2-chloroisopropyl)ether	2U
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	dimethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(s,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine		84B	pyrene	
	(as azobenzene)			aniline	
39B	fluoranthene			benzyl alcohol	
40B	4-chlorophenyl phenyl ether			4-chloroaniline	
41B	4-bromophenyl phenyl ether	✓		dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	✓

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)

K - Detected below quantitation Limit  
 (Quantitation Limit is 10 x DL)

NA - Not Analyzed

NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
 Data Release Authorized by: Kimberly R. Kuntze

Method  
 Sample #: DETECTION LIMITS  
 % Moisture: N/A

## Organics Analysis Data Sheet

## Volatile Compounds

Level/Matrix: low WATER  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 100  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: Method D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, (ug/L)

2V	acrolein	10U
3V	acrylonitrile	10U
4V	benzene	1U
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	↓
19V	2-chloroethylvinyl ether	10U
23V	chloroform	1U
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	↓
	acetone	10U
	2-butanone	10U
	carbon disulfide	1U
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	↓

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 K - Detected below Quantitation Limit  
 (Quantitation Limit is 10 x DL)

## Pesticides

Level/Matrix: low WATER  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 100 → 100ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: Method D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, (ug/L)

89P	aldrin	0.1U
90P	dieldrin	↓
91P	chlordane	1U
92P	4,4'-DDT	0.1U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	↓
106P	PCB-1242	1U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	↓

## Dioxin

Level/Matrix: low WATER  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 100 → 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: Method D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, (ug/L)

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	0.001U
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•• - Detected below GC/MS DL  
 C - Confirmed by GC/MS-GC Quantitation  
 N - Not Confirmed by GC/MS-GC/MS DL  
 NA - Not Analyzed  
 NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD DETECTION LIMITS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ \* Moisture: N/A  
 Data Release Authorized by: Linda R. Kuehnberger

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds

Level/Matrix: MEDIUM WATER

QC Report #: \_\_\_\_\_

Spl->Extract: Ink -> Ink

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg, (ug/L)

21A	2,4,6-trichlorophenol	1000 U	42B	bis(2-chloroisopropyl)ether	1000 U
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	dimethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(a,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine		84B	ovrene	
	(as azobenzene)			aniline	
39B	fluoranthene			benzyl alcohol	
40B	4-chlorophenyl phenyl ether			4-chloroaniline	
41B	4-bromophenyl phenyl ether	V		dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	V

U - Analyzed for but not detected  
(Reported Value is Detection Limit-DL)

K - Detected below quantitation Limit  
(Quantitation Limit is 10 x DL)

NA - Not Analyzed

NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ \* Moisture: DETENTION LIMITS  
 Data Release Authorized by: Linda R. [Signature] NA

Organics Analysis Data Sheet

Volatile Compounds

Level/Matrix: Low Soil  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1.0g -> 5ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg ug/L

2V	acrolein	SOU
3V	acrylonitrile	SOU
4V	benzene	SU
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	
19V	2-chloroethylvinyl ether	SOU
23V	chloroform	SU
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	
	acetone	SOU
	2-butanone	SOU
	carbon disulfide	SU
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	

Pesticides

Level/Matrix: Low Soil  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 5.0g -> 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg ug/L

89P	aldrin	SOU
90P	dieldrin	
91P	chlordane	SOU
92P	4,4'-DDT	SOU
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	
106P	PCB-1242	SOU
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	

Dioxin

Level/Matrix: Low Soil  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 5.0g -> 1ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg ug/L

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	SU
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U - Analyzed for but not detected (Reported Value is Detection Limit-DL)  
 K - Detected below Quantitation Limit (Quantitation Limit is 10 x DL)

•• - Detected below GC/MS DL  
 C - Confirmed by GC/MS-GC Quantitation  
 N - Not Confirmed by GC/MS-GC/MS DL  
 NA - Not Analyzed  
 NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD DETECTION LIMITS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ % Moisture: N/A  
 Data Release Authorized by: Linda K. Kusterberger

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds

Level/Matrix: LOW SOIL

QC Report #: \_\_\_\_\_

Spl->Extract: 50.0g -> 10ml

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg ug/L

21A	2,4,6-trichlorophenol	2000	42B	bis(2-chloroisopropyl)ether	2000
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	diethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(a,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine		84B	pyrene	
	(as azobenzene)			aniline	
39B	fluoranthene			benzyl alcohol	
40B	4-chlorophenyl phenyl ether			4-chloroaniline	
41B	4-bromophenyl phenyl ether	✓		dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	✓

U - Analyzed for but not detected  
(Reported Value is Detection Limit-DL)

K - Detected below quantitation limit  
(Quantitation Limit is 10 x DL)

NA - Not Analyzed

NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD DETECTION LIMITS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ % Moisture: N/A  
 Data Release Authorized by: [Signature]

Organics Analysis Data Sheet

Volatile Compounds

Level/Matrix: MEDIUM SOIL  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1.0g -> 5ml; 5ml -> 5ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

2V	acrolein	5,000U
3V	acrylonitrile	5,000U
4V	benzene	5,000U
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	↓
19V	2-chloroethylvinyl ether	5,000U
23V	chloroform	5,000U
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	↓
	acetone	5,000U
	2-butanone	5,000U
	carbon disulfide	5,000U
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	↓

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)  
 K - Detected below Quantitation Limit (Quantitation Limit is 10 x DL)

Pesticides

Level/Matrix: MEDIUM SOIL  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 0.2g -> 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

89P	aldrin	5,000U
90P	dieldrin	↓
91P	chlordane	5,000U
92P	4,4'-DDT	5,000U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	↓
106P	PCB-1242	5,000U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	↓

Dioxin

Level/Matrix: MEDIUM SOIL  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 0.2g -> 1ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	40U
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\*\* - Detected below GC/MS DL  
 C - Confirmed by GC/MS-GC Quantitation  
 N - Not Confirmed by GC/MS-GC/MS DL  
 NA - Not Analyzed  
 NR - Not Reported



Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ x Moisture: DETECTION LIMITS  
 Data Release Authorized by: Linda R. K. [Signature] N/A

## Organics Analysis Data Sheet

## Base/Neutral and Acid Compounds

Level/Matrix: MEDIUM SOIL

QC Report #: \_\_\_\_\_

Spl->Extract: 2.0g -> 10ml

Lab Std ID: \_\_\_\_\_

Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_

Date Analyzed: \_\_\_\_\_

Circle Units: ug/Kg, ug/L

21A	2,4,6-trichlorophenol	5,000u	42B	bis(2-chloroisopropyl)ether	5,000u
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	diethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(a,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine (as azobenzene)		84B	pyrene	
39B	fluoranthene			aniline	
40B	4-chlorophenyl phenyl ether			benzyl alcohol	
41B	4-bromophenyl phenyl ether	✓		4-chloroaniline	
				dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	✓

U - Analyzed for but not detected  
(Reported Value is Detection Limit-DL)

K - Detected below quantitation limit  
(Quantitation Limit is 10 x DL)

NA - Not Analyzed

NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WOTS  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_  
 Data Release Authorized by: Linda K. Kuehner

Method  
 Sample #: DETECTION LIMITS  
 x Moisture: N/A

Organics Analysis Data Sheet

Volatile Compounds

Level/Matrix: HIGH EXTRACT  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1g -> 10ml; 50ml -> 5ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.

Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

2V	acrolein	10,000 U
3V	acrylonitrile	10,000 U
4V	benzene	1,000 U
6V	carbon tetrachloride	
7V	chlorobenzene	
10V	1,2-dichloroethane	
11V	1,1,1-trichloroethane	
13V	1,1-dichloroethane	
14V	1,1,2-trichloroethane	
15V	1,1,2,2-tetrachloroethane	
16V	chloroethane	
17V	bis(chloromethyl)ether	
19V	2-chloroethylvinyl ether	10,000 U
23V	chloroform	1,000 U
29V	1,1-dichloroethylene	
30V	1,2-trans-dichloroethylene	
32V	1,2-dichloropropane	
33Vt	trans-1,3-dichloropropene	
33Vc	cis-1,3-dichloropropene	
38V	ethylbenzene	
44V	methylene chloride	
45V	methyl chloride	
46V	methyl bromide	
47V	bromoform	
48V	dichlorobromomethane	
49V	trichlorofluoromethane	
50V	dichlorodifluoromethane	
51V	chlorodibromomethane	
85V	tetrachloroethylene	
86V	toluene	
87V	trichloroethylene	
88V	vinyl chloride	
	acetone	10,000 U
	2-butanone	10,000 U
	carbon disulfide	1,000 U
	2-hexanone	
	4-methyl-2-pentanone	
	styrene	
	vinyl acetate	
	total xylenes	

U - Analyzed for but not detected (Reported Value is Detection Limit-DL)  
 K - Detected below Quantitation Limit (Quantitation Limit is 10 x DL)

Pesticides

Level/Matrix: HIGH EXTRACT  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1g -> 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

89P	aldrin	100 U
90P	dieldrin	
91P	chlordan	1,000 U
92P	4,4'-DDT	100 U
93P	4,4'-DDE	
94P	4,4'-DDD	
95P	alpha-endosulfan	
96P	beta-endosulfan	
97P	endosulfan sulfate	
98P	endrin	
99P	endrin aldehyde	
100P	heptachlor	
101P	heptachlor epoxide	
102P	alpha-BHC	
103P	beta-BHC	
104P	gamma-BHC	
105P	delta-BHC	
106P	PCB-1242	1,000 U
107P	PCB-1254	
108P	PCB-1221	
109P	PCB-1232	
110P	PCB-1248	
111P	PCB-1260	
112P	PCB-1016	
113P	toxaphene	

Dioxin

Level/Matrix: HIGH EXTRACT  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1g -> 10ml; 5ml -> 1ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD D.L.

Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

129B	2,3,7,8-tetrachloro-dibenzo-p-dioxin	20 U
------	--------------------------------------	------

•• - Detected below GC/MS DL  
 C - Confirmed by GC/MS-GC Quantitation  
 N - Not Confirmed by GC/MS-GC/MS DL  
 NA - Not Analyzed  
 NR - Not Reported

Case #/SAS #: \_\_\_\_\_ Laboratory: IT / WCTS Sample #: METHOD  
 Date Rec'd: \_\_\_\_\_ Contract #: \_\_\_\_\_ % Moisture: DETECTION LIMITS  
 Data Release Authorized by: Linda R. Wickert

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds  
 Level/Matrix: HIGH EXTRACT  
 QC Report #: \_\_\_\_\_  
 Spl->Extract: 1.0g -> 10ml  
 Lab Std ID: \_\_\_\_\_  
 Lab ID: METHOD .D.K.  
 Date Extracted: \_\_\_\_\_  
 Date Analyzed: \_\_\_\_\_  
 Circle Units: ug/Kg, ug/L

21A	2,4,6-trichlorophenol	10,000 U	42B	bis(2-chloroisopropyl)ether	10,000 U
22A	p-chloro-m-cresol		43B	bis(2-chloroethoxy)methane	
24A	2-chlorophenol		52B	hexachlorobutadiene	
31A	2,4-dichlorophenol		53B	hexachlorocyclopentadiene	
34A	2,4-dimethylphenol		54B	isophorone	
57A	2-nitrophenol		55B	naphthalene	
58A	4-nitrophenol		56B	nitrobenzene	
59A	2,4-dinitrophenol		61B	N-nitrosodimethylamine	
60A	4,6-dinitro-o-cresol		62B	N-nitrosodiphenylamine	
64A	pentachlorophenol		63B	N-nitrosodi-n-propylamine	
65A	phenol		66B	bis(2-ethylhexyl)phthalate	
	benzoic acid		67B	butyl benzyl phthalate	
	2-methylphenol		68B	di-n-butyl phthalate	
	4-methylphenol		69B	di-n-octyl phthalate	
	2,4,5-trichlorophenol		70B	diethyl phthalate	
1B	acenaphthene		71B	dimethyl phthalate	
5B	benzidine		72B	benzo(a)anthracene	
8B	1,2,4-trichlorobenzene		73B	benzo(a)pyrene	
9B	hexachlorobenzene		74B	3,4-benzofluoranthene	
12B	hexachloroethane		75B	benzo(k)fluoranthene	
18B	bis(2-chloroethyl)ether		76B	chrysene	
20B	2-chloronaphthalene		77B	acenaphthylene	
25B	1,2-dichlorobenzene		78B	anthracene	
26B	1,3-dichlorobenzene		79B	benzo(ghi)perylene	
27B	1,4-dichlorobenzene		80B	fluorene	
28B	3,3'-dichlorobenzidine		81B	phenanthrene	
35B	2,4-dinitrotoluene		82B	dibenzo(a,h)anthracene	
36B	2,6-dinitrotoluene		83B	indeno(1,2,3-cd)pyrene	
37B	1,2-diphenylhydrazine (as azobenzene)		84B	pyrene	
39B	fluoranthene			aniline	
40B	4-chlorophenyl phenyl ether			benzyl alcohol	
41B	4-bromophenyl phenyl ether	V		4-chloroaniline	
				dibenzofuran	
				2-methylnaphthalene	
				2-nitroaniline	
				3-nitroaniline	
				4-nitroaniline	

U - Analyzed for but not detected  
 (Reported Value is Detection Limit-DL)  
 K - Detected below quantitation Limit  
 (Quantitation Limit is 10 x DL)  
 NA - Not Analyzed  
 NR - Not Reported

Herbicide  
MethodSample #: Detection Limits

Laboratory: IT/Cerritos  
 Sample Matrix: Soil  
 Data Release Authorized by: ASBenns  
 pH: NA

Case #/SAS #: —  
 Contract #: —  
 Date Rec'd: —  
 x Moisture: NA  
 x Moisture (Decanted): NA

Organics Analysis Data Sheet  
Chlorinated Herbicides

Sample Level: Low  
 Date Extracted: —  
 Date Analyzed: —  
 Spl->Extract: 10g -> 10ml  
 Lab Std ID: 0  
 Lab ID: Method DL  
 QC Report #: —

ALL RESULTS ARE REPORTED  
 ON WET WEIGHT BASIS.

		Circle Units: <u>ug/Kg</u> ug/L
75-99-0	2,2-Dichloropropionic Acid	Dalapon (Dowpon) <u>100U</u>
1918-00-9	2-Methoxy-3,6-dichlorobenzoic Acid	Dicamba <u>60U</u>
7085-19-0	2-(4-Chloro-2-methylphenoxy)propionic Acid	MCPA <u>3000U</u>
94-74-6	(4-Chloro-2-methylphenoxy)acetic Acid	MCPA <u>3000U</u>
120-36-5	2-(2,4-Dichlorophenoxy)propionic Acid	Dichloroprop (2,4-DP) <u>100U</u>
94-75-7	2,4-Dichlorophenoxyacetic Acid	2,4-D <u>100U</u>
93-72-1	2-(2,4,5-Trichlorophenoxy)propionic Acid	2,4,5-TP (Silvex) <u>60U</u>
93-76-5	2,4,5-Trichlorophenoxyacetic Acid	2,4,5-T <u>90U</u>
94-82-6	4-(2,4-Dichlorophenoxy)butyric Acid	2,4-DB <u>100U</u>
88-85-7	2-(sec-Butyl)-4,6-dinitrophenol	Dinoseb (DNBP) <u>90U</u>
85-34-7	2,3,6-Trichlorophenylacetic Acid	Fenac <u>NA</u>

- U - Analyzed for but not detected. (Reported Value is Detection Limit-DL)  
 \*\* - Detected below GC/MS DL  
 C - Confirmed by GC/MS-GC Quantitation  
 N - Not Confirmed by GC/MS-GC/MS DL  
 B - Compound found in Blank. Sample results are not Blank Corrected.  
 NA - Not Analyzed  
 NR - Not Reported

**SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

**SAMPLE ID: STATION I-2-L, 0-6", Borehole #1**

<u>CAS #</u>	<u>COMPOUND IDENTIFICATION</u>	<u>ESTIMATED CONCENTRATION*</u>
<b>VOLATILES:</b>		
	NONE FOUND	
<b>BASE/NEUTRAL/ACIDS:</b>		
----	A Tetrachlorobenzene Isomer	4000.ug/Kg
----	A Tetrachlorobenzene Isomer	4000.ug/Kg
----	A Dichloro-2-Chloroethenyl benzene	
	Isomer	10000.ug/Kg
608-93-5	Pentachlorobenzene	4000.ug/Kg
----	Unknown	2000.ug/Kg
----	Unknown	3000.ug/Kg
----	Unknown	
----	Unknown	4000.ug/Kg
----	Unknown	30000.ug/Kg
----	Unknown	20000.ug/Kg
----	Unknown	3000.ug/Kg
1022-22-6	1,1'-(Chloroethenylindene)	
	Bis(4-chlorobenzene)	6000.ug/Kg
3424-82-6	1-chloro-2-[2,2 Dichloro-1(4-chloro- Phenyl)ethenyl]Benzene	2000.ug/Kg
----	Unknown	3000.ug/Kg
72-55-9	1,1'(Dichloroethenylindane)Bis (γ-chloro Benzene)	10000.ug/Kg
----	A DDD Isomer	20000.ug/Kg
----	Unknown	8000.ug/Kg
72-54-8	P P'-DDD	40000.ug/Kg
50-29-3	4,4'-DDT	50000.ug/Kg

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

SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION I-2-L, 12-24", Borehole #1

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	

<u>BASE/NEUTRAL/ACIDS:</u>		
----	Chlorobenzene	9000 .ug/Kg
----	Unknown	2000 .ug/Kg
----	Unknown	5000 .ug/Kg
112-40-3	Dodecane	3000 .ug/Kg
----	Unknown	3000 .ug/Kg
----	Unknown	3000 .ug/Kg
----	Unknown	6000 .ug/Kg
----	A Tetrachlorobenzene Isomer	4000 .ug/Kg
45812-47-5	2,4-Dichloro-1-(2-Chloroethenyl)-Benzene	7000 .ug/Kg
----	Hydrocarbon	2000 .ug/Kg
608-93-5	Pentachlorobenzene	2000 .ug/Kg
----	Unknown	4000 .ug/Kg
----	Unknown	7000 .ug/Kg
----	Unknown	10000 .ug/Kg
----	Unknown	6000 .ug/Kg
----	Unknown	4000 .ug/Kg
1022-22-6	1,1-(Chloroethenylidene)Bis-4-Chlorobenzene	5000 .ug/Kg
3424-82-6	1-chloro-2-[2,2-Dichloro-1-(4-Chlorophenyl)-Ethenylbenzene]	5000 .ug/Kg
2642-81-1	1,1'-Ethenylidene-Bis-4-Chlorobenzene	4000 .ug/Kg
----	Unknown	7000 .ug/Kg
----	DDD Isomer	30000 .ug/Kg
----	Unknown	20000 .ug/Kg
----	DDD Isomer	50000 .ug/Kg
50-29-3	4,4'-DDT	40000 .ug/Kg

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

**SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: STATION I-2-L, 13.5-15.5', Borehole #1

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	
<b>BASE/NEUTRAL/ACIDS:</b>		
108-88-3	Toluene	2000.ug/Kg
108-90-7	Chlorobenzene	50000.ug/Kg
100-41-4	Ethylbenzene	10000.ug/Kg
----	A Xylene Isomer	4000.ug/Kg
----	A Xylene Isomer	4000.ug/Kg
103-65-1	Propylbenzene	5000.ug/Kg
----	A Ethyl-Methyl-Benzene Isomer	3000.ug/Kg
----	A Trimethylbenzene Isomer	4000.ug/Kg
----	A Trichlorobenzene Isomer	6000.ug/Kg
----	A Trichlorobenzene Isomer	6000.ug/Kg
----	Unknown	6000.ug/Kg
----	Hydrocarbon	4000.ug/Kg
----	A Methyl-Naphthalene Isomer	10000.ug/Kg
----	A Tetrachlorobenzene Isomer	30000.ug/Kg
----	Unknown	7000.ug/Kg
----	Unknown	10000.ug/Kg
----	Unknown	10000.ug/Kg
----	Unknown	30000.ug/Kg
----	A DDD Isomer	30000.ug/Kg
----	A DDD Isomer	50000.ug/Kg
50-29-3	4,4'-DDT	20000.ug/Kg
----	4' Tetrachlorobenzene Isomer	50000.ug/Kg
608-93-5	Pentachlorobenzene	50000.ug/Kg

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

**SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: **STATION I-5-A, 0-6", Borehole #2**

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
----	A Tetrachloro Benzene Isomer	3000 ug/Kg
----	A Dichloro-1-(2-Chloroethyl) Benzene Isomer	800 ug/Kg
608-93-5	Pentachlorobenzene	800 ug/Kg
----	Trichlorinated Alkyl Benzene	900 ug/Kg
----	Unknown	4000 ug/Kg
----	Unknown	800 ug/Kg
----	Unknown	1000 ug/Kg
3424-82-6	1-Chloro-2-(2,2 Dichloro-1-(4-Chlorophenyl) Ethenyl) Benzene	6000 ug/Kg
----	A DDD Isomer	3000 ug/Kg
----	A DDD Isomer	8000 ug/Kg
50-29-3	4,4' DDT	20000 ug/Kg

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



SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION I-5-A, 12-24", Borehole #2

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	
<u>BASE/NEUTRAL/ACIDS:</u>		
----	Tetrachlorobenzene Isomer	30000 .ug/Kg
----	Tetrachlorobenzene Isomer	80000 .ug/Kg
----	Dichloro-2-Chloroethylbenzene Isomer	7000 .ug/Kg
----	Trichloromethoxybenzene Isomer	20000 .ug/Kg
608-93-5	Pentachlorobenzene	30000 .ug/Kg
----	Unknown	10000 .ug/Kg
----	Unknown	6000 .ug/Kg
----	Unknown	50000 .ug/Kg
----	Unknown	20000 .ug/Kg
----	Unknown	10000 .ug/Kg
80-33-1	Oxex	10000 .ug/Kg
72-55-9	4,4'-DDE	20000 .ug/Kg
53-19-0	2,4'-DDD	10000 .ug/Kg
1022-22-6	1,1'-(Chloroethylidene)	
	Bis [4-chloro-	10000 .ug/Kg
----	DDT Isomer	60000 .ug/Kg
----	DDT Isomer	10000 .ug/Kg
50-29-3	4,4'-DDT	100000 .ug/Kg

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

Soil At Depth  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: Station I-5-A, 13.5-15.2', Borehole #2

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
142-96-1	Dibutyl Ether	20000. µg/L
-	Unknown	20000. µg/L
<b>BASE/NEUTRAL/ACIDS:</b>		
-	2,6-Dichlorophenol Isomer	200000. µg/Kg
-	Unknown	80000. µg/Kg
-	Unknown	400000. µg/Kg
-	Unknown	60000. µg/Kg
-	Unknown	600000. µg/Kg
-	Unknown	100000. µg/Kg
1928-43-4	2,4-D	4000000. µg/Kg
-	Unknown	60000. µg/Kg
-	Unknown	100000. µg/Kg
1928-47-8	2,4,5-T	800000. µg/Kg
-	Unknown	100000. µg/Kg

\*Estimated by direct peak ratio  
 \*Estimated by direct peak ratio, and by comparison with standards

SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION J-7-K, 0-6", Borehole #3

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
VOLATILES:		
	NONE FOUND	

BASE/NEUTRAL/ACIDS:		
----	Trichloromethylbenzene Isomer	8000.ug/Kg
----	Unknown	10000.ug/Kg
2444-89-5	1,1'-Oxybis[4-chloro]-benzene	10000.ug/Kg

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

**SOIL AT DEPTH**  
**TENTATIVELY IDENTIFIED COMPOUNDS**  
**SEMI-QUANTITATIVE RESULTS**

**SAMPLE ID:** STATION I-7-K, 12-24", Borehole #3

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
142-96-1	Butyl Ether	300.ug/Kg
<b>BASE/NEUTRAL/ACIDS:</b>		
142-96-1	Butyl Ether	20000.ug/Kg

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

SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION I-7-K, 7-8.5', Borehole #3

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	

<u>BASE/NEUTRAL/ACIDS:</u>		
541-05-9	Hexamethylcyclotrisiloxane	2000 ug/Kg
---	Unknown	4000 ug/Kg

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

SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION C-7-C, 0-6", Borehole #4

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
	NONE FOUND	
<u>BASE/NEUTRAL/ACIDS:</u>		
----	Unknown	4000 ug/Kg
----	Hydrocarbon	7000 ug/Kg
----	Unknown	3000 ug/Kg
----	Hydrocarbon	10000 ug/Kg
----	Hydrocarbon	10000 ug/Kg
----	Unknown	4000 ug/Kg
----	Hydrocarbon	10000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Hydrocarbon	30000 ug/Kg
----	Hydrocarbon	30000 ug/Kg
1928-43-4	(2,4-Dichlorophenoxy)-2-Ethyl Hexyl Ester Acetic Acid	60000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
1928-43-8	(2,4,5-Trichlorophenoxy)-2-Ethyl Hexyl Ester Acetic Acid	50000 ug/Kg
----	Hydrocarbon	30000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Unknown	4000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Hydrocarbon	10000 ug/Kg
----	Hydrocarbon	10000 ug/Kg
----	Hydrocarbon	8000 ug/Kg

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



SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION C-7-C, 12-24", Borehole #4

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
----	Cyclic Hydrocarbon	100 ug/Kg
----	Unknown	300 ug/Kg
----	Cyclic Hydrocarbon	100 ug/Kg
----	Hydrocarbon	500 ug/Kg
----	Hydrocarbon	700 ug/Kg
----	Hydrocarbon	400 ug/Kg
----	Unknown	200 ug/Kg
<b>BASE/NEUTRAL/ACIDS:</b>		
108-90-7	Chlorobenzene	10000 ug/Kg
----	Unknown	10000 ug/Kg
----	Hydrocarbon	10000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Unknown	10000 ug/Kg
----	Dimethylnaphthalene	20000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Trimethylnaphthalene	9000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Unknown	20000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Unknown	10000 ug/Kg
----	Unknown	20000 ug/Kg
----	Hydrocarbon	30000 ug/Kg
----	Hydrocarbon	20000 ug/Kg
----	Hydrocarbon	30000 ug/Kg
----	Hydrocarbon	30000 ug/Kg
----	Hydrocarbon	30000 ug/Kg
----	Unknown	20000 ug/Kg
----	Hydrocarbon	30000 ug/Kg
72-54-8	P,P' DDD	20000 ug/kg
----	Unknown	20000 ug/Kg
----	Hydrocarbon	30000 ug/Kg

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



**SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: STATION C-7-C, 6.5-8', Borehole #4

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
-------	-------------------------	--------------------------

**VOLATILES:**

	NONE FOUND	

**BASE/NEUTRAL/ACIDS:**

108-88-3	Toluene	40000 ug/Kg
104-76-7	2-Ethyl-1-Hexanol	60000 ug/Kg
----	Chlorophenol Isomer	100000 ug/Kg
1928-43-4	2,4-D	400000 ug/Kg
----	Unknown	20000 ug/Kg
----	Unknown	40000 ug/Kg
----	Unknown	10000 ug/Kg
1928-47-8	2,4,5-T	70000 ug/Kg

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

SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION A-2-K, 0-6", Borehole #5

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
	NONE FOUND	

**BASE/NEUTRAL/ACIDS:**

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
50-29-3	4,4'-DDT	200000.ug/Kg
74-54-8	P,P'-DDD	30000.ug/Kg

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

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**SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

**SAMPLE ID: STATION A-3-C, 0-6", Borehole #6**

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
----	DDT	100000 ug/Kg

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

**SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: STATION A-3-C, 12-24", Borehole #6

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
----	Unknown	60.ug/Kg
----	Dimethylcyclopentane Isomer	250.ug/Kg
----	Unknown	4000.ug/Kg
----	Unknown	200.ug/Kg
4516-69-2	1,1,3-Trimethylcyclopentane	700.ug/Kg
----	Hydrocarbon	100.ug/Kg
<b>BASE/NEUTRAL/ACIDS:</b>		
----	Hydrocarbon	50000.ug/Kg
----	Unknown	60000.ug/Kg
----	A DDD Isomer	100000.ug/Kg
----	A DDD Isomer	300000.ug/Kg
----	Unknown	70000.ug/Kg
50-29-3	4,4'-DDT	1000000.ug/Kg
----	Unknown	60000.ug/Kg
----	Unknown	100000.ug/Kg

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

SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION A-3-C, 6.5-8.0', Borehole #6

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
----	Unknown	300.ug/Kg
1638-26-2	1,1-dimethylcyclopentane	1000.ug/Kg
----	Dimethylcyclopentane Isomer	2000.ug/Kg
----	Unknown	10000.ug/Kg
----	Unknown	6000.ug/Kg
4516-69-2	1,1,3-Trimethylcyclopentane	8000.ug/Kg
----	Unknown	9000.ug/Kg
----	Trimethylcyclopentane Isomer	8000.ug/Kg
----	Hydrocarbon	4000.ug/Kg
----	Unknown	4000.ug/Kg
----	Unknown	4000.ug/Kg
<b>BASE/NEUTRAL/ACIDS:</b>		
----	Unknown	200000.ug/Kg
----	Unknown	40000.ug/Kg

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



SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

SAMPLE ID: STATION D-1-F, 0-6", Borehole #7

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
---	A DDD Isomer	5000.ug/Kg
74-54-8	P,P'-DDD	7000.ug/Kg
50-29-7	4,4'-DDT	20000.ug/Kg
510-15-6	Chlorobenzilate	3000.ug/Kg

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





SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS

E-283

SAMPLE ID: STATION F-7-B, 0-6", Borehole #8

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b>VOLATILES:</b>		
----	Unknown	100.ug/Kg
----	Unknown	40.ug/Kg
<b>BASE/NEUTRAL/ACIDS:</b>		
----	Unknown	800.ug/Kg
----	A Trimethylcyclopentane Isomer	1000.ug/Kg
----	A Trimethylcyclopentane Isomer	1000.ug/Kg
108-88-3	Toluene	1000.ug/Kg
----	Unknown	8000.ug/Kg
----	A Chlorophenol Isomer	1000.ug/Kg
----	Unknown	800.ug/Kg
----	A Methylnachthalene Isomer	2000.ug/Kg
----	A Tetrachlorobenzene Isomer	1000.ug/Kg
----	Unknown	2000.ug/Kg
----	A Dimethylnachthalene Isomer	1000.ug/Kg
----	Unknown	1000.ug/Kg
----	Unknown	1000.ug/Kg
----	DDD Isomer	3000.ug/Kg
----	DDT Isomer	2000.ug/Kg
----	Unknown	6000.ug/Kg
----	Unknown	4000.ug/Kg
----	Unknown	4000.ug/Kg

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

SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTSSAMPLE ID: STATION F-7-B, 0-6", Borehole #8

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<u>VOLATILES:</u>		
----	Unknown	100.ug/Kg
----	Unknown	40.ug/Kg
<u>BASE/NEUTRAL/ACIDS:</u>		
----	Unknown	800.ug/Kg
----	A Trimethylcyclopentane Isomer	1000.ug/Kg
----	A Trimethylcyclopentane Isomer	1000.ug/Kg
108-88-3	Toluene	1000.ug/Kg
----	Unknown	8000.ug/Kg
----	A Chlorophenol Isomer	1000.ug/Kg
----	Unknown	800.ug/Kg
----	A Methylnachthalene Isomer	2000.ug/Kg
----	A Tetrachlorobenzene Isomer	1000.ug/Kg
----	Unknown	2000.ug/Kg
----	A Dimethylnachthalene Isomer	1000.ug/Kg
----	Unknown	1000.ug/Kg
----	Unknown	1000.ug/Kg
----	DDD Isomer	3000.ug/Kg
----	DDT Isomer	2000.ug/Kg
----	Unknown	6000.ug/Kg
----	Unknown	4000.ug/Kg
----	Unknown	4000.ug/Kg

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

**SOIL AT DEPTH  
TENTATIVELY IDENTIFIED COMPOUNDS  
SEMI-QUANTITATIVE RESULTS**

SAMPLE ID: **STATION F-7-B, 6.5-8', Borehole #8**

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION*
<b><u>VOLATILES:</u></b>		
	NONE FOUND	
<b><u>BASE/NEUTRAL/ACIDS:</u></b>		
108-88-3	Toluene	7000.ug/Kg
108-90-7	Chlorobenzene	40000.ug/Kg
104-76-7	2-Ethyl-1-Hexanol	4000.ug/Kg
----	A Chlorophenol Isomer	5000.ug/Kg
----	Unknown	5000.ug/Kg

**VOLATILES:**

NONE FOUND

**BASE/NEUTRAL/ACIDS:**

108-88-3	Toluene	7000.ug/Kg
108-90-7	Chlorobenzene	40000.ug/Kg
104-76-7	2-Ethyl-1-Hexanol	4000.ug/Kg
----	A Chlorophenol Isomer	5000.ug/Kg
----	Unknown	5000.ug/Kg

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

SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

E-286

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	>2700 ppb	218 ppb	93.6 ppb	12.1 ppb	2.2 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-	126 ppb	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-	82 ppb	-

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	100,000	-
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	-

SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
<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	14,000	-
75-09-2	Methylene chloride	69	-	60	11,000	-
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	20,000*	-
75-15-0	Carbon disulfide	ND	-	ND	ND	-



SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
<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	1700*	-
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	-	6600	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	3400	-	6000	74,000	-

SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
<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	14000	-
118-74-1	Hexachlorobenzene	19000	-	13000	30000	-
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	-	570*	13000	-
541-73-1	1,3-Dichlorobenzene	ND	-	ND	3400*	-
106-46-7	1,4-Dichlorobenzene	ND	-	960*	28000	-
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	1100*	-	4600	1300*	-
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	-

SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
<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	13000	-
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-nitrosodipropyl- amine	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)fluor- anthene	ND	-	ND	1900*	-
207-08-9	Benzo(K)fluoranthene	ND	-	ND	ND	-

SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
<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	870*	-	2300	2200*	-
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	2000*	-	2100	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	-	850*	8800	-
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	-

SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	830,000	-	950,000	140,000	-
72-55-9	4,4'-DDE	20,000	-	ND	ND	-
72-54-8	4,4'-DDD	78,000	-	180,000	370,000	-
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	130,000	-	120,000	100,000	-
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	-

SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	21,000	-	94,000	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	1200	-	2000	1000	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	460	-	860	610	-
94-82-6	2,4-DB	ND	-	ND	ND	-
88-85-7	Dinoseb (DNBP)	590	-	ND	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	1.9	-	1.1	<0.1	-
	Arsenic	9.6	-	13	10	-
	Beryllium	<0.1	-	0.2	0.1	-
	Cadmium	0.8	-	1.8	<0.1	-
	Chromium	32	-	18	25	-
	Copper	170	-	82	91	-
	Lead	320	-	1900	50	-
	Mercury	2.9	-	1.4	3.8	-
	Nickel	48	-	36	12	-
	Selenium	<0.7	-	<0.7	<0.5	-

SOIL AT DEPTH: STATION I-2-L, BOREHOLE #1  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.5'	(Silt) 17-19'
<u>Metals (Continued)</u>						
	Silver	0.9	-	0.3	<0.2	-
	Thallium	<2	-	<2	<2	-
	Zinc	280	-	190	100	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.25	-	0.5	1.2	-
	Total Phenols	2.9	-	4.1	28	-

D255A-PRS3-1 to 9

SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	523 ppb	883 ppb	830 ppb	20.9 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-	ND (0.96 ppb)
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-	2.7 ppb

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

71-43-2	Benzene	ND	-	ND	22000
56-23-5	Carbon tetrachloride	ND	-	ND	ND
108-90-7	Chlorobenzene	ND	-	ND	52000
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



SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
<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	63	-	64	10000*
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	180000
79-01-6	Trichloroethene	ND	-	ND	ND
75-01-4	Vinyl chloride	ND	-	ND	ND
67-64-1	Acetone	ND	-	150*	ND
78-93-3	2-Butanone	ND	-	ND	ND
75-15-0	Carbon disulfide	ND	-	ND	ND

SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
<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	2200	-	4400	360000
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	5900	-	4700	1400000
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	3100	-	12000	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	3300	-	16000	270000

SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
<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	1100*	-	8500	ND
118-74-1	Hexachlorobenzene	13000	-	52000	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	470*	-	3400*	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

SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
<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	16000*
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	-	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	-	1900*	ND
50-32-8	Benzo(A)pyrene	ND	-	1600*	ND
205-99-2	Benzo(B)fluor- anthene	ND	-	7400	ND
207-08-9	Benzo(K)fluoranthene	ND	-	ND	ND

SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
<u>Base/Neutral/Acids (Continued)</u>					
218-01-9	Chrysene	ND	-	4200	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	ND	-	720*	ND
53-70-3	Dibenzo(A,H) anthracene	ND	-	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	-	1400*	ND
129-00-0	Pyrene	560*	-	3300*	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	14000*
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

SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
<u>Pesticides and PCBs (Continued)</u>					
50-29-3	4,4'-DDT	110000	-	420000	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

SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>					
75-99-0	Dalapon (Dowpon)	3700	-	7000	ND
1918-00-9	Dicamba	1700	-	1600	ND
7085-19-0	MCPP	ND	-	ND	ND
94-74-6	MCPA	ND <sup>a</sup>	-	ND <sup>a</sup>	ND
120-36-5	Dichloroprop (2,4-DP)	ND	-	ND	ND
94-75-7	2,4-D	120000	-	7500	2800000
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND
93-76-5	2,4,5-T	35000	-	ND	690000
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	1.8	-	1.4	<0.1
	Arsenic	8.6	-	11	11
	Beryllium	<0.1	-	<0.1	<0.1
	Cadmium	1.3	-	0.6	<0.1
	Chromium	53	-	33	17
	Copper	290	-	130	44
	Lead	1400	-	390	19
	Mercury	6.0	-	2.8	<0.1
	Nickel	74	-	38	19
	Selenium	<0.8	-	<0.9	<0.5

SOIL AT DEPTH: STATION I-5-A, BOREHOLE #2  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	13.5-15.2'
<u>Metals (Continued)</u>					
	Silver	<0.2	-	<0.2	<0.2
	Thallium	<2	-	<2	<2
	Zinc	340	-	420	46
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>					
	Total Cyanide	0.30	-	0.42	0.15
	Total Phenols	6.9	-	11	1600

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide; estimated concentration range 100,000 to 500,000 ppb. (MCPA was not detected.)

D255A-PRS12.1 to 9



SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name						(SILT)
		0-6"	6-12"	12-24"	7-8.5'	13.5-15.2'	
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	350 ppb	3510 ppb	59.3 ppb	5.8 ppb	2.8 ppb	
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-	10.1 ppb	-	
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-	ND (0.62 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	-	60	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	-	

SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	(SILT)	
					7.8.5'	13.5-15.2'
<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	89	-	100	65	-
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	-	15*	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	150*	-	260*	85*	-
78-93-3	2-Butanone	ND	-	ND	ND	-
75-15-0	Carbon disulfide	ND	-	ND	ND	-

SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	7.8.5'	(SILT)
						13.5-15.2'
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	-
Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)						
88-06-2	2,4,6-Trichlorophenol	32000	-	ND	2700	-
59-50-7	4-Chloro-3-methyl-phenol	ND	-	ND	ND	-
95-57-8	2-Chlorophenol	2000*	-	ND	ND	-
120-33-2	2,4-Dichlorophenol	98000	-	6300	16000	-
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	20000	-	ND	12000	-

SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	7.8.5'	(SILT)
						13.5-15.2'
<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	6500*	-	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	620*	-
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	-

SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	7.8.5'	(SILT)
						13.5-15.2'
<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	-	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)fluor- anthene	ND	-	ND	ND	-
207-08-9	Benzo(K)fluoranthene	ND	-	ND	ND	-

SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	7.8.5'	(SILT)
						13.5-15.2'
<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	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	460*	-
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 µg/kg)</u>						
309-00-2	Aldrin	ND	-	ND	ND	-
60-57-1	Dieldrin	ND	-	ND	ND	-
57-74-9	Chlordane	ND	-	ND	ND	-

SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	7.8.5'	(SILT) 13.5-15.2'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	ND	-	ND	100**	-
72-55-9	4,4'-DDE	6500	-	2400	290**	-
72-54-8	4,4'-DDD	ND	-	ND	42**	-
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	-

SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	7.8.5'	(SILT)
						13.5-15.2'
<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	6500	-	8900	2000	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	2500	-	3100	670	-
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	0.5	-	0.1	0.1	-
	Arsenic	1.0	-	2.9	5.7	-
	Beryllium	<0.1	-	3.7	<0.1	-
	Cadmium	0.5	-	0.3	0.1	-
	Chromium	15	-	13	10	-
	Copper	77	-	120	24	-
	Lead	300	-	360	260	-
	Mercury	0.7	-	0.5	0.2	-
	Nickel	32	-	29	7.6	-
	Selenium	<3	-	<0.9	<0.6	-



SOIL AT DEPTH: STATION I-7-K, BOREHOLE #3  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	7.8.5'	(SILT) 13.5-15.2'
<u>Metals (Continued)</u>						
	Silver	<0.2	-	<0.2	<0.2	-
	Thallium	<2	-	<2	<2	-
	Zinc	190	-	710	45	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.10	-	1.4	0.10	-
	Total Phenols	13	-	4.2	7.9	-

D255-PRS9-1 to 9

SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	130 ppb	784 ppb	247 ppb	71.8 ppb	2.1 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	8.2 ppb	-	-	1.0 ppb	ND (0.49 ppb)
3268-87-9	Octachlorodibenzo-p-dioxin	49 ppb	-	-	2.2 ppb	1.1 ppb

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

71-43-2	Benzene	ND	-	680	5600	-
56-23-5	Carbon tetrachloride	ND	-	ND	ND	-
108-90-7	Chlorobenzene	ND	-	720	27000	-
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	-

SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
<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	92	-	310	1400*	-
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	12*	-	ND	ND	-
79-01-6	Trichloroethene	ND	-	ND	ND	-
75-01-4	Vinyl chloride	ND	-	ND	ND	-
67-64-1	Acetone	160*	-	280*	4500	-
78-93-3	2-Butanone	ND	-	ND	6900	-
75-15-0	Carbon disulfide	ND	-	7*	ND	-

SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
<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	-	580	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	6000*	-
120-33-2	2,4-Dichlorophenol	ND	-	ND	330000	-
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	13000*	-
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	27000	-

SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
<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	-	2600	4600*	-
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	-

SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
<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	-	11000	4600*	-
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	14000	-	5100	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	-

SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

E-318

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
<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	ND	-	1900*	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	-	1300*	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	-	8000	8500*	-
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	-

SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	ND	-	ND	ND	-
72-55-9	4,4'-DDE	ND	-	3700	ND	-
72-54-8	4,4'-DDD	2000	-	42000	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	-



SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	500	-	ND	ND	-
1918-00-9	Dicamba	250	-	ND	ND	-
7085-19-0	MCPPP	ND <sup>a</sup>	-	ND <sup>a</sup>	ND	-
94-74-6	MCPA	ND <sup>a</sup>	-	ND <sup>a</sup>	ND	-
120-36-5	Dichloroprop (2,4-DP)	ND	-	ND	ND	-
94-75-7	2,4-D	80000	-	16000	230000	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	54000	-	14000	19000	-
94-82-6	2,4-DB	ND	-	ND	ND	-
88-85-7	Dinoseb (DNBP)	210	-	ND	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	1.5	-	2.0	0.8	-
	Arsenic	16	-	26	27	-
	Beryllium	<0.1	-	0.8	0.3	-
	Cadmium	2.2	-	1.2	0.3	-
	Chromium	72	-	20	7.4	-
	Copper	130	-	100	130	-
	Lead	460	-	180	740	-
	Mercury	3.2	-	0.5	2.6	-
	Nickel	22	-	23	72	-
	Selenium	<0.8	-	<0.8	<0.6	-

SOIL AT DEPTH: STATION C-7-C, BOREHOLE #4  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(Silt) 10-12'
<u>Metals (Continued)</u>						
	Silver	0.6	-	0.9	1.8	-
	Thallium	<2	-	<2	<2	-
	Zinc	490	-	1000	570	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	1.2	-	1.4	0.48	-
	Total Phenols	4.6	-	12	400	-

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide - estimated concentration range 50,000 to 500,000 ppb. (MCPP and MCPA are not detected.)

D255A-PRS11.1 to 9

SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt)
						12.7-14.7'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	56.3 ppb	36.0 ppb	72.5 ppb	0.36 ppb	ND(0.07 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	0.70 ppb	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	70 ppb	-	-

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	-

SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt)
						12.7-14.7'
<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	38*	-	160	48*	-
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	-	9*	ND	-
79-01-6	Trichloroethene	ND	-	ND	ND	-
75-01-4	Vinyl chloride	ND	-	ND	ND	-
67-64-1	Acetone	61*	-	240*	190*	-
78-93-3	2-Butanone	ND	-	ND	ND	-
75-15-0	Carbon disulfide	ND	-	ND	ND	-

SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt) 12.7-14.7'
<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	-

SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt) 12.7-14.7'
<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	35,000*	-	84,000	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	-

SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt)
						12.7-14.7'
<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	-	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)fluor- anthene	ND	-	ND	ND	-
207-08-9	Benzo(K)fluoranthene	ND	-	ND	ND	-

SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt) 12.7-14.7'
<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	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 µg/kg)</u>						
309-00-2	Aldrin	ND	-	ND	ND	-
60-57-1	Dieldrin	ND	-	ND	ND	-
57-74-9	Chlordane	ND	-	ND	ND	-



SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt)
						12.7-14.7'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	374,000	-	724,000	2000*	-
72-55-9	4,4'-DDE	57,900	-	297,000	1500*	-
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	830**	-	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	-

SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt) 12.7-14.7'
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	290	-	300	ND	-
1918-00-9	Dicamba	ND	-	100	ND	-
7085-19-0	MCPP	ND <sup>a</sup>	-	ND <sup>a</sup>	ND <sup>a</sup>	-
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	2400	-	2500	ND	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	1900	-	540	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	0.4	-	3.2	0.4	-
	Arsenic	1.6	-	17	120	-
	Beryllium	<0.1	-	0.6	0.1	-
	Cadmium	0.6	-	2.5	0.2	-
	Chromium	7.9	-	40	6.6	-
	Copper	46	-	730	6600	-
	Lead	73	-	700	200	-
	Mercury	0.1	-	2.2	5.6	-
	Nickel	15	-	170	9.6	-
	Selenium	<0.2	-	<0.8	<0.2	-

SOIL AT DEPTH: STATION A-2-K, BOREHOLE #5  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.5'	(Silt) 12.7-14.7'
<u>Metals (Continued)</u>						
	Silver	0.2	-	0.9	1.4	-
	Thallium	<2	-	<2	<2	-
	Zinc	180	-	1500	370	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.35	-	3.7	0.44	-
	Total Phenols	0.4	-	1.9	<0.1	-

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide - estimated concentration range 50,000 to 500,000 ppb. (MCP and MCPA are not detected.)

D255A-PRS4-1 to 9

SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	19.7 ppb	18.8 ppb	7.4 ppb	ND (0.02 ppb)	ND (0.3 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	5.0 ppb	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	22 ppb	-	-	-

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	-	49*	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	-

SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
<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	220	-
75-09-2	Methylene chloride	410	-	360	160	-
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	7*	-	1100	ND	-
79-01-6	Trichloroethene	ND	-	ND	ND	-
75-01-4	Vinyl chloride	ND	-	ND	ND	-
67-64-1	Acetone	57*	-	330*	390*	-
78-93-3	2-Butanone	ND	-	ND	ND	-
75-15-0	Carbon disulfide	ND	-	ND	13*	-

SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

E-333

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
<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	1200	-
<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	-

SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
<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	8700*	-	20,000*	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	-

SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
<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	-	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)fluor- anthene	ND	-	ND	ND	-
207-08-9	Benzo(K)fluoranthene	ND	-	ND	ND	-



SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
<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	ND	-	14,000*	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	8100*	-	18,000*	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 µg/kg)</u>						
309-00-2	Aldrin	ND	-	ND	ND	-
60-57-1	Dieldrin	ND	-	ND	ND	-
57-74-9	Chlordane	ND	-	ND	ND	-

SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	210,000	-	3,200,000	25,000	-
72-55-9	4,4'-DDE	22,000	-	34,400	600**	-
72-54-8	4,4'-DDD	4000	-	53,000	1000**	-
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	-

SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
<u>Chlorinated Herbicides (Concentration Units are in µg/kg)</u>						
75-99-0	Dalapon (Dowpon)	260	-	300	ND	-
1918-00-9	Dicamba	ND	-	ND	160	-
7085-19-0	MCPPP	ND <sup>a</sup>	-	ND <sup>a</sup>	ND <sup>a</sup>	-
94-74-6	MCPA	ND	-	ND	ND <sup>a</sup>	-
120-36-5	Dichloroprop (2,4-DP)	ND	-	ND	ND	-
94-75-7	2,4-D	940	-	110	140	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	200	-	180	ND	-
94-82-6	2,4-DB	ND	-	1400	ND	-
88-85-7	Dinoseb (DNBP)	ND	-	ND	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	3.2	-	2.5	1.1	-
	Arsenic	20	-	23	54	-
	Beryllium	<0.1	-	0.2	<0.1	-
	Cadmium	1.2	-	1.0	0.2	-
	Chromium	27	-	22	5.5	-
	Copper	160	-	95	41	-
	Lead	780	-	280	11,000	-
	Mercury	0.8	-	6.9	95	-
	Nickel	15	-	17	10	-
	Selenium	<0.6	-	<0.6	<2	-

SOIL AT DEPTH: STATION A-3-C, BOREHOLE #6  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.0'	(Silt) 11-13'
<u>Metals (Continued)</u>						
	Silver	0.7	-	<0.2	0.7	-
	Thallium	<2	-	<2	<2	-
	Zinc	3900	-	600	1300	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.55	-	1.3	0.25	-
	Total Phenols	0.2	-	0.2	0.3	-

<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. (MCP and MCPA are not detected.)

D255A-PRS5-1 to 9

SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.7'	(Silt)
						10.7-12.7'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	61.6 ppb	7.5 ppb	4.7 ppb	0.78 ppb	ND(0.06 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-	-	-

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	17*	-
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	-

SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	(Silt)	
					6.5-8.7'	10.7-12.7'
<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	210	-	190	75	-
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	-	12*	ND	-
79-01-6	Trichloroethene	ND	-	ND	ND	-
75-01-4	Vinyl chloride	ND	-	ND	ND	-
67-64-1	Acetone	ND	-	110*	180*	-
78-93-3	2-Butanone	ND	-	ND	ND	-
75-15-0	Carbon disulfide	ND	-	ND	ND	-

SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	(Silt)	
					6.5-8.7'	10.7-12.7'
<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	-	110	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	-

SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	(Silt)	
					6.5-8.7'	10.7-12.7'
<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	400*	-	ND	560*	-
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	-



SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	(Silt)	
					6.5-8.7'	10.7-12.7'
<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	260*	-
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	-	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)fluor- anthene	ND	-	ND	ND	-
207-08-9	Benzo(K)fluoranthene	ND	-	ND	ND	-

SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	(Silt)	
					6.5-8.7'	10.7-12.7'
<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	230*	-	ND	350*	-
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	270*	-	ND	420*	-
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	1600*	-
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	-

SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	(Silt)	
					6.5-8.7'	10.7-12.7'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	17000**	-	43000**	ND	-
72-55-9	4,4'-DDE	4200**	-	8100**	ND	-
72-54-8	4,4'-DDD	3000**	-	182000	20000**	-
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	-

SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	(Silt)	
					6.5-8.7'	10.7-12.7'
<u>Chlorinated Herbicides (Concentration Units are in <math>\mu\text{g}/\text{kg}</math>)</u>						
75-99-0	Dalapon (Dowpon)	160	-	470	ND	-
1918-00-9	Dicamba	230	-	160	ND	-
7085-19-0	MCPP	ND	-	ND <sup>a</sup>	ND	-
94-74-6	MCPA	ND	-	ND <sup>a</sup>	ND	-
120-36-5	Dichloroprop (2,4-DP)	ND	-	ND	ND	-
94-75-7	2,4-D	240	-	260	150	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	94	-	95	ND	-
94-82-6	2,4-DB	ND	-	ND	170	-
88-85-7	Dinoseb (DNBP)	ND	-	100	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	0.2	-	1.3	0.2	-
	Arsenic	2.1	-	17	8.3	-
	Beryllium	<0.1	-	<0.1	0.6	-
	Cadmium	0.9	-	2.3	0.9	-
	Chromium	13	-	30	14	-
	Copper	140	-	100	160	-
	Lead	99	-	2300	710	-
	Mercury	0.7	-	7.6	17	-
	Nickel	16	-	13	5.8	-
	Selenium	<0.5	-	<0.4	<0.8	-

SOIL AT DEPTH: STATION D-1-F, BOREHOLE #7  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8.7'	(Silt) 10.7-12.7'
<u>Metals (Continued)</u>						
	Silver	0.4	-	0.4	0.4	-
	Thallium	<2	-	<2	<2	-
	Zinc	180	-	710	630	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.73	-	1.2	0.57	-
	Total Phenols	0.70	-	2.2	0.70	-

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

D255A-PRS6-1 to 9

SOIL AT DEPTH: STATION F-7-B, BOREHOLE # 8  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8"	(Silt) 10-12"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	2560 ppb	109 ppb	687 ppb	2.4 ppb	0.49 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	26*	-	1700	ND	-
56-23-5	Carbon tetrachloride	ND	-	ND	ND	-
108-90-7	Chlorobenzene	330	-	24000	330	-
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	-
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	-

SOIL AT DEPTH: STATION F-7-B, BOREHOLE #8  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(SILT) 10-12'
<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	-	ND	ND	-
75-09-2	Methylene chloride	110	-	1600	90	-
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	-	2400	11*	-
79-01-6	Trichloroethene	ND	-	ND	ND	-
75-01-4	Vinyl chloride	ND	-	ND	ND	-
67-64-1	Acetone	62*	-	2300*	570	-
78-93-3	2-Butanone	ND	-	8900*	ND	-
75-15-0	Carbon disulfide	ND	-	ND	ND	-

SOIL AT DEPTH: STATION F-7-B, BOREHOLE #8  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(SILT) 10-12'
<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	-	ND	ND	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>						
88-06-2	2,4,6-Trichlorophenol	1300*	-	3600*	2000	-
59-50-7	4-Chloro-3-methyl-phenol	ND	-	ND	ND	-
95-57-8	2-Chlorophenol	230*	-	820*	1200*	-
120-33-2	2,4-Dichlorophenol	10000	-	27000	36000	-
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	-	1400*	820*	-
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	1500*	-	1600*	ND	-



SOIL AT DEPTH: STATION F-7-B, BOREHOLE #8  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(SILT) 10-12'
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	2200	-	4600	ND	-
92-87-5	Benzidine	ND	-	ND	ND	-
120-82-1	1,2,4-Trichlorobenzene	430*	-	580*	ND	-
118-74-1	Hexachlorobenzene	21000	-	4900	ND	-
67-72-1	Hexachloroethane	ND	-	ND	ND	-
111-44-4	Bis(2-chloroethyl) ether	ND	-	ND	ND	-
91-58-7	2-Chloronaphthalene	1100*	-	850*	ND	-
95-50-1	1,2-Dichlorobenzene	770*	-	8600	ND	-
541-73-1	1,3-Dichlorobenzene	ND	-	780*	ND	-
106-46-7	1,4-Dichlorobenzene	2700	-	49000	5100	-
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	3200	-	3200*	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	-

SOIL AT DEPTH: STATION F-7-B, BOREHOLE #8  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(SILT) 10-12'
<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	1300*	-	ND	320*	-
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	-	2600*	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	-

SOIL AT DEPTH: STATION F-7-B, BOREHOLE #8  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(SILT) 10-12'
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	ND	-	ND	ND	-
208-96-8	Acenaphthylene	ND	-	ND	ND	-
120-12-7	Anthracene	950*	-	1200*	ND	-
191-24-2	Benzo(GHI)perylene	ND	-	ND	ND	-
86-73-7	Fluorene	2100	-	4200	ND	-
85-01-	Phenanthrene	3800	-	6400	ND	-
53-70-3	D-benzo(A,H) anthracene	ND	-	ND	ND	-
193-39-5	Indeno(1,2,3-CD)pyrene	ND	-	ND	ND	-
129-00-0	Pyrene	6500	-	4600	ND	-
62-53-3	Aniline	ND	-	ND	ND	-
100-51-6	Benzyl alcohol	ND	-	20000	41000	-
106-47-8	4-Chloroaniline	ND	-	ND	ND	-
132-64-9	Dibenzofuran	1300*	-	2100*	ND	-
91-57-6	2-Methylnaphthalene	2600	-	5200	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	-

SOIL AT DEPTH: STATION F-7-B, BOREHOLE #8  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(SILT) 10-12'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	ND	-	ND	ND	-
72-55-9	4,4'-DDE	30000	-	16000	370	-
72-54-8	4,4'-DDD	4200	-	3900	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	-	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	-

SOIL AT DEPTH: STATION F-7-B, BOREHOLE #8  
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(SILT) 10-12'
<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 <sup>a</sup>	-	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	9000	-	4000	19000	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	1500	-	410	990	-
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	11	-	3.5	0.8	-
	Arsenic	6.9	-	2.1	17	-
	Beryllium	<0.1	-	<0.1	1.4	-
	Cadmium	3.0	-	2.1	3.0	-
	Chromium	49	-	13	17	-
	Copper	170	-	98	300	-
	Lead	740	-	220	470	-
	Mercury	11	-	1.2	6.4	-
	Nickel	95	-	17	66	-
	Selenium	<0.8	-	<0.6	2.5	-

SOIL AT DEPTH: STATION F-7-B, BOREHOLE #8  
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	6.5-8'	(SILT) 10-12'
<u>Metals (Continued)</u>						
	Silver	0.92	-	<0.2	0.5	-
	Thallium	<2	-	<2	<2	-
	Zinc	550	-	190	870	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	0.27	-	0.15	0.35	-
	Total Phenols	8.3	-	5.0	36	-

<sup>a</sup>An unidentified component was detected in the retention time window for this herbicide; estimated concentration range 100,000 to 500,000 ppb. (MCPP was not detected.)

D255-PRS7-1 to 9

Soil at Depth Report 2000 Archive Data.

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PAGE 1

CLIENT #	SOIL 2	SAM.DESC
A-3-C-0356-103-S-G	840913	Soil: Station A-3-C, Borehole #6, 2'-3.5'
A-3-C-0357-104-S-G	840913	Soil: Station A-3-C, Borehole #6, 3.5'-5.0'
A-3-C-0358-105-S-G	840913	Soil: Station A-3-C, Borehole #6, 5.0'-6.5'
A-3-C-0416-200-S-G	840914	Soil: Station A-3-C, Borehole #6, 9-11', silt layer
A-3-C-0418-202-S-G	840914	Soil: Station A-3-C, Borehole #6, 13-15', silt layer
A-3-C-0419-203-S-G	840914	Soil: Station A-3-C, Borehole #6, 15-17', silt layer
A-3-C-0420-204-S-G	840914	Soil: Station A-3-C, Borehole #6, 17-19', silt layer
A-2-K-0437-103-S-G	840917	Soil: Station A-2-K, Borehole #5, 2-3.5'
A-2-K-0438-104-S-G	840917	Soil: Station A-2-K, Borehole #5, 3.5-5'
A-2-K-0439-105-S-G	840917	Soil: Station A-2-K, Borehole #5, 5-6.5'
A-2-K-0530-200-S-G	840918	Soil: Station A-2-K, Borehole #5, 10.7'-12.7', silt
A-2-K-0532-202-S-G	840918	Soil: Station A-2-K, Borehole #5, 14.7'-16.7', silt
A-2-K-0533-203-S-G	840918	Soil: Station A-2-K, Borehole #5, 16.7'-18.7', silt
D-1-F-0546-103-S-G	840919	Soil: Station D-1-F, Borehole #7, 2'-3.5'
D-1-F-0547-104-S-G	840919	Soil: Station D-1-F, Borehole #7, 3.5'-5'
D-1-F-0548-105-S-G	840919	Soil: Station D-1-F, Borehole #7, 5'-6.5'
D-1-F-0600-200-S-G	840920	Soil: Station D-1-F, Borehole #7, 8.7'-10.7'
D-1-F-0602-202-S-G	840920	Soil: Station D-1-F, Borehole #7, 12.7'-14.7'
D-1-F-0603-203-S-G	840920	Soil: Station D-1-F, Borehole #7, 14.7'-16.7'
D-1-F-0604-204-S-G	840920	Soil: Station D-1-F, Borehole #7, 16.7'-18.7'
C-7-C-0645-103-S-G	840920	Soil: Station C-7-C, Borehole #4, 2'-3.5'
C-7-C-0646-104-S-G	840920	Soil: Station C-7-C, Borehole #4, 3.5'-5.0'
C-7-C-0647-105-S-G	840920	Soil: Station C-7-C, Borehole #4, 5.0'-6.5'
C-7-C-0702-202-S-G	840921	Soil: Station C-7-C, Borehole #4, 12'-14'
C-7-C-0703-203-S-G	840921	Soil: Station C-7-C, Borehole #4, 14'-16'
F-7-B-0754-103-S-G	840922	Soil: Station F-7-B, Borehole #8, 2.4'-3.5'
F-7-B-0755-104-S-G	840922	Soil: Station F-7-B, Borehole #8, 3.5'-5'
F-7-B-0763-200-S-G	840924	Soil: Station F-7-B, Borehole #8, 8'-10'
F-7-B-0765-202-S-G	840924	Soil: Station F-7-B, Borehole #8, 12'-14'
F-7-B-0766-203-S-G	840924	Soil: Station F-7-B, Borehole #8, 14'-16'
F-7-B-0767-204-S-G	840924	Soil: Station F-7-B, Borehole #8, 16'-18'
I-2-L-0851-103-S-G	840927	Soil: Station I-2-L, Borehole #1, 2-3.5'
I-2-L-0852-104-S-G	840927	Soil: Station I-2-L, Borehole #1, 3.5-5'
I-2-L-0853-105-S-G	840927	Soil: Station I-2-L, Borehole #1, 5-6.5'
I-2-L-0854-106-S-G	840927	Soil: Station I-2-L, Borehole #1, 6.5-8'
I-2-L-0855-107-S-G	840927	Soil: Station I-2-L, Borehole #1, 8-9.5'
I-2-L-0856-108-S-G	840927	Soil: Station I-2-L, Borehole #1, 9.5-11'
I-5-A-0863-103-S-G	840925	Soil: Station I-5-A, Borehole #2, 2-3.5'
I-5-A-0864-104-S-G	840925	Soil: Station I-5-A, Borehole #2, 3.5-4'
I-5-A-0865-105-S-G	840925	Soil: Station I-5-A, Borehole #2, 5-6.5'
I-5-A-0866-106-S-G	840925	Soil: Station I-5-A, Borehole #2, 6.5-8'
I-5-A-0867-107-S-G	840925	Soil: Station I-5-A, Borehole #2, 8-9.5'
I-5-A-0868-108-S-G	840925	Soil: Station I-5-A, Borehole #2, 9.5-11'
I-5-A-0918-110-S-G	840925	Soil: Station I-5-A, Borehole #2, 11-12.5'
I-5-A-0919-111-S-G	840925	Soil: Station I-5-A, Borehole #2, 12.5-13.5'
I-2-L-1036-110-S-G	840927	Soil: Station I-2-L, Borehole #1, 9.5-12'
I-2-L-1037-111-S-G	840927	Soil: Station I-2-L, Borehole #1, 12.5-13'
I-7-K-1041-103-S-G	840928	Soil: Station I-7-K, Borehole #3, 2-3.5'
I-7-K-1042-104-S-G	840928	Soil: Station I-7-K, Borehole #3, 3.5-5'
I-7-K-1043-105-S-G	840928	Soil: Station I-7-K, Borehole #3, 5-6.5'

Soil: at Depth Geotech/TDD Archive File.

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PAGE 1

CLIENT #	SOFT 2	SAM.DESC
I-7-K-1044-106-S-G	840928	Soil: Station I-7-K, Borehole #3, 6.5-8'
I-7-K-1119-200-S-G	841001	Soil: Station I-7-K, Borehole #3, 9.5-11.5'
I-7-K-1153-300-S-G	841002	Soil: Station I-7-K, Borehole #3, 15-16.5'
I-7-K-1154-301-S-G	841002	Soil: Station I-7-K, Borehole #3, 16.5-18'
I-7-K-1155-302-S-G	841002	Soil: Station I-7-K, Borehole #3, 20-21.5'
I-7-K-1156-303-S-G	841002	Soil: Station I-7-K, Borehole #3, 26.5-28'
I-7-K-1157-304-S-G	841002	Soil: Station I-7-K, Borehole #3, 30-31.5'
I-7-K-1158-305-S-G	841002	Soil: Station I-7-K, Borehole #3, 35-36.5'
I-7-K-1159-306-S-G	841002	Soil: Station I-7-K, Borehole #3, 40-41.5'
I-7-K-1160-307-S-G	841002	Soil: Station I-7-K, Borehole #3, 45-46.5'
I-7-K-1195-308-S-G	841003	Soil: Station I-7-K, Borehole #3, 50-51.5'
I-7-K-1196-309-S-G	841003	Soil: Station I-7-K, Borehole #3, 55-56.5'
I-7-K-1197-310-S-G	841003	Soil: Station I-7-K, Borehole #3, 60-61.5'
I-7-K-1198-311-S-G	841003	Soil: Station I-7-K, Borehole #3, 65-66.5'
I-7-K-1199-312-S-G	841003	Soil: Station I-7-K, Borehole #3, 70-71.5'
I-7-K-1239-313-S-G	841003	Soil: Station I-7-K, Borehole #3, 74.5-76'
I-7-K-1240-314-S-G	841003	Soil: Station I-7-K, Borehole #3, 80-81.5'
I-2-L-1244-200-S-G	841004	Soil: Station I-2-L, Borehole #1, 15-17'
F-5-L-1291-100-S-G	841005	Soil: Station F-5-L, Borehole #9, 0-0.5'
F-5-L-1292-101-S-G	841005	Soil: Station F-5-L, Borehole #9, 0.5-1.0'
F-5-L-1293-102-S-G	841005	Soil: Station F-5-L, Borehole #9, 1.0-2.0'
F-5-L-1294-103-S-G	841005	Soil: Station F-5-L, Borehole #9, 2-3.5'
F-5-L-1295-104-S-G	841005	Soil: Station F-5-L, Borehole #9, 3.5-5'
F-5-L-1296-105-S-G	841005	Soil: Station F-5-L, Borehole #9, 5-6.5'
F-5-L-1300-109-S-G	841005	Soil: Station F-5-L, Borehole #9, 6.5-8'
I-2-L-1309-300-S-G	841008	Soil: Station I-2-L, Borehole #1, 20-21.5'
I-2-L-1310-301-S-G	841008	Soil: Station I-2-L, Borehole #1, 21.5-23'
I-2-L-1311-302-S-G	841008	Soil: Station I-2-L, Borehole #1, 25-26.5'
I-2-L-1312-303-S-G	841008	Soil: Station I-2-L, Borehole #1, 30-31.5'
I-2-L-1313-304-S-G	841008	Soil: Station I-2-L, Borehole #1, 35-36.5'
I-2-L-1314-305-S-G	841008	Soil: Station I-2-L, Borehole #1, 40-41.5'
I-2-L-1315-306-S-G	841009	Soil: Station I-2-L, Borehole #1, 45-46.5'
I-2-L-1316-307-S-G	841009	Soil: Station I-2-L, Borehole #1, 50-51.5'
I-2-L-1364-308-S-G	841009	Soil: Station I-2-L, Borehole #1, 55-56.5'
I-2-L-1365-309-S-G	841009	Soil: Station I-2-L, Borehole #1, 60-61.5'
I-2-L-1366-310-S-G	841009	Soil: Station I-2-L, Borehole #1, 65-66.5'
I-2-L-1367-311-S-G	841009	Soil: Station I-2-L, Borehole #1, 70-71.5'
I-2-L-1368-312-S-G	841009	Soil: Station I-2-L, Borehole #1, 75-76.5'
I-2-L-1369-313-S-G	841009	Soil: Station I-2-L, Borehole #1, 80-81.5'
F-5-L-1417-201-S-G	841010	Soil: Station F-5-L, Borehole #9, 14-16'
F-5-L-1419-203-S-G	841010	Soil: Station F-5-L, Borehole #9, 18.5-20.5'
F-5-L-149A-300-S-G	841011	Soil: Station F-5-L, Borehole #9, 20.5-22'
F-5-L-1499-301-S-G	841011	Soil: Station F-5-L, Borehole #9, 22-23.5'
F-5-L-1500-302-S-G	8410111	Soil: Station F-5-L, Borehole #9, 25-26.5'
F-5-L-1501-303-S-G	8410111	Soil: Station F-5-L, Borehole #9, 30-31.5'
F-5-L-1502-304-S-G	8410111	Soil: Station F-5-L, Borehole #9, 35-36.5'
F-5-L-1503-305-S-G	8410111	Soil: Station F-5-L, Borehole #9, 40-41.5'
F-5-L-1504-306-S-G	8410111	Soil: Station F-5-L, Borehole #9, 45-46.5'
F-5-L-1505-307-S-G	8410111	Soil: Station F-5-L, Borehole #9, 50-51.5'
F-5-L-1506-308-S-G	8410111	Soil: Station F-5-L, Borehole #9, 55-56.5'



## IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

Soil at Depth Geotech/TCOD Archive Soils.

PRODUCED ON 02/05/95 AT 11:25

PAGE 2

CLIENT #	SORT 2	SAM.DESC
F-5-L-1507-309-S-G	8410111	Soil: Station F-5-L, Borehole #9, 60-61.5'
F-5-L-1508-310-S-G	8410111	Soil: Station F-5-L, Borehole #9, 65-66.5'
F-5-L-1509-311-S-G	8410111	Soil: Station F-5-L, Borehole #9, 70-71.5'
F-5-L-1510-312-S-G	8410111	Soil: Station F-5-L, Borehole #9, 75-76.5'
F-5-L-1544-313-S-G	8410111	Soil: Station F-5-L, Borehole #9, 80-81.5'
G-5-E-1579-200-S-G	8410116	Soil: Station G-5-E, Borehole #10, 14-16'
G-5-E-1581-202-S-G	8410116	Soil: Station G-5-E, Borehole #10, 18-20'
G-5-E-1582-203-S-G	8410116	Soil: Station G-5-E, Borehole #10, 20-22'
F-5-E-1667-200-S-G	8410118	Soil: Station F-5-E, Borehole #11, 8.5-10.5'
F-5-E-1668-201-S-G	8410118	Soil: Station F-5-E, Borehole #11, 10.5-12.5'
F-5-E-1669-202-S-G	8410118	Soil: Station F-5-E, Borehole #11, 12.5-14.5'
F-5-E-1670-203-S-G	8410118	Soil: Station F-5-E, Borehole #11, 14.5-16.5'
F-5-E-1671-204-S-G	8410118	Soil: Station F-5-E, Borehole #11, 16.5-18.5'
F-5-E-1672-205-S-G	8410118	Soil: Station F-5-E, Borehole #11, 18.5-20.5'
9600-1835-103-S-G	8411116	Sherwin-Williams Borehole, 2-3.5'
9600-1836-104-S-G	8411116	Sherwin-Williams Borehole, 3.5-5'
9600-1837-105-S-G	8411116	Sherwin-Williams Borehole, 5-6.5'
9600-1838-106-S-G	8411116	Sherwin-Williams Borehole, 6.5-8'
9600-1839-107-S-G	8411116	Sherwin-Williams Borehole, 8-9.5'
9600-1840-108-S-G	8411116	Sherwin-Williams Borehole, 9.5-11'
9600-1844-200-S-G	8411120	Sherwin-Williams Borehole, 13-15', silt
9600-1846-202-S-G	8411120	Sherwin-Williams Borehole, 17-19', silt
9600-1847-203-S-G	8411120	Sherwin-Williams Borehole, 19-21', silt
9600-1848-204-S-G	8411120	Sherwin-Williams Borehole, 21-23', silt

205 RECORDS EXAMINED ; 124 SELECTIONS QUALIFIED

The following samples from the previous list are archived for dioxin analysis only--no geotechnical archive is available:

A-3-C-0357-104-S-G  
A-2-K-0438-104-S-G  
D-1-F-0547-104-S-G  
D-1-F-0604-204-S-G  
C-7-C-0645-103-S-G  
I-2-L-0852-104-S-G  
I-2-L-0855-107-S-G  
I-2-L-0856-108-S-G  
I-5-A-0864-104-S-G  
I-5-A-0865-105-S-G  
I-5-A-0866-106-S-G  
I-5-A-0967-107-S-G  
I-2-L-1037-111-S-G  
I-7-K-1044-106-S-G  
F-5-L-1417-201-S-G  
F-5-E-1667-200-S-G

The following samples from the previous list were removed from archive for dioxin analysis as part of this investigation:

C-7-C-0702-202-S-G  
F-5-E-1668-201-S-G  
F-5-E-1670-203-S-G  
I-2-L-1244-200-S-G  
I-7-K-1119-200-S-G