

SITE EVALUATION

80 LISTER AVENUE

SUBMITTED TO

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

PREPARED BY

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

FEBRUARY 1985

VOLUME II

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
Pollutants or
VOA only | 21 days from date received |
| Ambient Air | October 19, 1984 |
| Industrial
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 ⁽¹⁾ Metals, Cyanide, Phenols ⁽¹⁾	Directors Drive Cerritos, CA Middlebrook Pike
12"-24"	Dioxin All Organic PP ⁽²⁾ Metals, Cyanide, Phenols ⁽²⁾	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 ⁽³⁾ Metals, Cyanide, Phenols ⁽³⁾	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

⁽³⁾ 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 ⁽¹⁾
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
Sediment	Phenols		1
	Volatile PP	Lab-Pure Water	5
Water	Dioxin	Lab-Pure Water	5
	Volatile PP		5
	Extractable PP		5
	Metals		5
	Cyanide		5
	Phenols		5

⁽¹⁾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 Purgeable Organic PP Extractable Organic PP PP Metals Cyanide Phenols	Two 1-liter amber glass jars Two 40-ml clear glass vials One 1-gallon amber glass jug One 1-liter nalgene bottle One 1-liter nalgene bottle One 1-liter amber glass jar
River Sediment	Dioxin Organic PP PP Metals Cyanide Phenols	One 500-ml amber glass jar One 500-ml amber glass jar One 500-ml amber glass jar
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 Organic PP PP Metals Cyanide Phenols	One 250-ml amber glass jar One 500-ml amber glass jar One 500-ml amber glass jar

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 ₃ ⁽¹⁾ (to pH <2)
Cyanide	None	2 ml conc. NaOH ⁽¹⁾ (to pH >12)
Phenols	None	2 ml conc. H ₂ SO ₄ ⁽¹⁾ (to pH <2)

⁽¹⁾ 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.

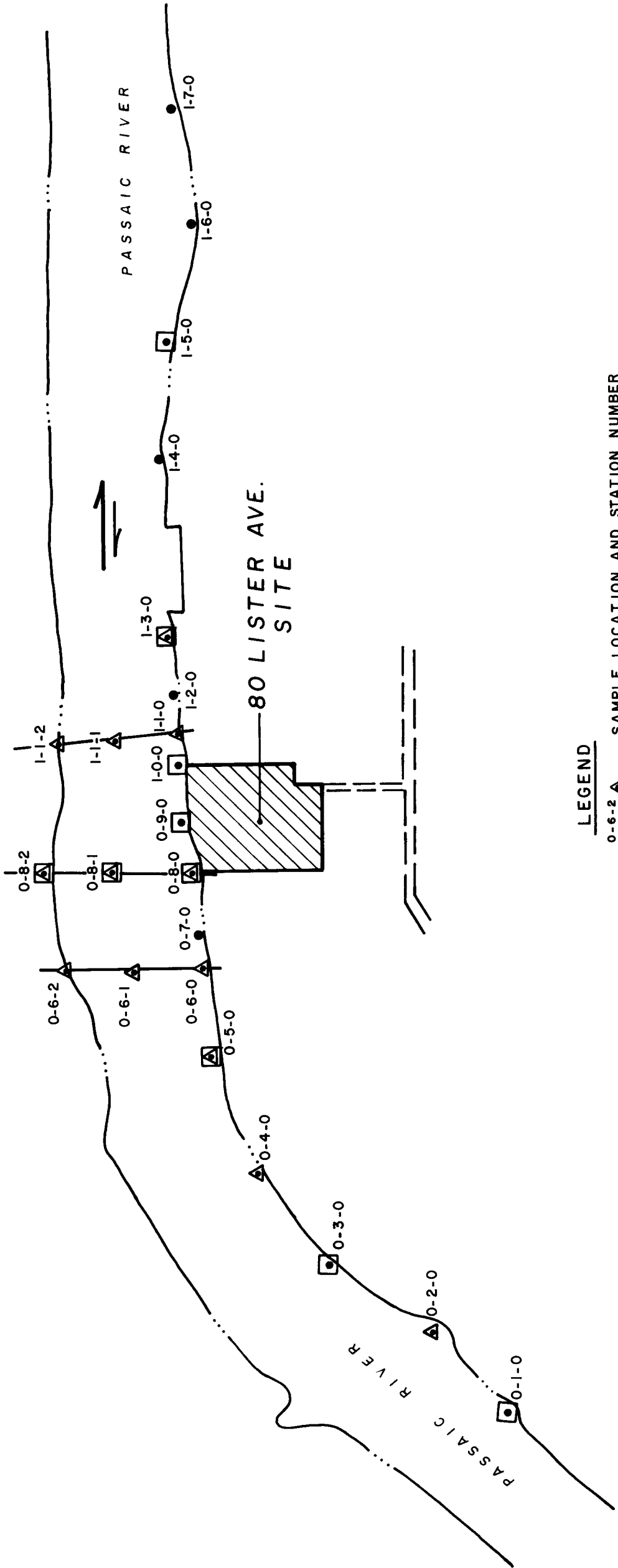
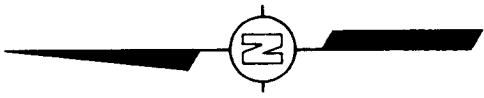
TABLE A-5
LIMS TEST CODES FOR SAMPLE ANALYSIS

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 2-13-85
 APPROVED BY DGE 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

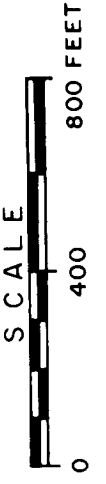
- ◻ SAMPLE LOCATION, 0"-12" (5 SAMPLES)
- ◻ SAMPLE LOCATION, 0"-12" AND 12"-24" (10 SAMPLES)

FIGURE A-1

SEDIMENT SAMPLING LOCATIONS

PREPARED FOR

DIAMOND SHAMROCK
 DALLAS, TEXAS



... Creating a Safer Tomorrow

DRAWING NUMBER 846248 - A39

D. Weick
1-29-85
CHECKED BY
APPROVED BY

DRAWN BY

12-DIGIT DESIGNATION LABEL SET

10-DIGIT DESIGNATION LABEL SET

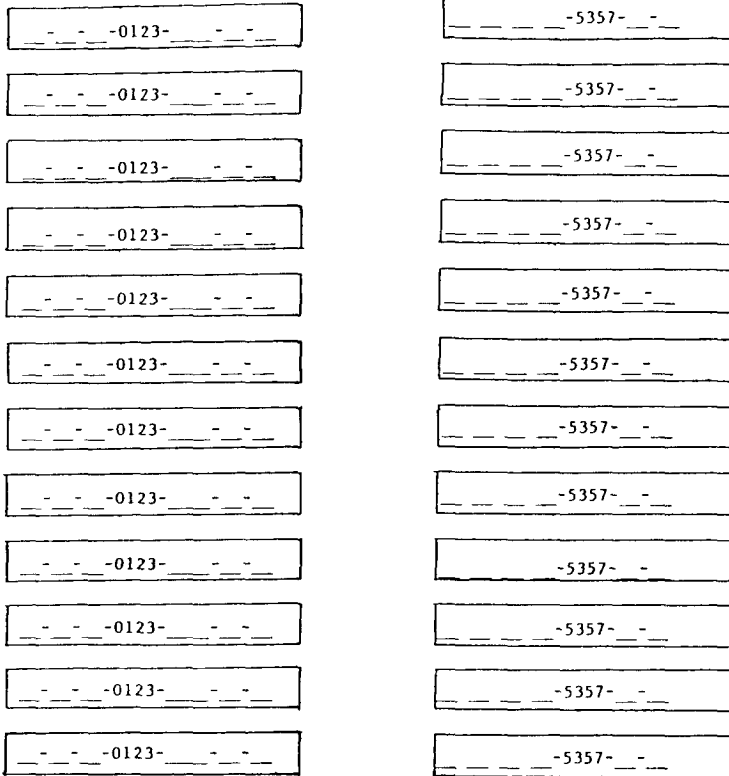


FIGURE A-3

EXAMPLE OF LABEL SETS

PREPARED FOR

DIAMOND SHAMROCK
DALLAS, TEXAS



DRAWN BY D. Weick 1-29-85
 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 _____

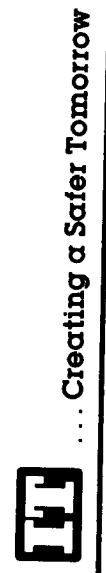
Relinquished by: _____ Relinquished by: _____
 1. Received by: _____ 3. Received by: _____
 Relinquished by: _____ Relinquished by: _____
 2. Received by: _____ 4. Received by: _____

**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

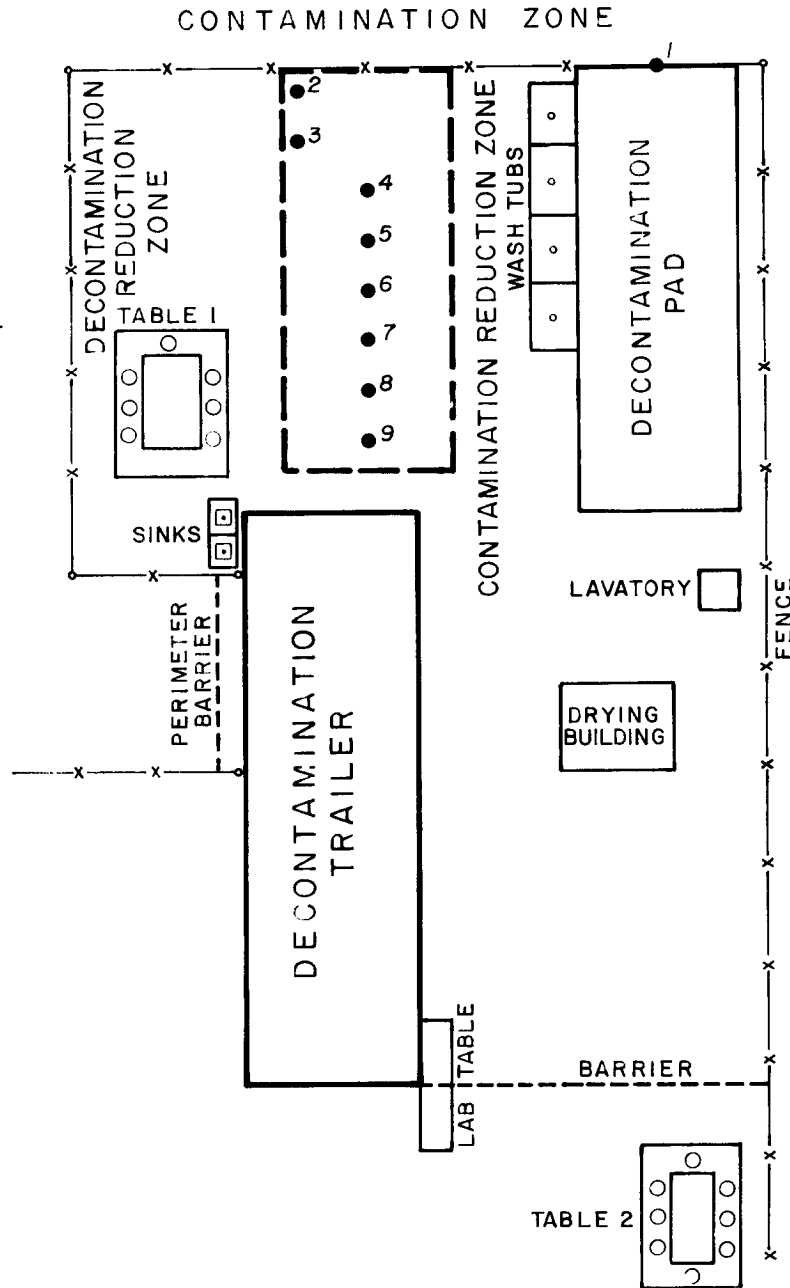
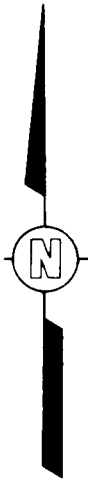


DRAWING NUMBER 846248-A7

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

DIAMOND SHAMROCK
DALLAS, TEXAS

65360

1984 IT CORPORATION
ALL COPYRIGHTS RESERVED

Do Not Scale This Drawing



... Creating a Safer Tomorrow

DRAWING NUMBER 846248 - A 38
 CHECKED BY D. Weick
 APPROVED BY I-29-85
 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

PREPARED FOR
 DIAMOND SHAMROCK
 DALLAS, TEXAS



... Creating a Safer Tomorrow

DRAWING 846248 - A40
NUMBER

CHECKED BY
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 & Sample Type 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

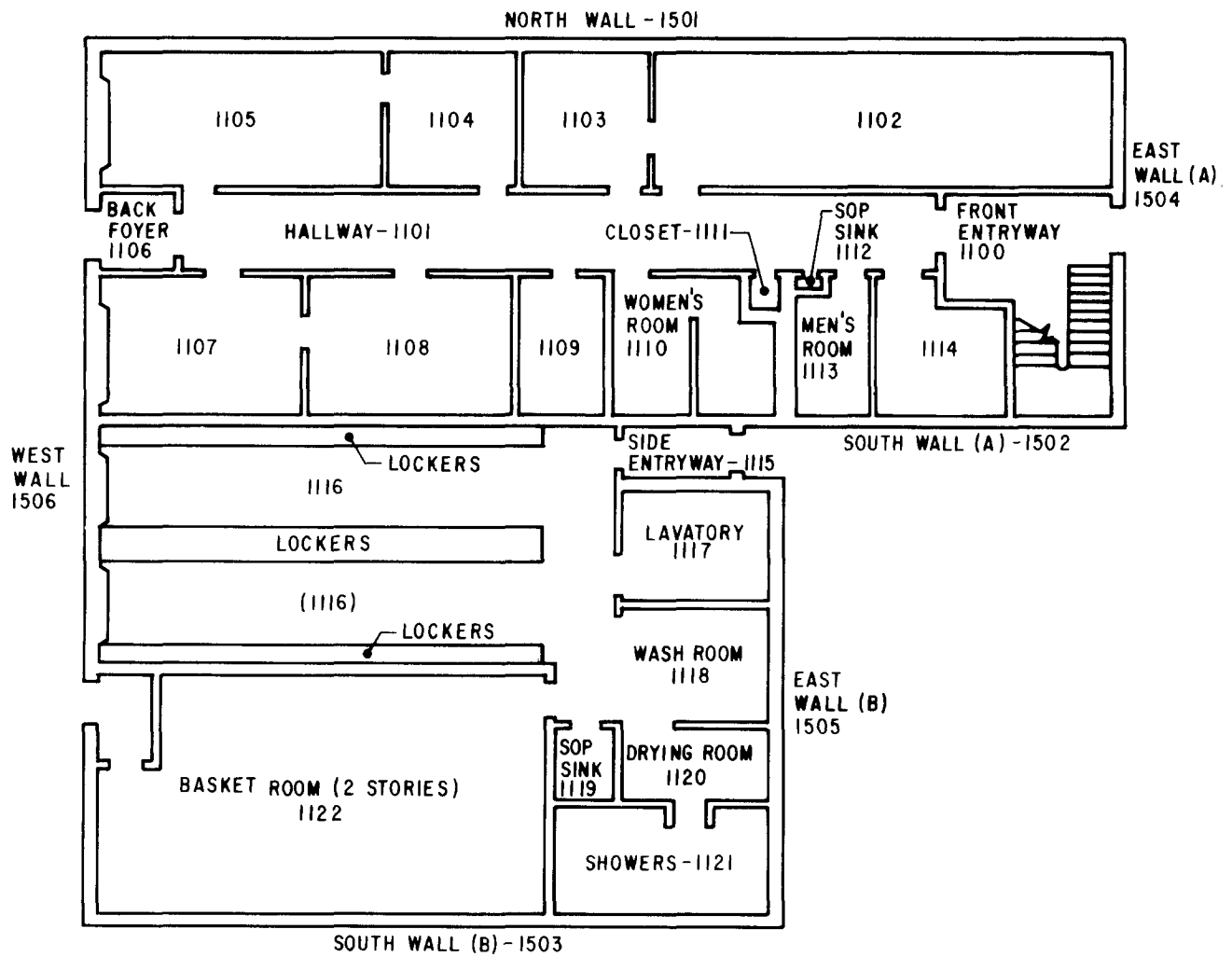


FIGURE AI-1

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

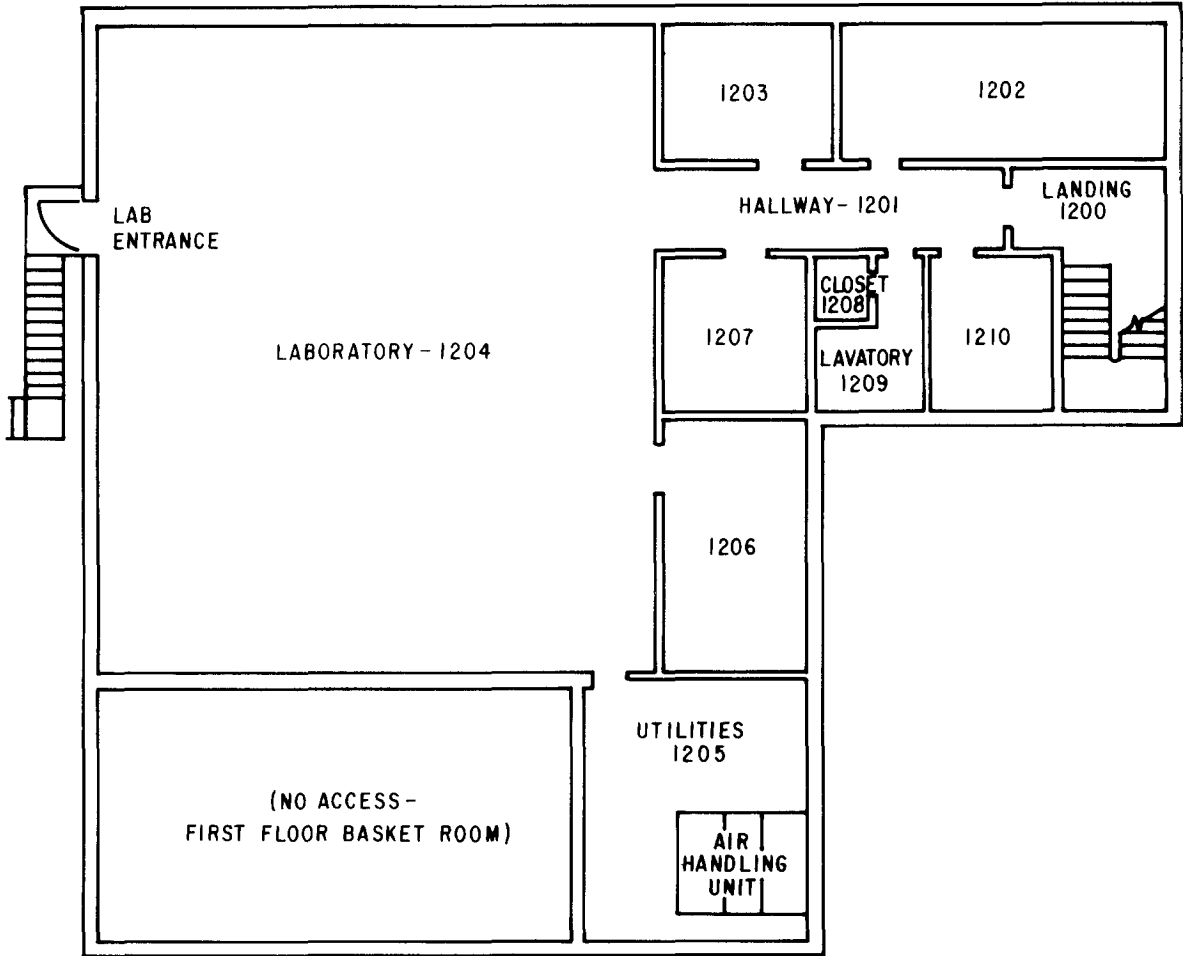


FIGURE A1-2

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

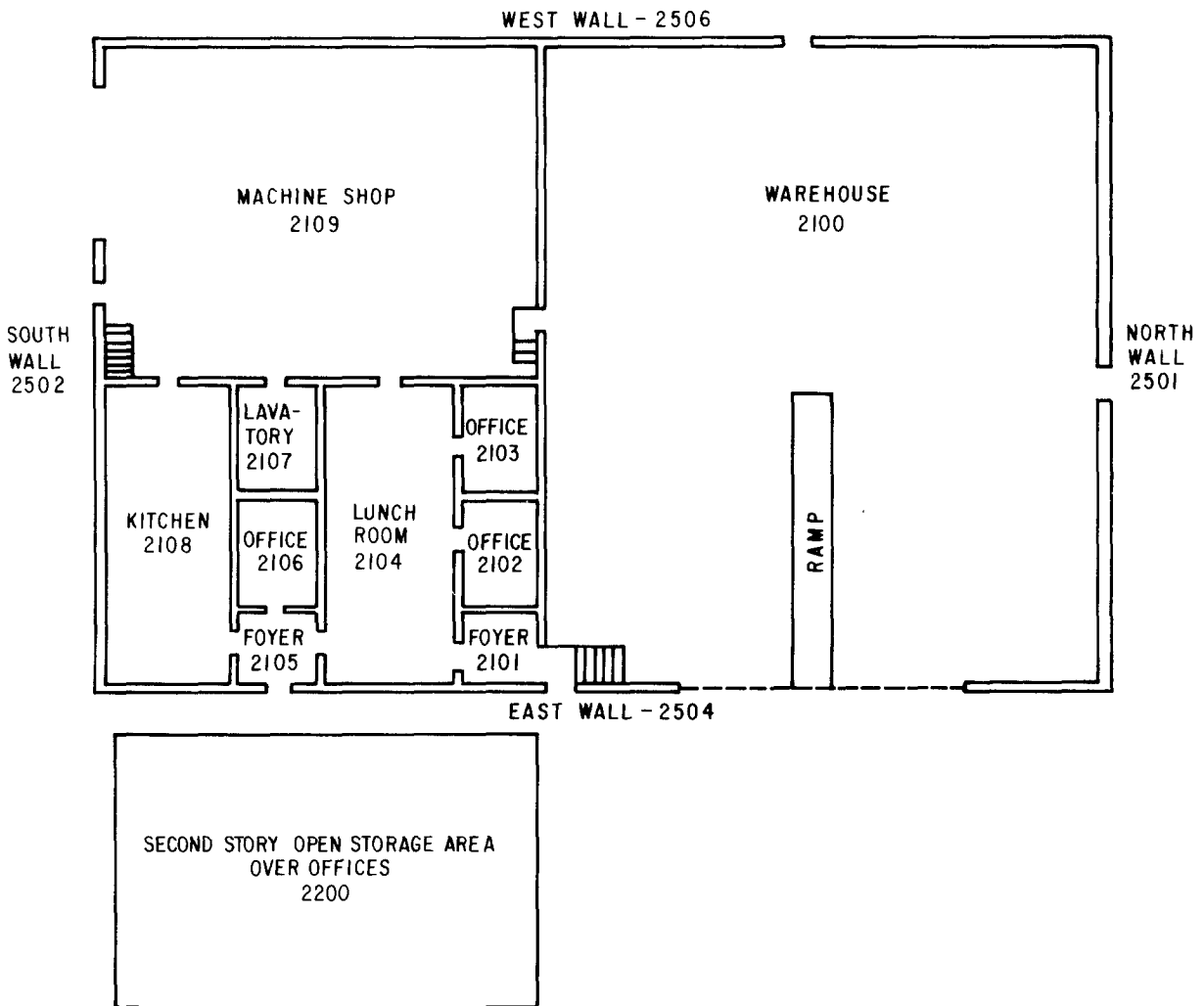


FIGURE AI-3

WAREHOUSE ROOM AND EXTERNAL WALL CODES

PREPARED FOR

DIAMOND SHAMROCK
DALLAS, TEXAS



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

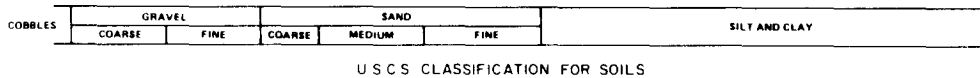
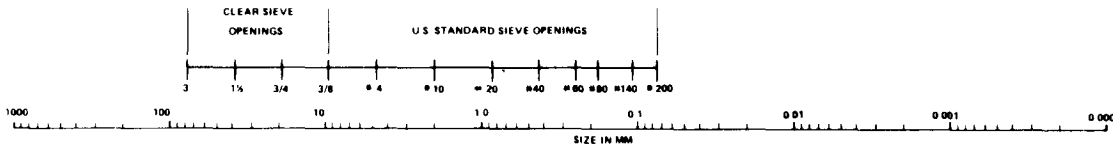
U S C S UNIFIED SOIL CLASSIFICATION SYSTEM (CAPITAL LETTERS INDICATE LAB TEST CLASSIFICATION, LOWER CASE LETTERS INDICATE VISUAL FIELD CLASSIFICATION)

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	[X-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	5.0	104								
94.25	5.0			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 10 30 50	REMARKS
	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
	2.0			CONCRETE SLAB	Concrete Slab		S-103 THRU S-105 SAMPLED WITH A SPLIT-SPOON SAMPLER
	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	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
93.47	5.0	S 105					HOLE BACK FILLED WITH CEMENT GROUT AFTER SAMPLING
				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-6

DATE BEGAN 10-17-84 BORING NO. C-6-B FIELD ENGINEER D.E.B.
 DATE FINISHED 10-17-84 GROUND SURFACE EL 98.77' N 138.9 E 293.3 CHECKED BY D.E.B.

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
				CONCRETE SLAB		Concrete Slab				CONCRETE CORED WITH AN 8' THIN WALLED BIT
	0.5'				0.5'					
	1.0	S-100	[Cross-hatched profile]	FILL: BROWN, SAND, SOME SILT, TRACE GRAVEL, MOIST		FILL: brown coarse to fine SAND, some (-) fine Silt, trace (+) medium to fine (+) Gravel				S-100 AND S-101 SAMPLED WITH A HAND TROWEL
	1.5	S-101		1.5'						S-102 DRILLED THRU 4" OF CONCRETE (1.5'-1.8')
	2.0	S-102		FILL: BLACK, SAND, SOME SILT AND GRAVEL, MOIST		FILL: black coarse to fine SAND, some (-) fine Gravel, some (-) fine Silt				S-102 SAMPLED WITH A POST HOLE DIGGER
	3.0	S-103		SAMPLE BECOMES WET AT 3.0'						S-103 SAMPLED WITH A 3" BUCKET AUGER
10-17-84	3.2									REFUSAL AT 3.2'
95.57				BOTTOM OF BORING AT 3.2'						
										HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING

NOTES
 9" PVC CASING SET FROM 0.0'-1.8' HOLE DRILLED BY HAND

Project No 846248

Boring No C-6-B
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' HOLE DRILLED BY HAND
 4" PVC CASING SET FROM 0.0'-2.5'
 CASINGS SET WITH CEMENT GROUT

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 U S C S	U S C S	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
	1.0			CONCRETE SLAB		Concrete Slab				CONCRETE DRILLED WITH 6-1/2" ID AUGERS
	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				S-100 SAMPLED WITH A HAND TROWEL
	2.5	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)				S-101 THRU S-105 SAMPLED WITH A SPLIT-SPOON SAMPLER
	3.0	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	4.0	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				
	5.0	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	6.0	105								
	6.5			BOTTOM OF BORING AT 6.5'						HOLE BACKFILLED WITH CEMENT GROUT AFTER SAMPLING
	7.0									

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	SSCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
	1.0	S-100 S-101	[Cross-hatched profile]	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		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		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		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		FILL: MEDIUM DENSE, DARK BROWN, MEDIUM TO FINE SAND, SOME SILT, TRACE GRAVEL, MOIST TO WET		FILL: dark brown medium to fine SAND, little (+) coarse to fine Silt, trace fine Gravel				
					BOTTOM OF BORING AT 5.0'					

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		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		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			CONCRETE SLAB	2.0'	Concrete Slab				HOLE LEFT AT 2.0' AND COVERED TO BE COMPLETED LATER
	3.0	S 103		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		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' COMPLETED WITH DRILL RIG USING A SPLIT-SPOON SAMPLER
95.0		S		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)				
94.54	5.0	105								
				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
		S-101								
	2.0	S-102								
	3.0	S-103								
10-18-84							3.2'	3.2'		
95.0	4.0	S-104		FILL: LOOSE, DARK GRAY TO BLACK, SAND, SOME GRAVEL, TRACE SILT AND ASH, SATURATED		FILL: dark gray to black coarse to fine SAND, some (-) medium to fine (+) Gravel, trace Silt, (Trace Ash)				
		S-105								
93.6	5.0									
				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	SOCS	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)		
				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-17

DATE BEGAN 10-10-84 BORING NO. H-5-F FIELD ENGINEER D.E.B.
 DATE FINISHED 10-19-84 CHECKED BY D.E.B.
 GROUND SURFACE EL 99.50' N 395 E 205

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 Slab				CONCRETE CORED WITH AN 8" THIN WALLED BIT
	2.0	S-100	[Cross-hatched profile]	FILL: brown medium to fine (+) GRAVEL, some (+) coarse to fine sand, (some (-) Ash)						S-100 AND S-101 SAMPLED WITH A HAND TROWEL
		S-101								S-102 BECOMES WET NEAR WATER TABLE. SAMPLE COLLECTED WITH POST HOLE DIGGER
	3.0	S-102								HOLE CASSED AT 3.0' AND COVERED TO BE COMPLETED LATER
	4.0	S-103								10-19-84
95.30	4.2	S-104								S-103 AND S-104 SAMPLED WITH A 3" BUCKET AUGER
				BOTTOM OF BORING AT 4.2'						HOLE BACKFILLED WITH CEMENT GROUT

NOTES
 8" PVC CASING SET FROM 0.0'-2.0' HOLE DRILLED BY HAND
 4" PVC CASING SET FROM 0.0'-3.0'
 CASINGS GROUTED WITH CEMENT GROUT

Project No 846248

Boring No H-5-F
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 S-100 AND S-101 SAMPLED WITH A POST HOLE DIGGER WATER TABLE AT 34" WATER HAD AN OIL SHEEN S-102 THRU S-105 TAKEN WITH A 3' BUCKET AUGER
	2.0			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)				
	3.0	S-100							
	3.0	S-101							
	4.0	S-103		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								
	5.0	S-104		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				
	6.0	S-105		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)				
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 <u>10-11-84</u>		BORING NO. <u>H-7-H</u>		FIELD ENGINEER <u>D.E.B.</u>			
DATE FINISHED <u>10-19-84</u>		N <u>357.5</u> E <u>343</u>		CHECKED BY <u>D.E.B.</u>			
GROUND SURFACE EL <u>98.93'</u>							
ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE 10 30 50	REMARKS
				CONCRETE SLAB 0.7'	Concrete Slab 0.7'		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 1.6'	FILL: brown coarse to fine SAND 1.6'		
	2.0	S-101		CONCRETE SLAB 2.5'	Concrete Slab 2.5'		
	3.0	S-102		FILL: BLACK, SAND AND GRAVEL, SOME ASH, MOIST 3.3'	FILL: black coarse to fine SAND, some (+) medium to fine (+) Gravel, (some (-) Ash) 3.3'		
95.63	3.3	S-103					RAILROAD TIE IN BOTTOM OF HOLE
				BOTTOM OF BORING AT 3.3'			

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
DATE FINISHED 10-22-84
GROUND SURFACE EL 102.27

BORING NO. J-6-K
N 394 E 260

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

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
	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	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	12 18	15	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
			16 21			
45	S	15 18	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
			7 6			
50	S	16 18	25	Becoming very dense, brown, poorly grained and fine grained	Brown fine SAND, little(-) Silt with light brown lenses	Wet
			30 25			
55	S	15 18	13	Becoming medium dense	Brown fine SAND, trace(-) Silt	Wet
			9 13			
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, 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	Dark gray SILT trace, coarse to fine Sand, trace medium to fine Gravel. Fill.	
	S	6/18	4 4 4	Becoming loose	Brown coarse to fine SAND, trace(+) Silt, some coarse to fine Gravel. Fill: brick fragments	
	S	7/18	7 14 19	Becoming dense	Dark gray coarse to fine SAND, trace(-) Silt, some Gravel. Fill: ballast	Augered through 6" wood at 10.5' Note: Sample 109 composited from 13.5' to 15.2'
10	S	7/18	23 50 25	Becoming very dense and gravelly	Dark gray coarse to fine SAND, and Silt. Fill: chunks of coal	
	S	4/18	12 17 27	Becoming dark gray and sandy		
	S	13/18	5 3 3	Becoming dense		
	S	9/18	4 3 2	Becoming loose		
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	Bottom of boring 17.0' Boring was grouted from bottom to surface following sampling.
					Gray soft SILT little(+), medium to fine Sand; decreasing Sand content with depth	
20						

BORING LOG

B-27

SHEET 1 OF 4

PROJECT NAME 80 LISTER AVENUE

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 EL. 93.1 ATD

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	S	6/18	38/16/15	Becoming dense, with gravel content increasing and sand/clay content decreasing	Gray organic SILT & CLAY trace, fine(+) to medium Sand	Wet
	S	12/18	3/4/4	Loose, brown to dark brown, Silty SAND with trace of clay	Brown fine GRAVEL and, fine Sand, and Silt.	Wet
	S	18/18	4/5/6	Becoming medium dense, with clay and sand content decreasing and grain size increasing	Brown to dark brown fine SAND, and Clayey Silt.	Moist Wet
20					Brown to dark brown fine SAND, and Clayey Silt, occasionally in gray seams.	Boring cont. with 3 3/4" tricone roller bit
					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

RIG CME-55

LOGGED BY Moore/Barton DRILLED BY Maleck

WATER ENTERS E1.93.1' ATD

SURFACE ELEVATION 97.3' ELEVATION DATUM Site Datum

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 brown to gray organic SILT. Decreasing in organic material with depth
	U	24/24	P	Becoming reddish-gray with intermittent lenses of sand	
	S	7/12	4/5	Loose, reddish-gray, poorly graded Silty SAND	Dark gray SILT trace(+), fine Sand.
	S	7/12	4/5		
20					*Sample disturbed
					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.	RESIST		
0	T	-	---	Dense, brown, poorly graded, Sand FILL with gravel	Boring advanced with trowel (T) and 12" OD HSA ← 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	3/6	34	U.S.C	
	S	11/12	40/41	Burmister	
	S	18/18	9/17	Becoming black and silty With glass, brick fragments, wood and roots	
	S	10/18	16/20	Black coarse to fine SAND, trace Silt, little coarse to fine Gravel. Fill: glass fragments, brick fragments, organic material, wood, roots, etc..	
5	S	6/18	10/6	Becoming loose, with trace of clay	
	S	16/18	3/3	Very loose, brown, low plastic, very organic SILT	
	S	6/12	2/1	Brown SILT and, Peat.	
10	U	24/24	P	Organic matter decreasing	
	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	
	S	6/18	2/4	Becoming sandy, with sand lenses	Boring grouted to surface following sampling operation. Bottom of boring 18.5'
			4	Loose, dark gray, fine grained SAND with silt	
20				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	3		
	S	12/24	1		
	S	24/24	<1		
10	U	6/24	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			
	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			
						Bottom of boring 18.0'
20						Boring was grouted from bottom to surface following sampling operation.

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.	RESID.	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	6			
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			
			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	
	U/S	5/24	P			
10	U	24/24	P	With trace shell fragments	Brown PEAT some, gray organic Silty Clay.	Lost sample from Shelby tube, re-covered with split spoon
	U	12/24	P			
	U	12/24	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.	Wet
	U	24/24	P			
	U	24/24	P			
20				Loose, dark gray, poorly graded, fine Silty SAND		

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

LOGGED BY T. Onyeagoro DRILLED BY Maleck

RIG CME-55

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
	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	Very loose, black, well graded, Silty Sand FILL with trace fine gravel and cinders	Black coarse to fine (+) SAND, and Silt, trace (-) fine Gravel, trace (-) Cinders. Fill	
	S	18/18	2	Becoming loose to medium dense	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				Soft, dark gray, PEAT with some silty clay, and trace wood fragments	Dark gray organic Silty Clayey PEAT, trace (+) wood	
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

SHEET 1 OF 2

PROJECT NAME 80 LISTER AVENUE

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	--	---	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	Boring advanced with trowel (T) and 12" OD HSA
	S	6/6	12			
	S	3/12	8	Becoming coarse grained with gravel	Coarse GRAVEL some(+), fine Sand, and Silt. Fill: misc. debris	Moist
	S	7/18	5			
			4	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	1			Water detected ATD
			4			
			7			
5			3	Becoming gray	Dark to gray brown coarse to fine(+) SAND, and Silt, trace(-) fine Gravel. Fill: roots, misc. debris	
	S	5/18	1			
			3			
	S	11/18	2	Becoming dark gray	Dark gray coarse(+) to fine SAND, and Silt. Fill: cinders, shells, misc. debris	
			3			
			5			
	S	10/18	1		Dark gray fine SAND, some (+) Silt, trace(-) fine Gravel. Fill.	
			3			
			9			With organic odor
10	S	10/18	7			
			2			
			4	Becoming fine grained	Dark gray fine SAND, some (-) Silt. Fill.	
	S	7/18	2			
			2			
			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			
	U	24/24	P	Becoming sandy	Dark gray SILT trace, medium to fine(+) Sand. Roots, grass.	
20						

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

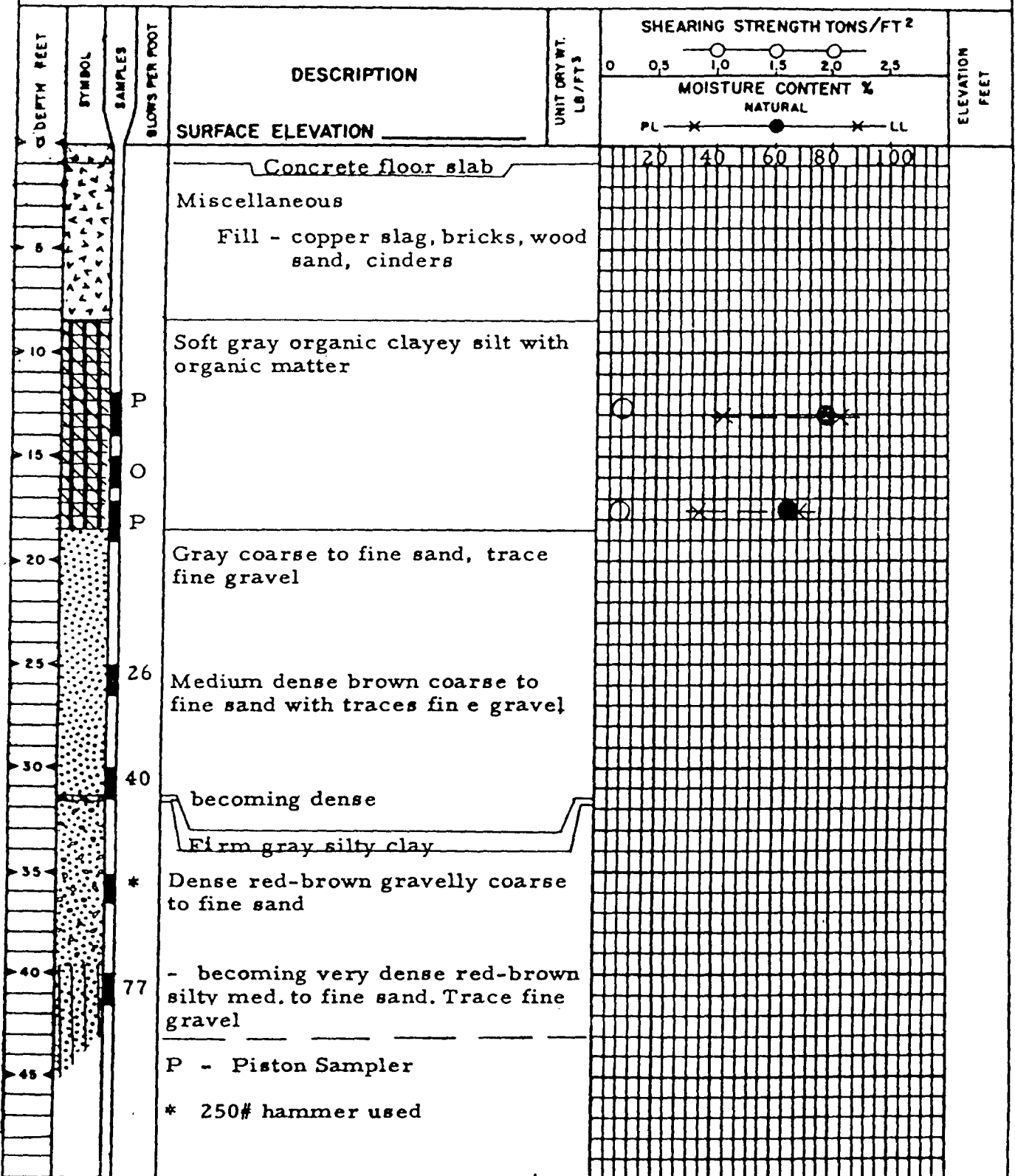
LOGGED BY Moore/Onyeagoro DRILLED BY Jaworski

SURFACE ELEVATION 99.7' ELEVATION DATUM Site Datum

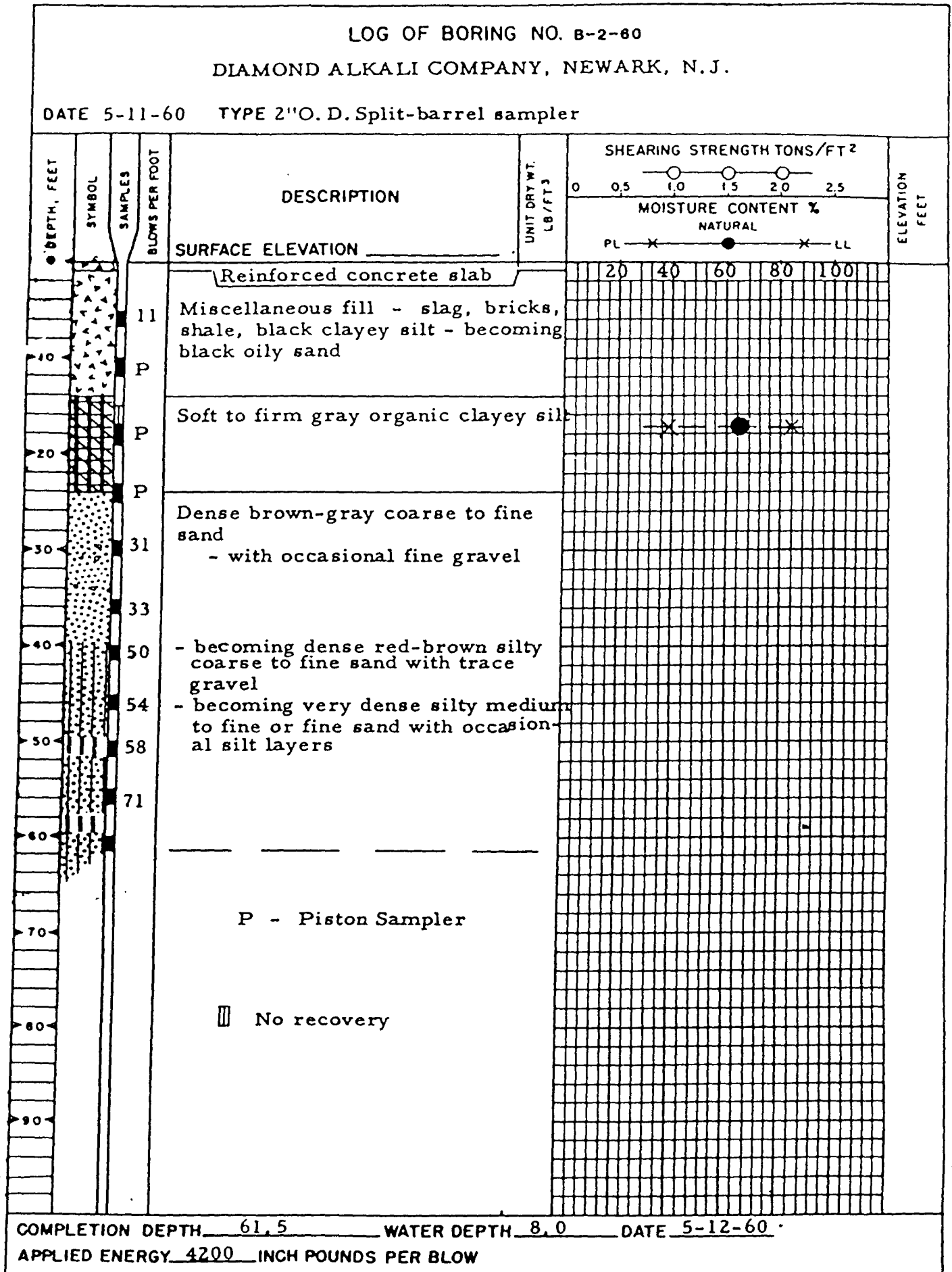
DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC.	RESIST	U.S.C.	BURMISTER	
20					Loose, dark gray, SILT with trace of sand	Dark gray SILT trace, coarse to fine Sand.
	U	$\frac{24}{24}$	P		Loose to medium dense, red-gray, SAND with silt	Red gray SAND, trace(-) Silt.
	S	$\frac{6}{18}$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

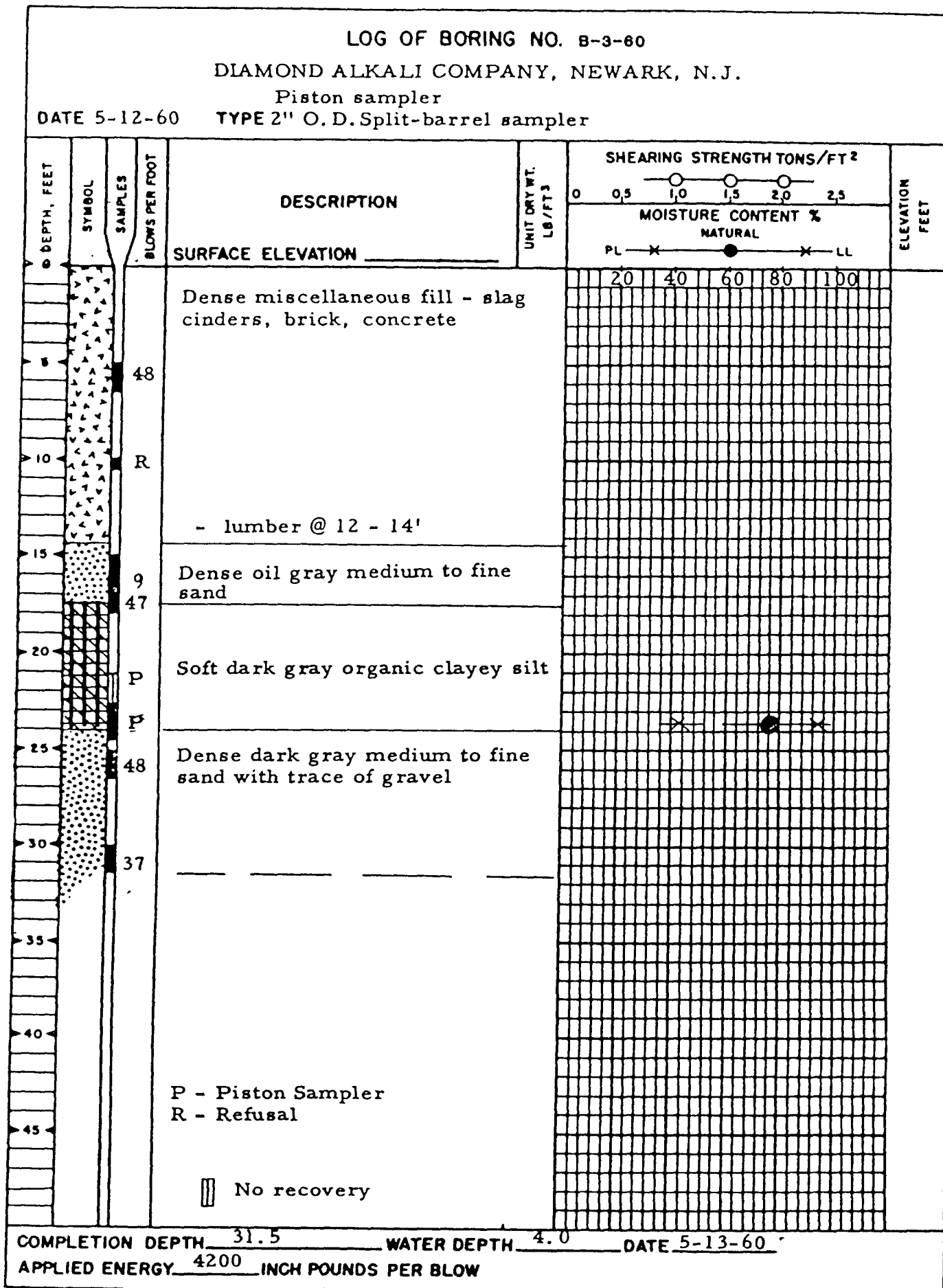
LOG OF BORING NO. B-1-60
DIAMOND ALKALI COMPANY, NEWARK, N.J.

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



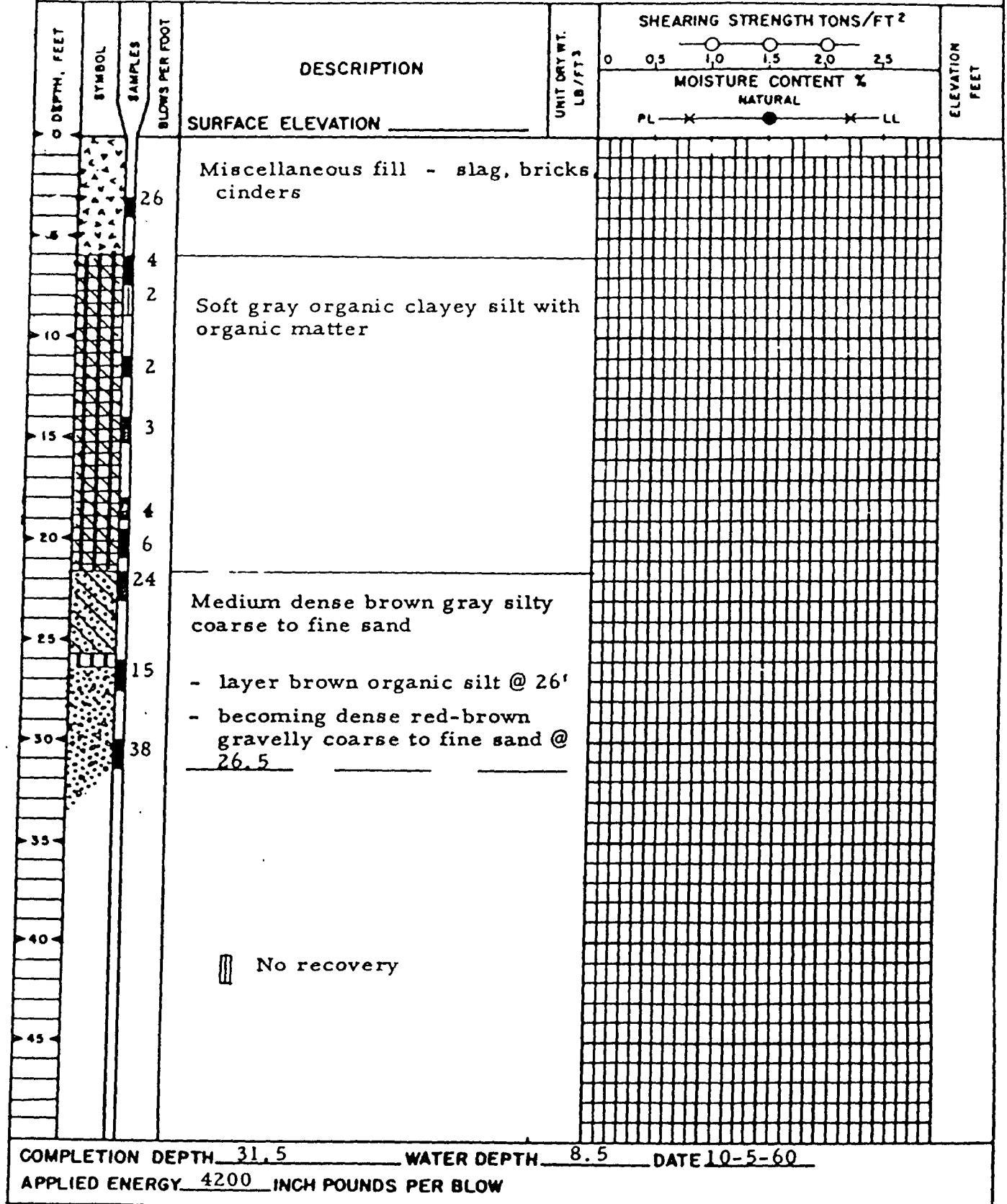
COMPLETION DEPTH 41.5' WATER DEPTH 10.0 DATE 5-13-60
APPLIED ENERGY 4200 INCH POUNDS PER BLOW





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

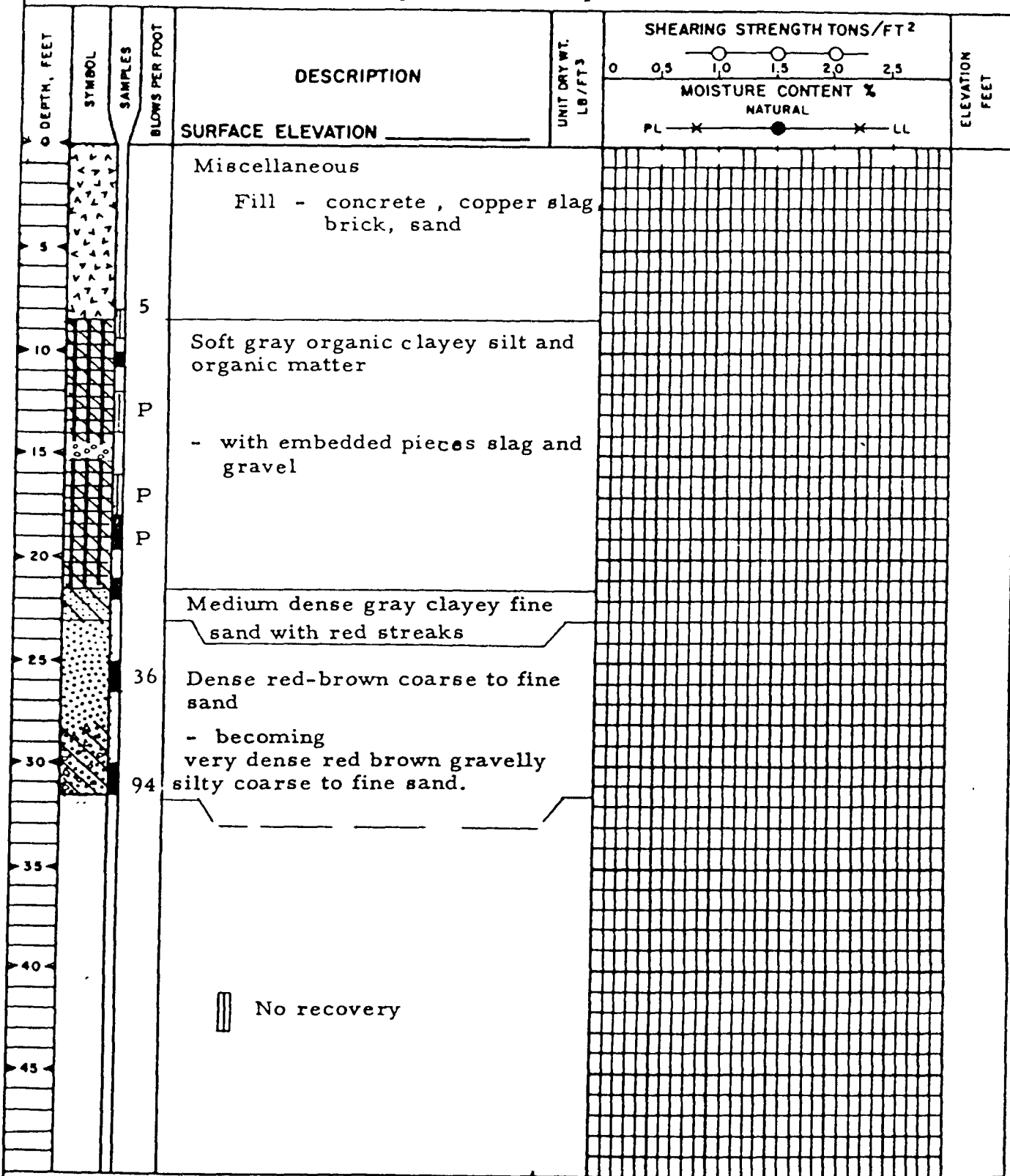
DATE 5-6-60 TYPE 2" O. D. Split-barrel sampler



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.

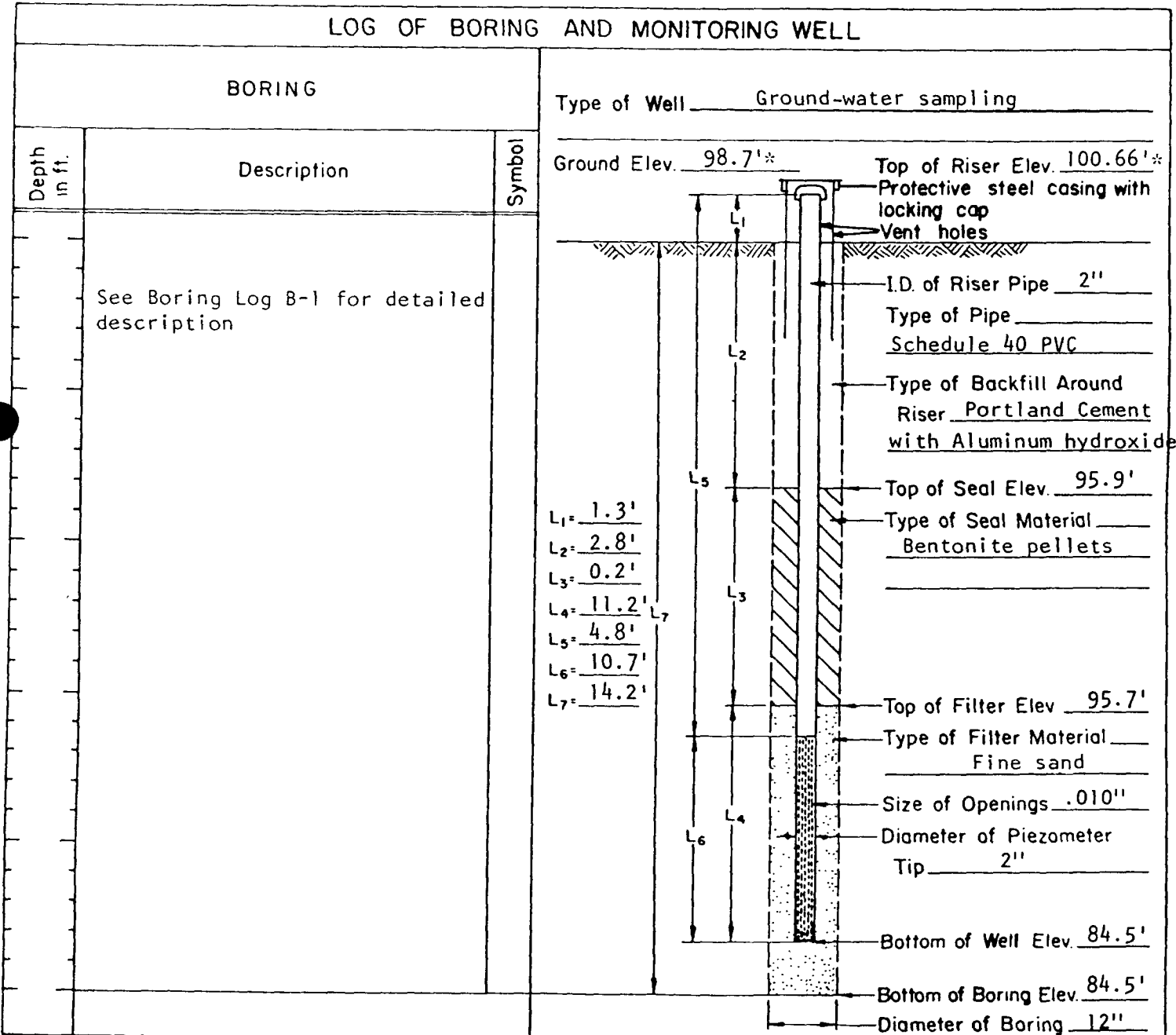
DATE 10-5-60 TYPE 2"O.D. Split-barrel sampler



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



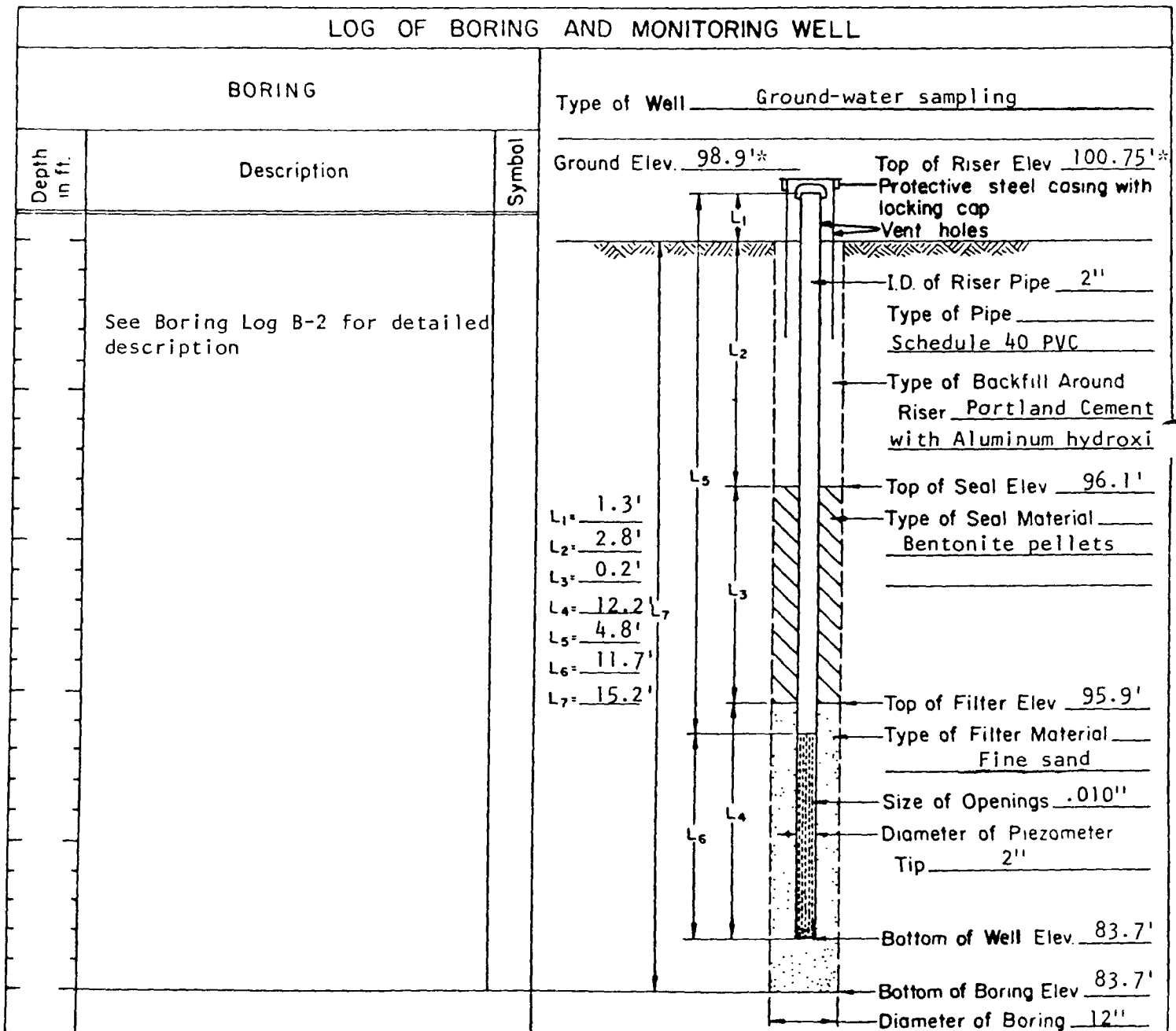
Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x 1.5'x.25' protective cement collar was poured around protective steel casing. Ground water elevation during high tide is approximately 94.5'. Material used: 3 bags cement and 3 bags sand.

*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



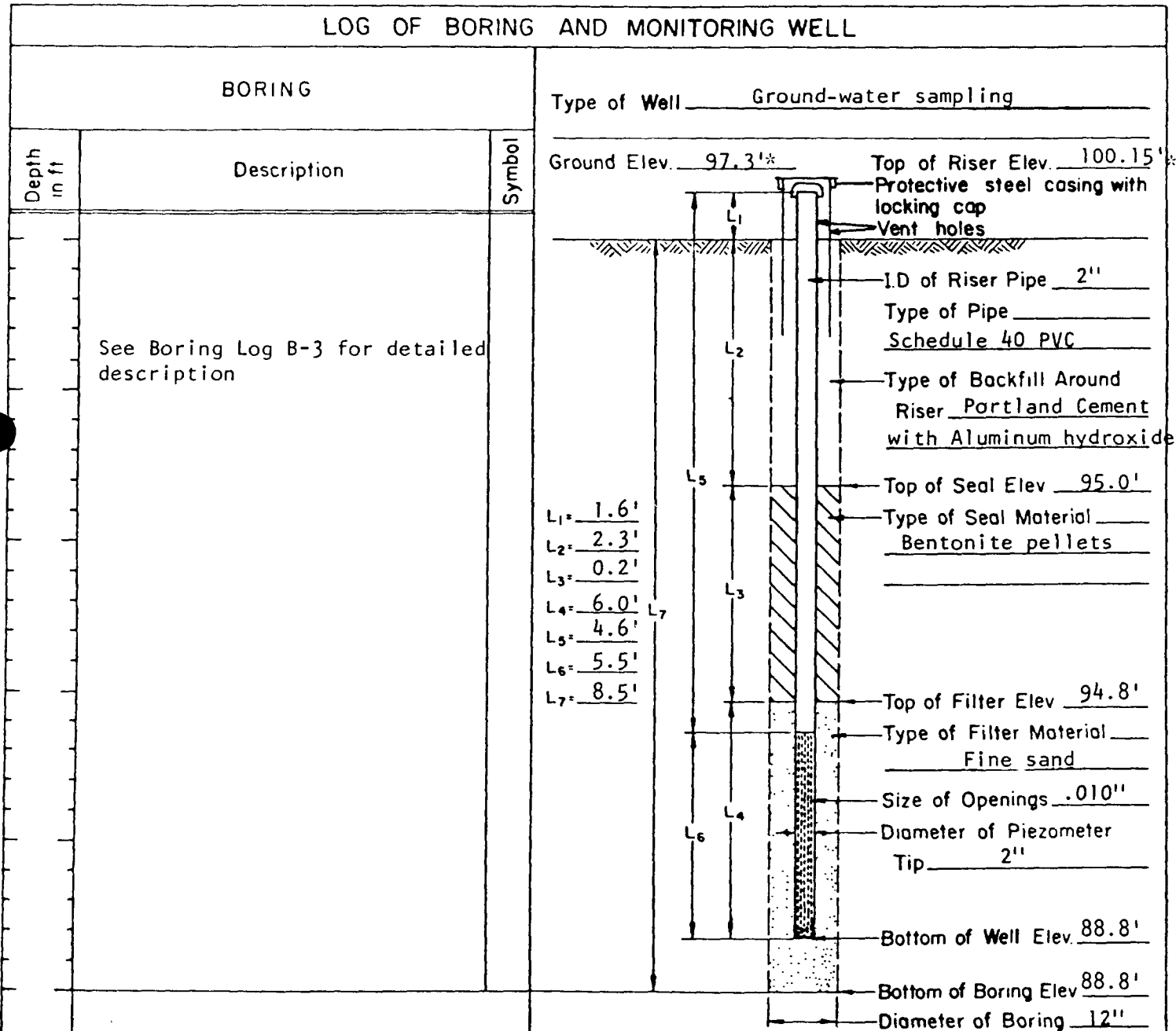
Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x1.1' protective cement collar was poured around protective steel casing. Ground water elevation at 94.9'.
Materials used: 5 bags cement, 4 bags sand.

*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



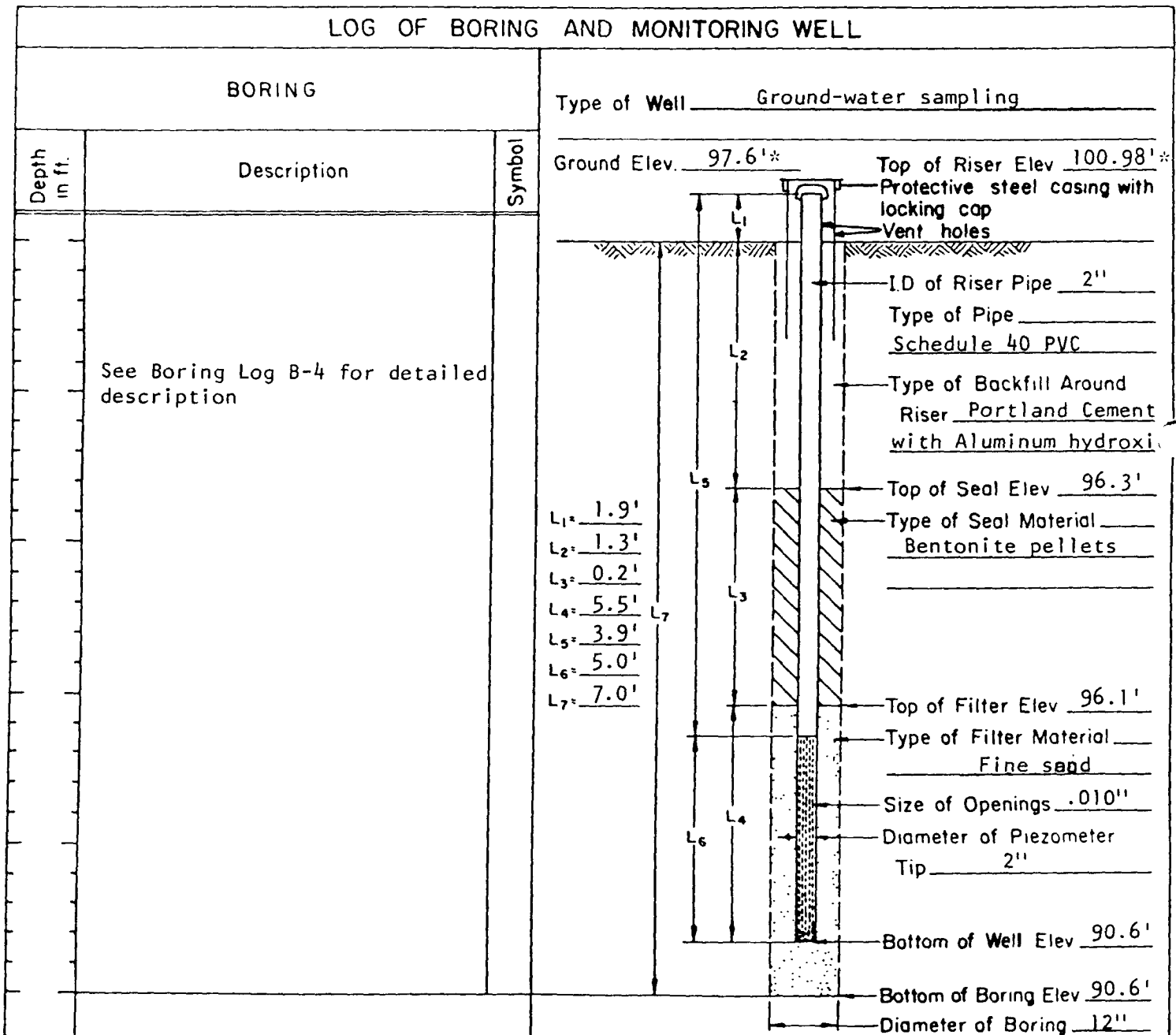
Remarks Bottom of well screen sealed with unglued slip cap. A 1.5'x1.5'x0.8' protective cement collar was poured around protective steel casing. Ground water elevation at 93.8'

*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 ₁ = <u>2.1'</u> L ₂ = <u>1.2'</u> L ₃ = <u>0.2'</u> L ₄ = <u>6.5'</u> L ₅ = <u>4.0'</u> L ₆ = <u>6.0'</u> L ₇ = <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.

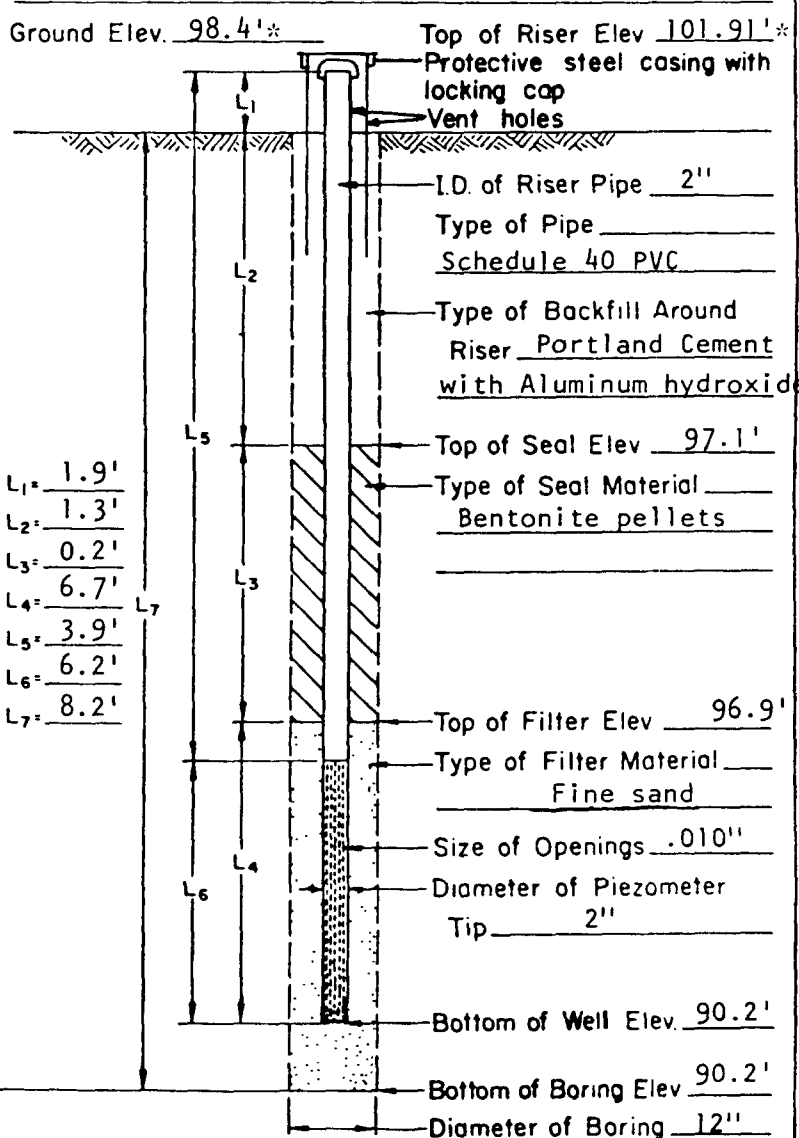
*Elevations from Site Datum

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	Ground Elev. <u>98.4'*</u> Top of Riser Elev <u>101.91'*</u> 	
	See Boring Log B-7 for detailed description		$L_1 = 1.9'$ $L_2 = 1.3'$ $L_3 = 0.2'$ $L_4 = 6.7'$ $L_5 = 3.9'$ $L_6 = 6.2'$ $L_7 = 8.2'$	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>97.1'</u> Type of Seal Material <u>Bentonite pellets</u> Top of Filter Elev <u>96.9'</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>90.2'</u> Bottom of Boring Elev <u>90.2'</u> Diameter of Boring <u>12"</u>

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	
	See Boring Log B-8 for detailed description		<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Ground Elev. <u>97.7'*</u></p> <p>$L_1 = 2.0'$</p> <p>$L_2 = 1.3'$</p> <p>$L_3 = 0.2'$</p> <p>$L_4 = 5.5'$</p> <p>$L_5 = 4.0'$</p> <p>$L_6 = 5.0'$</p> <p>$L_7 = 7.0'$</p> </div> <div style="width: 50%;"> <p>Top of Riser Elev <u>100.53'*</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 hydroxi</u></p> <p>Top of Seal Elev <u>96.4'</u></p> <p>Type of Seal Material <u>Bentonite pellets</u></p> <p>Top of Filter Elev <u>96.2'</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>90.7'</u></p> <p>Bottom of Boring Elev <u>90.7'</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 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

Piezometer No. MP-9A


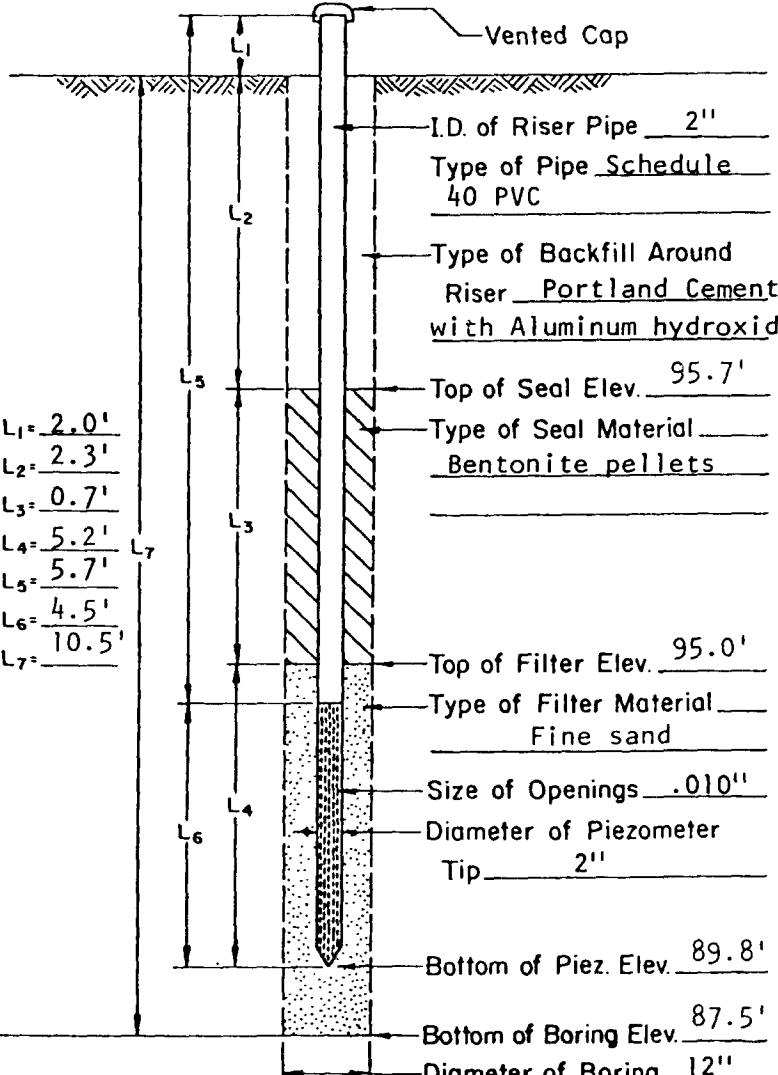
Location Newark, New Jersey

Date 10-17-84 Time _____

Project 80 LISTER AVENUE

Project No 13C121-39 Installed By Empire Soils Inv.

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'</u> Top of Riser Elev <u>100'</u>
<div style="display: flex; align-items: center;">  </div>	<p style="text-align: center;">See Boring Log B-12 for detailed description</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>$L_1 = 2.0'$</p> <p>$L_2 = 2.3'$</p> <p>$L_3 = 0.7'$</p> <p>$L_4 = 5.2'$</p> <p>$L_5 = 5.7'$</p> <p>$L_6 = 4.5'$</p> <p>$L_7 = 10.5'$</p> </div> <div style="width: 50%;">  </div> </div>

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

B-62

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; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">Ground Elev. <u>99.7'</u></div> <div style="margin-top: 10px;"> L₁ = <u>1.0'</u> L₂ = <u>4.8'</u> L₃ = <u>0.2'</u> L₄ = <u>7.0'</u> L₅ = <u>7.0'</u> L₆ = <u>6.0'</u> L₇ = <u>12.0'</u> </div> </div>	See Boring Log B-14 for detailed description	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>

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
<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%;"> </div> </div>	<p>Ground Elev <u>99.7'</u></p> <p>Top of Riser Elev. _____</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>76.2'</u></p> <p>Type of Seal Material <u>Bentonite pellets</u></p> <p>Top of Filter Elev <u>75.7'</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>65.7'</u></p> <p>Bottom of Boring Elev. <u>65.7'</u></p> <p>Diameter of Boring <u>4"</u></p>	
		<p>$L_1 = 1.0'$</p> <p>$L_2 = 23.5'$</p> <p>$L_3 = 0.5'$</p> <p>$L_4 = 10.0'$</p> <p>$L_5 = 24.5'$</p> <p>$L_6 = 9.5'$</p> <p>$L_7 = 34.0'$</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 ²	1100-0016-W-L	Wipe-Office/Lab-Room 1100, Main Entrance	840905
38. ng/meter ²	1102-0017-W-L	Wipe-Office/Lab-Rm. 1102, Accounting	840905
100. ng/meter ²	1105-0018-W-L	Wipe-Office/Lab, Rm. 1105, FLOOR, Plant Mgr.	840905
480. ng/meter ²	1108-0019-W-L	Wipe-Office/Lab-Rm 1108, Wall	840905
100. ng/meter ²	1107-0020-W-L	Wipe-Office/Lab-Rm 1107, Floor	840905
500. ng/meter ²	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 ²	1204-0023-W-L	Wipe-Office/Lab-Rm 1204, Floor by back door-Lab	840905
14,000. ng/meter ²	1204-0024-W-L	Wipe-Office/Lab-Rm 1204, Lab Hood, Lab	840905
10. ng/meter ²	1204-0025-W-L	Wipe-Office/Lab-Rm 1204, N side of entrance, lab side	840905
1000. ng/meter ²	1204-0026-W-L	Wipe-Office/Lab-Rm 1204, Lab bench near back door	840905
350. ng/meter ²	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 ²	1205-0030-W-L	Wipe-Off/Lab-Rm1205,A/C Intake Duct-Utility	840906
88. ng/meter ²	1205-0031-W-L	Wipe-Off/Lab-Rm1205,Furnace Intake-Utility Rm	840906
56. ng/meter ²	1201-0032-W-L	Wipe-Off/Lab-Rm1202,Floor-Lunchroom	840906
18. ng/meter ²	1202-0033-W-L	Wipe-Off/Lab, Rm1202, Radiator-Lunchroom	840906
500. ng/meter ²	1116-0034-W-L	Wipe-Off/Lab-Rm 1116, Locker Room	840906
120. ng/meter ²	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 ²	1122-0073-W-L	Wipe-Office/Lab-Rm 1122, windowsill, Basket Rm	840907
1100. ng/meter ²	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 ²	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 roofo sill	840907
ND (0.10 ppb)	1501-0098-C-L	Chip-Off/Lab Extr-1501-center, N wall at roofo sill	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 ²)	1506-0101-W-L	Wipe-Off/Lab Extr-1506-Center of W wall at roof	840907
ND (0.41 ng/meter ³)	H300-0103-T-L	IH-glass fiber filter: Personnel sample	840907
ND (0.20 ng/meter ³)	H300-0104-T-L	IH glass fiber filter: Hi vol, clean area sample	840907
ND (0.27 ng/meter ³)	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/meter3)	H300-0159-T-L	IH glass fiber filter-Personnel sample	840910
ND (1.2 ng/meter3)	H300-0160-T-L	IH-GFF/XAD: 37-CI SAMPLE SPIKE	840910
ND (1.0 ng/meter3)	H300-0161-T-L	IH glass fiber filter-Hi vol,btwn tanks,Process bldg	840910
ND (0.08 ng/meter3)	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-Warehouse-Rm 2100,center of traffic area, floor	840910
48.7 ppb	2109-0169-C-L	Chip-Warehouse-Rm 2109-Fir, tool crib cage area	840910
121. ppb	2109-0170-C-L	Chip-Warehouse-Rm 2109-Floor by traffic door	840910
192. ppb	2109-0171-C-L	Chip-Warehouse-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/meter2	2108-0176-W-L	Wipe-Warehouse-Rm 2108, Floor-Kitchen	840910
130. ng/meter2	2108-0177-W-L	Wipe-Warehouse-Rm 2108, Windowsill, Kitchen	840910
19,000. ng/meter2	2109-0178-W-L	Wipe-Warehouse-Rm 2109-Top of Light Work Area, Shop	840910
3500. ng/meter2	2109-0179-W-L	Wipe-Warehouse-Rm 2109-Top of bench in Shop	840910
8000. ng/meter2	2200-0180-W-L	Wipe-Warehouse-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/meter2	2103-0217-W-L	Wipe-Warehouse-Rm 2103-Floor, Foremans Office	840910
8120. ng/meter2	2100-0218-W-L	Wipe-Warehouse-Rm 2100-Top of Fluorescent	840910
ND (0.34 ng/meter3)	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/meter3)	H300-0273-T-L	IH glass fiber filter-Personnel sample	840912
ND (0.55 ng/meter3)	H300-0274-T-L	IH Personnel Sample: Drum Sampler Assistant	840912
ND (0.14 ng/meter3)	H300-0275-T-L	IH Personnel Sample: Driller (glass fiber filter)	840912
ND (0.16 ng/meter3)	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/meter3)	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 ³)	H300-1085-T-L	IH: Glass Fiber Filter, Personnel-Drum Crew	841001
ND (0.33 ng/meter ³)	H300-1086-T-L	IH: Glass Fiber Filter, Personnel-Tank Crew	841001
ND (2.9 ng/meter ³)	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 ³)	H300-1089-T-L	IH: Glass Fiber Filter Area	841003
ND (0.97 ng/meter ³)	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 ³)	H300-1209-T-L	IH: Glass Fiber Filter, Personnel-Drums	841003
ND (2.4 ng/meter ³)	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 bgng of decon were prsnl untape	841003
ND (16.4 ng/meter ²)	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 ²)	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 ³)	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 ²)	H600-1529-W-L	IH Wipe: Frm Smply Head of Instrmt #15084 Aftr Dcn	841011
ND (4.8 ng/meter ²)	H600-1530-W-L	IH Wipe: Frm Otsd Body o Decon Instrmt #15084	841011
ND (3.8 ng/wipe)	F086-1531-W-L	IH Wipe: Field Blank	841011
26.3 ng/meter ³	H300-1532-T-L	IH: Glass Fiber Filter, Personnel, Tank	841012
ND (4.5 ng/meter ³)	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 ²	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 ²)	H600-1713-W-L	IH Wipe: Wheel of Drill Rig after Decon	841019
84. ng/meter ²	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 ³	H300-1754-T-L	IH: Glass Fiber Filter-Frnt Personnel Drl Rig Dcn	841022
8.9 ng/meter ³	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 ³)	H300-1757-T-L	IH: Glass Fiber Filter-Area Otsd Dcn Tent-Drl Rig	841022
ND (9.6 ng/meter ³)	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 ³	H300-1760-T-L	IH: Glass Fiber Filter, Personnel-Soil Crew	841022
1.7 ng/meter ³	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 ²	H600-1796-W-L	IH Wipe: Bck of Drl Rig-Dck Stl Plt-Right Side	841025
18. ng/meter ²	H600-1797-W-L	IH Wipe: Steel High Pressure Air Bottle	841025
124. ng/meter ²	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 ²	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 O D E	S O R T
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 R T
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 ⁽¹⁾	Low ⁽²⁾
A-2-G	12-24	Low	Medium	Medium ⁽³⁾	Low ⁽²⁾
A-4-F	0-6	Low	Low	Low ⁽⁷⁾	Low
A-4-F	12-24	Low	Medium	Medium ⁽⁷⁾	Low
A-5G	0-6	Low	Low	Low ⁽⁶⁾	Low ⁽²⁾
A-5G	12-24	Low	Medium	Medium	Low
B-2-M	0-6	Low	Medium	Medium ⁽⁴⁾	Low ⁽²⁾
B-2-M	12-24	Low	Low	Low ⁽⁵⁾	Low ⁽²⁾
C-6-B	0-6	Low	Low	Low	Low
C-6-B	12-24	Medium ⁽⁴⁾	Medium	Medium	Low ⁽⁵⁾
D-4-N	0-6	Low	Low	Low ⁽⁷⁾	Low
D-4-N	12-24	Low	Low	Low ⁽⁷⁾	Low
E-1-G	0-6	Low	Low	Low ⁽⁵⁾	Low
E-1-G	12-24	Low	Medium	Medium ⁽⁴⁾	Low
E-5-D	0-6	Low	Medium	Medium ⁽⁷⁾	Low ⁽²⁾
E-5-D	12-24	Low	Low	Low ⁽⁸⁾	Low ⁽²⁾
F-5-E	0-6	Low	Low	Low ⁽⁶⁾	Low ⁽²⁾
F-5-E	12-24	Low	Medium	Medium ⁽⁶⁾	Low ⁽³⁾
G-3-I	0-6	Low	Low	Low ⁽⁶⁾	Low ⁽²⁾
G-3-I	12-24	Low	Low	Low ⁽⁷⁾	Low ⁽²⁾
G-3-L	0-6	Low	Low	Low ⁽¹²⁾	Low ⁽²⁾
G-3-L	12-24	Low	Low	Low ⁽⁹⁾	Low ⁽²⁾
G-4-A	0-6	Low	Low	Low ⁽⁹⁾	Low ⁽²⁾
G-4-A	12-24	Low	Medium	Medium ⁽⁶⁾	Low ⁽²⁾
G-5-E	0-6	Low	Low	Low ⁽⁶⁾	Low ⁽²⁾
G-5-E	12-24	Low	Low	Low ⁽⁶⁾	Low ⁽²⁾
G-5-F	0-6	Low	Low	Low ⁽⁶⁾	Low ⁽²⁾
G-5-F	12-24	Low	Medium	Medium ⁽⁶⁾	Low ⁽⁹⁾

NEAR-SURFACE SOILS
(Continued)

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

- (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 #: DIETETIC 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 DL

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: 1l → 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 K. R. Steger

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: Lincoln P. ...

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 Extracted: _____
 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 Extracted: _____
 Date Analyzed: _____
 Circle Units: ug/Kg ug/L

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

•• - 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. Kueber

Organics Analysis Data Sheet

Base/Neutral and Acid Compounds

Level/Matrix: LOW SOL

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	S, UCLL
3V	acrylonitrile	S, UCLL
4V	benzene	S, UCLL
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	S, UCLL
23V	chloroform	S, UCLL
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	S, UCLL
	2-butanone	S, UCLL
	carbon disulfide	S, UCLL
	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	S, UCLL
90P	dieldrin	↓
91P	chlordane	S, UCLL
92P	4,4'-DDT	S, UCLL
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	S, UCLL
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
------	--------------------------------------	-----

•• - 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	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	10,000 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(chloroethyl)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: 1.0g -> 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. 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 - 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 $\mu\text{g}/\text{kg}$)</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 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 $\mu\text{g}/\text{kg}$)</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

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

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	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>				
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 $\mu\text{g}/\text{kg}$)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION A-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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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)
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>				
71-43-2	Benzene	ND	-	ND
56-23-5	Carbon tetrachloride	ND	-	ND
108-90-7	Chlorobenzene	ND	-	ND
107-06-2	1,2-Dichloroethane	ND	-	ND
71-55-6	1,1,1-Trichloroethane	ND	-	ND
75-34-3	1,1-Dichloroethane	ND	-	ND
79-00-5	1,1,2-Trichloroethane	ND	-	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	-	ND
75-00-3	Chloroethane	ND	-	ND
542-88-1	Bis(chloromethyl) ether	ND	-	ND
110-75-8	2-Chloroethylvinyl ether	ND	-	ND
67-66-3	Chloroform	ND	-	ND
75-35-4	1,1-Dichloroethene	ND	-	ND
156-60-5	trans-1,2-Dichloroethene	ND	-	ND

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 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	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 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 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 $\mu\text{g}/\text{kg}$)</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-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	-	38000*
75-35-4	1,1-Dichloroethene	ND	-	ND
156-60-5	trans-1,2-Dichloro-ethene	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 $\mu\text{g}/\text{kg}$)</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	-	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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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 ^a	-	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

^aAn 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-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 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 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	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 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 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 μg/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-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-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 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	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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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	0.2	-	<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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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

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-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-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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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-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	-	13*
75-35-4	1,1-Dichloroethene	ND	-	ND
156-60-5	trans-1,2-Dichloro-ethene	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 µg/kg)</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 $\mu\text{g}/\text{kg}$)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION G-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 $\mu\text{g}/\text{kg}$)</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

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 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	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 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-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 $\mu\text{g}/\text{kg}$)</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
<u>D255C-PRS-19.1 to 19.9</u>				

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 µg/kg)</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 $\mu\text{g}/\text{kg}$)</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-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 $\mu\text{g}/\text{kg}$)</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

CAS Number	Compound Name	0-6"	6-12"	12-24"
<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 $\mu\text{g}/\text{kg}$)</u>				
71-43-2	Benzene	ND	-	ND
56-23-5	Carbon tetrachloride	ND	-	ND
108-90-7	Chlorobenzene	ND	-	ND
107-06-2	1,2-Dichloroethane	ND	-	ND
71-55-6	1,1,1-Trichloroethane	ND	-	ND
75-34-3	1,1-Dichloroethane	ND	-	ND
79-00-5	1,1,2-Trichloroethane	ND	-	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	-	ND
75-00-3	Chloroethane	ND	-	ND
542-88-1	Bis(chloromethyl) ether	ND	-	ND
110-75-8	2-Chloroethylvinyl ether	ND	-	ND
67-66-3	Chloroform	ND	-	ND
75-35-4	1,1-Dichloroethene	ND	-	ND
156-60-5	trans-1,2-Dichloroethene	ND	-	ND

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 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	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 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-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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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-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 $\mu\text{g}/\text{kg}$)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION H-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 $\mu\text{g}/\text{kg}$)</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-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-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 $\mu\text{g}/\text{kg}$)</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-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-nitrosodipropyl- amine	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 $\mu\text{g}/\text{kg}$)</u>				
309-00-2	Aldrin	ND	-	ND
60-57-1	Dieldrin	ND	-	ND
57-74-9	Chlordane	ND	-	ND

NEAR SURFACE SOILS: STATION H-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 $\mu\text{g}/\text{kg}$)</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

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

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 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	-	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 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-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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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

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

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-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-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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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-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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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	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	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	-	2200
205-99-2	Benzo(B)fluor- anthene	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 $\mu\text{g}/\text{kg}$)</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

PRODUCED ON 02/06/85 AT 11:29

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

PRODUCED ON 02/06/85 AT 11:29

PAGE 2

=====

=====

====

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 ⁽¹⁾	Low ⁽²⁾
I-2-L	1	12-24"	Low ⁽⁴⁾	Low ⁽⁵⁾	Low ⁽³⁾	Low ⁽²⁾
I-2-L	1	13.5-15.5'	Low ⁽⁴⁾	Low ⁽⁵⁾	Low ⁽³⁾	Low ⁽²⁾
I-5-A	2	0-6"	Low	Low ⁽⁵⁾	Low ⁽⁸⁾	Low ⁽²⁾
I-5-A	2	12-24"	Low	Low ⁽⁵⁾	Low ⁽¹¹⁾	Low ⁽²⁾
I-5-A	2	13.5-15.2'	Medium ⁽⁵⁾	Medium ⁽⁵⁾	Medium ⁽⁴⁾	Low ⁽³⁾
I-7-K	3	0-6"	Low	Low ⁽²⁾	Low ⁽¹⁰⁾	Low ⁽⁶⁾
I-7-K	3	12-24"	Low	Low	Low ⁽⁷⁾	Low ⁽⁶⁾
I-7-K	3	7-8.5'	Low	Low	Low ⁽⁵⁾	Low ⁽²⁾
C-7-C	4	0-6"	Low	Low ⁽⁵⁾	Medium ⁽⁶⁾	Low
C-7-C	4	12-24"	Low ⁽⁷⁾	Low ⁽⁶⁾	Medium ⁽⁶⁾	Low ⁽⁷⁾
C-7-C	4	6.5-8'	Low ⁽⁷⁾	Low ⁽⁶⁾	Medium ⁽⁶⁾	Low ⁽⁷⁾
A-2-K	5	0-6"	Low	Medium	Medium ⁽¹⁾	Low
A-2-K	5	12-24"	Low	Medium	Medium ⁽⁹⁾	Low
A-2-K	5	6.5-8.5'	Low	Medium	Low ⁽⁶⁾	Low
A-3-C	6	0-6"	Low	Medium	Medium ⁽⁶⁾	Low
A-3-C	6	12-24"	Low	Medium	Medium ⁽⁸⁾	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 ⁽⁹⁾	Low ⁽⁵⁾	Low ⁽¹⁰⁾	Low ⁽²⁾
F-7-B	8	12-24"	Low ⁽⁹⁾	Low ⁽⁵⁾	Low ⁽¹⁰⁾	Low ⁽²⁾
F-7-B	8	6.5-8'	Low	Low	Low ⁽⁵⁾	Low ⁽²⁾

- (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. Kuehner

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	↓

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	endosulfen 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

•• - 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
------	--------------------------------------	--------

•• - 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: DETECTION 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
------	--------------------------------------	----

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. Kuster-Benge

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 (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 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
------	--------------------------------------	-----

** - 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: MODIUM 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 #: _____
 Date Rec'd: _____
 Data Release Authorized by: _____

Laboratory: IT / WCTS
 Contract #: _____

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

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

THIS PAGE LEFT BLANK

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 $\mu\text{g}/\text{kg}$)</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

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 $\mu\text{g}/\text{kg}$)</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 1-5-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 $\mu\text{g}/\text{kg}$)</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 ^a	-	ND ^a	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

^aAn 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	0-6"	6-12"	12-24"	7-8.5'	(SILT)
						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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</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 $\mu\text{g}/\text{kg}$)</u>						
75-99-0	Dalapon (Dowpon)	500	-	ND	ND	-
1918-00-9	Dicamba	250	-	ND	ND	-
7085-19-0	MCPPP	ND ^a	-	ND ^a	ND	-
94-74-6	MCPA	ND ^a	-	ND ^a	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	-

^aAn 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	(Silt)				
		0-6"	6-12"	12-24"	6.5-8.5'	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 $\mu\text{g}/\text{kg}$)</u>						
75-99-0	Dalapon (Dowpon)	290	-	300	ND	-
1918-00-9	Dicamba	ND	-	100	ND	-
7085-19-0	MCPP	ND ^a	-	ND ^a	ND ^a	-
94-74-6	MCPA	ND ^a	-	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	-

^aAn 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	MCPP	ND ^a	-	ND ^a	ND ^a	-
94-74-6	MCPA	ND	-	ND	ND ^a	-
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	-

^aAn 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 $\mu\text{g}/\text{kg}$)</u>						
75-99-0	Dalapon (Dowpon)	160	-	470	ND	-
1918-00-9	Dicamba	230	-	160	ND	-
7085-19-0	MCPP	ND	-	ND ^a	ND	-
94-74-6	MCPA	ND	-	ND ^a	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	-

^aAn 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 $\mu\text{g}/\text{kg}$)</u>						
75-99-0	Dalapon (Dowpon)	ND	-	ND	ND	-
1918-00-9	Dicamba	ND	-	ND	ND	-
7085-19-0	MCPP	ND ^a	-	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	-

^aAn 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

PRODUCED ON 02/09/95 AT 11:35

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'

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

SITE EVALUATION

120 LISTER AVENUE

SUBMITTED TO

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

PREPARED BY

DIAMOND SHAMROCK CHEMICALS COMPANY

IT CORPORATION

WOODWARD-CLYDE CONSULTANTS

ENVIRO-MEASURE, INC.

MAY 1985

VOLUME II

TABLE OF CONTENTS

	<u>PAGE</u>
LIST OF TABLES	v
LIST OF FIGURES	viii
EXECUTIVE SUMMARY	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
2.3 SITE PROTECTION	2-2
2.4 SITE INVESTIGATION	2-3
3.0 REGIONAL SETTING	3-1
3.1 INTRODUCTION	3-1
3.2 CLIMATE AND METEOROLOGY	3-1
3.3 GEOLOGY AND LANDFORMS	3-1
3.4 HYDROLOGY	3-2
3.5 FLORA AND FAUNA	3-3
3.6 LAND USAGES	3-3
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	4-4
4.1.3 Analytical Quality Assurance/Quality Control	4-6
4.1.3.1 Field and Trip Blank Requirements	4-6
4.1.3.2 Sample Preservation and Shipment	4-7
4.1.3.3 Sample Container Preparation	4-7
4.1.3.4 Laboratory Quality Control Checks	4-7
4.1.3.5 NJDEP-Designated Quality Control Checks	4-8
4.1.3.6 Corrective Action	4-8
4.1.4 Analytical Methods	4-8
4.2 SAMPLING, MONITORING, AND PHYSICAL TESTING	4-10

TABLE OF CONTENTS
(Continued)

	<u>PAGE</u>
4.2.1 Ambient Air	4-10
4.2.2 Industrial Hygiene	4-11
4.2.3 Buildings, Tanks, Trailers, and Equipment	4-12
4.2.4 Soils	4-13
4.2.4.1 Drilled Borings	4-13
4.2.4.1.1 Drilling Procedures	4-13
4.2.4.1.2 Sample Collection Procedures	4-15
4.2.4.2 Near-Surface Soil Sampling	4-16
4.2.4.3 Excavated and Backfill Areas	4-18
4.2.5 Ground Water	4-18
4.2.5.1 Shallow Monitoring Well Installation	4-18
4.2.5.2 Well Development	4-19
4.2.5.3 Water Level Monitoring	4-19
4.2.5.4 Ground Water Sampling	4-20
4.2.5.5 Aquifer Evaluation	4-21
4.2.6 Drums	4-21
5.0 DATA PRESENTATION	5-1
5.1 AMBIENT AIR	5-1
5.2 INDUSTRIAL HYGIENE	5-2
5.2.1 Atmospheric Samples for Dioxin	5-2
5.2.2 Wipe Samples for Dioxin	5-2
5.2.3 Heat Stress	5-3
5.2.4 Noise Monitoring	5-3
5.2.5 General Health and Safety	5-3
5.3 BUILDINGS AND STRUCTURES	5-3
5.3.1 Chip Sample Results	5-3
5.3.2 Wipe Sample Results	5-4
5.4 SOILS	5-4
5.4.1 Subsurface Lithology	5-4
5.4.2 Analytical Laboratory Testing	5-5
5.4.2.1 Summary Dioxin Results	5-5
5.4.2.2 Summary Priority Pollutant Results	5-6

TABLE OF CONTENTS
(Continued)

	<u>PAGE</u>
5.4.2.3 Dioxin Results - Post-Remedial Soil Samples	5-7
5.5 GROUND WATER	5-7
5.5.1 Ground Water Levels	5-7
5.5.2 Hydraulic Conductivities	5-7
5.5.3 Analytical Laboratory Testing	5-8
5.6 DRUM SAMPLES	5-9
5.7 ADDITIONAL SAMPLES	5-9
5.7.1 Surface Water	5-9
5.7.2 Samples Collected Concurrent with Phase I	5-9
5.7.3 Decon Water	5-9
5.8 ANALYTICAL RESULTS FOR QUALITY ASSURANCE/QUALITY CONTROL CHECKS	5-10
5.8.1 Sampling Quality Control Checks: Field and Trip Blanks	5-10
5.8.2 Individual Laboratory Quality Control Checks	5-11
5.8.2.1 Method Blanks - Dioxin	5-11
5.8.2.2 Spike/Duplicate Pairs	5-11
5.8.3 NJDEP-Designated Quality Control Checks	5-12
6.0 SITE PREPARATION ACTIVITIES FOR CONTAINER STORAGE	6-1
6.1 EQUIPMENT DECON AND REMOVAL	6-1
6.2 BUILDING DEMOLITION	6-2
6.3 EXCAVATIONS	6-2
6.4 CONTAINER PAD PREPARATION	6-3
6.5 UNDERGROUND PIPING	6-4
6.6 UTILITIES	6-4
6.7 FENCE	6-5
6.8 CONTAINER STORAGE	6-5
APPENDIX A - BORING LOGS AND MONITORING WELL INSTALLATION LOGS	
APPENDIX B - FINAL DIOXIN RESULTS	
APPENDIX C - FEBRUARY 11, 1985 DIOXIN RESULTS ISSUE SAMPLE ARCHIVES: WINTER/SPRING 1985 DIOXIN RESULTS: 120 LISTER AVENUE SOILS	
APPENDIX D - PRIORITY POLLUTANT RESULTS: SOILS	

TABLE OF CONTENTS
(Continued)

	<u>PAGE</u>
APPENDIX E - PRIORITY POLLUTANT RESULTS: GROUND WATER	
APPENDIX F - 120 LISTER AVENUE ARCHIVES: FALL, 1984	
APPENDIX G - QUALITY ASSURANCE/QUALITY CONTROL RESULTS	
APPENDIX H - WORK PLAN FOR NEWARK, NEW JERSEY OFF SITES AND 120 LISTER AVENUE	

LIST OF TABLES

<u>TABLE NUMBER</u>	<u>TITLE</u>
2.2-1	Sergeant Property 2,3,7,8-TCDD Results
4.1.2-1	Analyses Required and Laboratory Destinations for 120 Lister Avenue
4.1.3.2-1	Sample Packaging Requirements
4.1.3.2-2	Sample Preservation Requirements
4.1.3.4-1	Routine Quality Control Samples and Laboratory Check Frequencies
4.1.4-1	Analysis Parameters Versus Sample Matrices
4.1.4-2	Listing of Analytes
4.1.4-3	Appendix B Compounds Analyzed as part of the Priority Pollutant Analysis
4.2.4-1	Coordinates and Elevations of Near Surface Soil Samples, Borings, and Monitoring Wells
4.2.5.4-1	Field Water Quality Data
5.1-1	Ambient Air Results from 120 Lister Avenue for 2,3,7,8-TCDD
5.2.1-1	Industrial Hygiene Monitoring Results
5.3.1-1	Summary of 2,3,7,8-TCDD Results 120 Lister Avenue Chip Samples
5.3.1-2	2,3,7,8-TCDD Results: 120 Lister Chip Samples
5.3.2-1	2,3,7,8-TCDD Results: 120 Lister Wipe Samples
5.4.2-1	Analyses Requested for 120 Lister Avenue Soil Samples
5.4.2.1-1	Summary of 2,3,7,8-TCDD Results with Depth 120 Lister Avenue Soils

LIST OF TABLES
(Continued)

<u>TABLE NUMBER</u>	<u>TITLE</u>
5.4.2.2-1	Summary of Detected Organic Compounds (0-2.0 feet) 120 Lister Avenue Soils
5.4.2.2-2	Summary of Detected Organic Compounds (2.0-6.5 ft) 120 Lister Avenue Soils
5.4.2.2-3	Summary of Detected Organic Compounds (6.5-11.0 ft) 120 Lister Avenue Soils
5.4.2.2-4	Summary of Detected Inorganic Compounds (0-2.0 ft) (120 Lister Avenue Soils)
5.4.2.2-5	Summary of Detected Inorganic Compounds (2.0-6.5 ft) 120 Lister Avenue Soils
5.4.2.2-6	Summary of Detected Inorganic Compounds (6.5-11.0 ft) 120 Lister Avenue Soils
5.4.2.3-1	2,3,7,8-TCDD Results: 120 Lister Remedial Soils
5.5.1-1	Summary of Monitoring Well Data
5.5.3-1	Summary of Detected Organic Compounds 120 Lister Avenue Ground Water
5.5.3.-2	Summary of Detected Inorganic Compounds 120 Lister Avenue Ground Water
5.6-1	Drum Samples Collected from 120 Lister Avenue
5.6-2	Hazardous Characterization/Compatibility Analysis Summary Drum Samples from 120 Lister Avenue
5.6-3	EP Toxicity Leachate Analysis Summary of Metals 120 Lister Avenue Drum Samples
5.6-4	EP Toxicity Leachate Analysis Summary of Pesticides/Herbicides 120 Lister Avenue Drum Samples
5.6-5	Summary of Polychlorinated Biphenyl Analysis Results 120 Lister Avenue Drum Samples
5.7.1-1	Analytical Results: 120 Lister Avenue Surface Water

LIST OF TABLES
(Continued)

<u>TABLE NUMBER</u>	<u>TITLE</u>
5.7.2-1	2,3,7,8-TCDD Results: 120 Lister Avenue Samples Collected in Fall 1984
5.7.3-1	Analytical Results: Decon Water
5.8-1	Quality Assurance Objectives
5.8.1-1	Field Blank Collection Summary
5.8.2.2-1	2,3,7,8-TCDD Laboratory Duplicate Results Summary
5.8.2.2-2	2,3,7,8-TCDD Laboratory Matrix Spike Recovery Results
5.8.3-1	NJDEP - Designated Split Samples 120 Lister Avenue
5.8.3-2	NJDEP Proficiency Sample Results 2,3,7,8-TCDD

LIST OF FIGURES

<u>FIGURE NUMBER</u>	<u>TITLE</u>
2.1-1	120 Lister Avenue Site Location
2.1-2	Plot Plan for 120 Lister Avenue and Adjacent Properties
2.2-1	Property Location Map
2.2-2	Surface Soil Samples Taken in June 1983
4.0-1	Plan Location of Building and Structures
4.0-2	Grid Subdivision Identification
4.2.1-1	Schematic Diagram of the PUF Sampler
4.2.4-1	Near Surface Soil Sample and Boring Location Plan
4.2.4.3-1	"Hot Spot" Site Excavation and Backfill Areas
4.2.5-1	Monitoring Well Location Plan
4.2.5.1-1	Typical Shallow Monitoring Well in Fill
5.4.1-1	Subsurface Section A-A'
5.4.1-2	Subsurface Section B-B'
5.4.1-3	Subsurface Section C-C'
5.4.1-4	Subsurface Section D-D'
5.4.2.1-1	Relative 2,3,7,8-TCDD Concentration in Soils 0-6 Inch Depth Interval
5.4.2.1-2	Relative 2,3,7,8-TCDD Concentration in Soils 6-12 Inch Depth Interval
5.4.2.1-3	Relative 2,3,7,8-TCDD Concentration in Soils 12-24 Inch Depth Interval
6.4-1	Plan Sections and Details Temporary Waste Container Storage
6.5-1	Location of Abandoned Sewer Lines

**APPENDIX
A**

APPENDIX A

APPENDIX A
TABLE OF CONTENTS

DESCRIPTION	PAGE
BORING LOG - (SHALLOW BORINGS), GENERAL NOTES AND LEGENDS	A-1
SHALLOW BORINGS SOIL SAMPLE LOGS	A-2
BORING LOG, (DEEP BORINGS) LEGEND AND NOMENCLATURE	A-20
BORING LOGS - DEEP BORINGS (FALL 1984)	A-21
MONITORING WELL INSTALLATION LOGS	A-34

LEGEND AND NOMENCLATURE

Items shown on boring logs refer to the following:

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

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

Resist - Resistance is designated as follows:

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

CFA - Continuous flight auger	▼	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

A-2

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

PROJECT NAME 120 LISTER AVENUE

B-101

PROJECT LOCATION Newark, New Jersey

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

SURFACE ELEVATION 97.1* ELEVATION DATUM Assumed

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

BORING LOG

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

PROJECT NAME 120 LISTER AVENUE
B-101A PROJECT LOCATION Newark, New Jersey
 LOGGED BY Moore/Fessler DRILLED BY Empire Soils
 SURFACE ELEVATION 97.1* ELEVATION DATUM Assumed

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

BORING LOG

A-4

SHEET 1 OF 1

PROJECT NAME 120 LISTER AVENUE

PROJECT NO. 85C7752-20

B-101B

PROJECT LOCATION Newark, New Jersey

DATE 1-23-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.1* ELEVATION DATUM Assumed

WATER ENTERS None
detected ATD

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

BORING LOG

A-5

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-20

B-101C

PROJECT LOCATION Newark, New Jersey

DATE 1-23-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.1* ELEVATION DATUM Assumed

WATER ENTERS El. 94.7 ATD

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

BORING LOG

A-6

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-28

B-102

PROJECT LOCATION Newark, New Jersey

DATE 1-18-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.6* ELEVATION DATUM Assumed

WATER ENTERS E1.95.9 ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C	BURMISTER	
0	T	-	-	Loose, brown, coarse to fine grained, silty Sand	Brown coarse to fine SAND, some (-) Silt, trace fine Gravel. Fill: iron, glass, brick fragments	Boring advanced with trowel (T) and 12" O.D. HSA. Drilled through 2" of asphalt prior to sampling Water detected ATD No recovery: Two attempts were made, sample was very fluid, possibly fine grained sand and silt Note: Sample 109 was composited from 5.5' to 7.0' Bottom of boring 8.0' Boring grouted from ground to surface following sampling operation. *Elev.=6.7 (NJGVC)
	T	-	-	FILL with trace of fine gravel, iron, glass, brick fragments		
	S	$\frac{11}{12}$	1	Loose, brown to gray, coarse to fine grained Sand and Silt FILL with wood fragments	Brown coarse to fine SAND, and Silt. Fill: wood fragments	
	S	$\frac{6}{18}$	2			
	S	$\frac{11}{18}$	2			
	S	$\frac{6}{18}$	2			
	S	$\frac{8}{18}$	2	Becoming reddish brown		
	S	$\frac{8}{18}$	3			
	S	$\frac{9}{18}$	0	With cinders		
	S	$\frac{9}{18}$	0	Loose, brown PEAT and SILT (meadow mat)	Brown organic SILT with roots and stems	
5						
10						
15						
20						

BORING LOG

A-7

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-20

B-102A

PROJECT LOCATION Newark, New Jersey

DATE 1-18-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

WATER ENTERS E1.96.0 ATD

SURFACE ELEVATION 97.6* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESST	U.S.C.	BURMISTER	
0	T	-	-	Loose, brown, coarse to fine grained, silty Sand FILL with trace of fine gravel	Brown coarse to fine SAND, some Silt, trace Gravel. FILL.	Boring advanced with trowel (T) and 12" O.D. HSA. Drilled through 2" of aspha prior to sampling Water detected ATD No recovery-moved boring Bottom of boring 6.5' Boring grouted from bottom to surface following sampling operation. *Elev.=6.7 (NJGVC)
	S	-	-			
	S	-	-	Loose, dark brown, coarse to fine grained Sand and Silt FILL with wood fragments	Dark brown coarse medium(+) fine SAND, little Silt, trace medium to fine Gravel FILL.	
	S	-	-	Loose, gray, medium to fine grained Sand FILL with trace silt	Gray medium to fine SAND, trace(-) Silt. FILL.	
	S	-	-			
5	S	-	-			
	S	-	-			
10						
15						
20						

BORING LOG

A-8

SHEET 1 OF 1

PROJECT NAME 120 LISTER AVENUE

PROJECT NO. 85C7752-20

B-102B

PROJECT LOCATION Newark, New Jersey

DATE 1-18-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

WATER ENTERS E1.96.0 ATD

SURFACE ELEVATION 97.6* ELEVATION DATUM Assumed

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

BORING LOG

A-9

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-28

B-103

PROJECT LOCATION Newark, New Jersey

DATE 1-17-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.4* ELEVATION DATUM Assumed

WATER ENTERS E1.91.4 ATD

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

BORING LOG

A-10

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-20

B-103A

PROJECT LOCATION Newark, New Jersey

DATE 1-24-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

WATER ENTERS E1.91.4 ATD

SURFACE ELEVATION 97.4* ELEVATION DATUM Assumed

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

BORING LOG

A-11

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-28

B-104

PROJECT LOCATION Newark, New Jersey

DATE 1-15-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.5* ELEVATION DATUM Assumed

WATER ENTERS E1.91.8 ATD

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

BORING LOG

A-12

SHEET 1 OF 1

PROJECT NAME 120 LISTER AVENUE

PROJECT NO. 85C7752-20

B-104A

PROJECT LOCATION Newark, New Jersey

DATE 1-19-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 97.5* ELEVATION DATUM Assumed

WATER ENTERS E1.92.0 ATD

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

BORING LOG

A-13

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

PROJECT NAME 120 LISTER AVENUE

B-104B

PROJECT LOCATION Newark, New Jersey

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

SURFACE ELEVATION 97.5* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C.	BURMISTER	
0	T	-	---			Boring advanced with trowel (T) and 12" O.D. HSA *Elev.=6.6 (NJGVC) ← Water detected ATD Note: Sample 109 was composited from 9.5' to 11.0' Bottom of boring 11.0' Boring grouted from bottom to surface following sampling operation.
	S	6/6	21	Loose, brown gray, coarse Gravel FILL with rock fragments, roots, wood.	Brown gray coarse to fine GRAVEL trace, fine Sand, Silt. Fill: debris, wood, roots	
	S	9/12	23 22	Loose, brown to gray, coarse to fine grained Sand FILL with debris, rock fragments	Brownish black medium to fine SAND, some Silt, trace coarse Sand, fine Gravel. Fill: debris, cinders	
	S	12/18	17 18 17	Dense, brownish black, medium to fine grained Sand FILL with some Silt, trace coarse grained Sand, fine gravel, cinders, debris		
	S	11/18	16 16 15			
5	S	7/18	11 10 8	Medium dense, brown, fine grained Sand and Silt FILL with trace coarse to medium gravel, wood fibers	Brown fine SAND, and Silt, trace coarse to medium Gravel. Fill: wood fibers	
	S	13/18	7 6 8	Medium dense, black, fine grained Sand FILL with some silt, trace medium to fine gravel, wood fragments, cinders	Black fine SAND, some Silt, trace medium to fine Gravel. Fill: cinders, wood fragments	
	S	15/18	8 7 7			
0	S	13/18	7 3 4			

BORING LOG

A-14

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752-20

B-105
E-11-F

PROJECT LOCATION Newark, New Jersey

DATE 2-4-85

RIG CME-55

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

WATER ENTERS E1.93.0 ATD

SURFACE ELEVATION 97.0* ELEVATION DATUM Assumed

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C.	BURMISTER	
0						Boring advanced with 5" diameter O. D. HSA. Sampling began at 2.0'
	S	9 12	9 31	Medium dense, brown, coarse to fine grained Sand FILL with some silt, trace of fine gravel and organics	Brown coarse to fine SAND, little (+) Silt, trace fine Gravel. Fill.	Moist
	S	6 12	8 33	Becoming medium to fine gravel and coarse to fine grained Sand FILL with a trace of silt	Brown coarse(+) to fine SAND, and medium to fine(+) Gravel, trace Silt. Fill: organic material.	*Elev.=6.1 (NJGVC)
	S	7 12	28 32			← Water detected ATD
5	S	5 12	12 5	Medium dense, black, coarse to fine grained, Sand FILL with some fine gravel and cinders	Black coarse to medium(+) to fine SAND, trace(+) fine Gravel. Fill: cinders	Note: Sample 109 was composited from 7.0' to 8.0'
	S	6 12	19 6	Loose, black, medium to fine Gravel FILL with a trace of coarse grained sand and cinders	Black medium(+) to fine GRAVEL trace, (+) coarse Sand. Fill: cinders	
	S	8 12	5 4			
				Medium dense, brown PEAT and SILT (meadow mat)	Brown PEAT and SILT (meadow mat)	Bottom of boring 8.0'
0						Boring grouted from bottom to surface following sampling operation.
15						
0						

BORING LOG

A-16

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

B-107
E-11-P

PROJECT LOCATION Newark, New Jersey

PROJECT NO. 85C7752

DATE 2-5-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

WATER ENTERS E1.94.6 ATD

SURFACE ELEVATION 96.8* ELEVATION DATUM Assumed

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

BORING LOG

A-17

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752

B-108
E-9-D

PROJECT LOCATION Newark, New Jersey

DATE 2-6-85

RIG CME-55

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

WATER ENTERS None

SURFACE ELEVATION _____ ELEVATION DATUM _____

detected ATD

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

BORING LOG

A-18

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752

B-109
E-11-N

PROJECT LOCATION Newark, New Jersey

DATE 2-6-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 96.7* ELEVATION DATUM Assumed

WATER ENTERS El. 93.5 ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESIST	U.S.C.	BURMISTER	
0	T	-	-	Loose, black, coarse to fine grained Sand FILL with some medium to fine gravel, trace silt, cinders	Black coarse medium(+) to fine SAND, little(+) medium to fine(+) Gravel, trace Silt. Fill: cinders	Boring advanced with trowel (T) and 12" O.D. HSA
	S	6/6	8			
	S	10/12	10	Medium dense, black, coarse to fine grained Sand FILL with little silt, trace fine gravel, cinders, brick fragments	Black coarse medium(+) to fine SAND, little(-) Silt trace fine Gravel. Fill: cinders, brick fragments, ash	← Water detected ATD
	S	9/12	3			
	S	11/12	2	Becoming loose with ash	Black coarse medium(+) to SAND, little Silt. Fill: construction debris, coal, cinders, organic material	Note: Sample 109 was composited from 5.5' to 6.5'
	S	6/12	3	Loose, black, coarse to fine grained Sand FILL with little silt, trace of coal, cinders, debris		
5	S	2/12	2	Loose, black, medium to fine grained Sand FILL with cinders, ash, debris	Black medium to fine(+) SAND. Fill: ash, cinders, debris	Note: weight of hammer pushed spoon to 7.5'
	S	18/18	2			
			1	Loose, brown, SILT and PEAT (meadow mat)	Brown organic SILT and PEAT (meadow mat)	Bottom of boring 7.5' Boring grouted from bottom to surface following sampling operation. *Elev.=5.8 (NJGVC)
			0			

BORING LOG

A-19

PROJECT NAME 120 LISTER AVENUE

SHEET 1 OF 1

PROJECT NO. 85C7752

B-110
E-10-L

PROJECT LOCATION Newark, New Jersey

DATE 2-6-85

LOGGED BY Moore/Fessler DRILLED BY Empire Soils

RIG CME-55

SURFACE ELEVATION 96.2* ELEVATION DATUM Assumed

WATER ENTERS E1.93.8 ATD

DEPTH	SAMPLE			DESCRIPTION		SPECIAL NOTES AND FIELD OBSERVATIONS
	TYPE	REC	RESST	U.S.C.	BURMISTER	
0	T	-	-	Loose, black, medium to fine Gravel FILL with some coarse to fine grained Sand, trace Silt.	Black medium(+) to fine GRAVEL little, (+) coarse medium(+) to fine Sand, trace Silt. Fill.	Boring advanced with trowel (T) and 12" O.D. HSA ← Water detected ATD *Elev.=5.3 (NJGVC) Note: Sample 109 was composited from 5.0' to 11.0'. See below. Note: Between 5.0' and 6.0' the sampler hit an old bulkhead. After the sampler passed the bulkhead it dropped to 11.0' under the weight of the hammer only.
	S	6/6	57	Medium dense, black, coarse to fine grained Sand FILL with some medium to fine gravel, trace silt, organic material	Black coarse medium(+) to fine SAND, some medium to fine(+) Gravel, trace Silt. Fill: organic material.	
	S	8/12	25	Medium dense, black, fine grained Sand FILL with some coarse to medium grained sand, trace of fine gravel, cinders	Black coarse to fine(+) SAND, trace fine Gravel. Fill: cinders	
	S	4/12	9	Medium dense, black, coarse to fine grained Sand FILL with trace of fine gravel, ash, cinders, wood fibers	Black coarse medium(+) to fine SAND, trace fine Gravel. Fill: ash, cinders wood fibers.	
	S	4/12	14	Loose, black, medium to fine grained Sand FILL with trace wood fibers, fine gravel.	Black medium to fine(+) SAND, trace fine Gravel. Fill: wood fibers.	
	S	4/12	10			
	S	3/12	12			
5	S	3/12	4			
	S	3/12	7			
	S	3/12	3			
	S	12/12	1	Loose, gray-brown, SILT and PEAT (meadow mat)	Gray brown organic SILT and PEAT (meadow mat).	Bottom of boring 12.0' Boring grouted from bottom to surface following the sampling operation.

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

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

Project No 846722

Boring No STB-1
 Sheet 1 Of 4

DATE BEGAN <u>9-25-84</u>		BORING NO. <u>STB-1</u>		FIELD ENGINEER <u>D.E.B./C.J.</u>			
DATE FINISHED <u>10-19-84</u>		N <u>201.1</u> E <u>502.6</u>		CHECKED BY <u>D.E.B.</u>			
GROUND SURFACE EL <u>96.8'</u>							
ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE	REMARKS
						10 30 50	
70.0	26.0	S 113		LOOSE, GRAY, COARSE TO FINE, SAND, SOME SILT, TRACE GRAVEL, SOME MOTTLING, TRACE RED, SILT NODULES, WET	gray coarse to fine SAND, some (-) Silt, trace medium to fine (+) Gravel, trace red Silt nodules		
	27.5						
	30.0						
65.0	30.1	S 114			brownish red coarse to fine SAND, little (+) Silt, trace medium to fine (+) Gravel		
	32.5						
	35.0						
60.0	35.0	S 115					S-115 SILT SEAM RED-BROWN 0.1'
	37.5			MEDIUM DENSE, BROWNISH RED, COARSE TO FINE, SAND, SOME SILT, TRACE GRAVEL, WET			
	40.0						
55.0	40.0	S 116					
	42.5						
	45.0						
50.0	45.5	S 117			reddish brown SILT		
	47.5			REDDISH BROWN, VERY DENSE, SILT, MOIST		65	
	50.0						

NOTES

Project No 846722

Boring No STB-1

Sheet 2 Of 4

DATE BEGAN 9-25-84 BORING NO. STB-1 FIELD ENGINEER D.E.B./C.J.
 DATE FINISHED 10-19-84 CHECKED BY D.E.B.
 GROUND SURFACE EL 96.8' N 201.1 E 502.6

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE 10 30 50	REMARKS
45.0	52.5	S 118	{	REDDISH BROWN, VERY DENSE, SILT, MOIST		reddish brown SILT reddish brown medium to fine GRAVEL seam, some (-) coarse to fine Sand and Silt @ (50.0' 0 50.2')		
40.0	55.0	S 119	{	REDDISH BROWN, MEDIUM DENSE, GRAVEL SEAM, SOME SAND AND SILT @ (50.0' - 50.2')	m1			
35.0	60.0	S 120	{	MEDIUM DENSE, REDDISH BROWN, SILT, SOME FINE SAND, MOIST	m1	reddish brown SILT, some (-) medium to fine (+) Sand		
30.0	65.0	S 121	{	STIFF, REDDISH BROWN, SILT, MOIST	m1	reddish brown SILT		
25.0	70.0	S 122	{	VERY DENSE, REDDISH BROWN, MEDIUM TO FINE, SAND, SOME SILT, MOIST	sm	reddish brown medium to fine (+) SAND, little (+) Silt		
	72.5		{	VERY STIFF, REDDISH BROWN, SILT, SOME SAND, MOIST	m1	reddish brown SILT, some medium to fine Sand	106	
	75.0		{	GRADUALLY GRADES TO				

NOTES

Project No 846722 Boring No STB-1
 Sheet 3 Of 4

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

BORING NO. STB-1

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

N 201.1 E 502.6

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

NOTES

Project No 846722

Boring No STB-1
 Sheet 4 Of 4

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

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

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

Project No 846722 Boring No STB-2
 Sheet 1 Of 1

DATE BEGAN 9-27-84		DATE FINISHED 10-17-84		BORING NO. STB-3		FIELD ENGINEER D.E.B./C.L.J.				
GROUND SURFACE EL 97.5'		N 350		E 494.7		CHECKED BY D.E.B.				
ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE		REMARKS		
						10	30	50		
95.0	2.5	S-100 S-101	[Profile Diagram]	FILL: DENSE, BROWN AND GRAY, GRAVEL, (CRUSHED STONE) TRACE SAND, SILT, ASH, BRICK AND SLAG, DRY 2.0'	FILL: brown and gray coarse to fine GRAVEL, trace medium to fine SAND, and Silt (trace Ash, Brick and Slag) 2.0'				S-100 SAMPLED WITH A HAND TROWEL	
	5.0	S-102 S-103 S-104		FILL: LOOSE, DARK BROWN TO BLACK, SAND, TRACE SILT, GRAVEL, ASH AND BRICK, WET 6.2'	FILL: dark brown to black coarse to fine SAND, trace Silt, trace medium to fine (+) Gravel 6.2'					WATER TABLE at 3.1' SET 8" OF 9" PVC CASING WITH CEMENT GROUT
90.0	7.5	S-105		VERY LOOSE, GRAY, SAND, TRACE SILT, WET 6.5'	gray coarse to fine SAND, trace Silt 6.5'	sm				10-3-84 BEGAN SAMPLING AT 8.0'
	10.0	S-106 S-107		VERY LOOSE, GRAY AND BLACK, SAND, TRACE GRAVEL, WET 7.6'	gray and black coarse to fine SAND, trace medium to fine (+) Gravel 7.6'	sp				
	12.5	S-108 S-109		VERY LOOSE, BROWN, SILT, WITH ORGANIC FIBERS AND ROOTS, WET GRADES TO BROWN AND GRAY COLOR	brown SILT, with organic Fibers and Roots	ol				
85.0	15.0	S-110		GRADES TO 14.0'	gray SILT, trace fine Sand 14.0'	ol				
	17.5	S-111		VERY LOOSE, GRAY, SILT, TRACE FINE SAND, MOIST						
80.0	20.0	S-112 S-113		LOOSE, GRAY, COARSE TO FINE, SAND, TRACE SILT, WET 21.0'	gray coarse to fine (+) SAND, trace Silt 21.0'	sm				SET 20' OF 4" PVC CASING WITH CEMENT GROUT
75.0	22.5	S-114		MEDIUM DENSE, BROWNISH BLACK, SILT, TRACE SAND, TRACE ORGANICS, WET	brownish black SILT, trace medium to fine (+) Sand, trace Organics	ol				
	25.0									

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

Project No 846722

Boring No STB-3
 Sheet 1 Of 4

DATE BEGAN <u>9-27-84</u>		BORING NO. <u>STB-3</u>		FIELD ENGINEER <u>D.E.B./C.L.J.</u>			
DATE FINISHED <u>10-17-84</u>		GROUND SURFACE EL <u>97.5'</u>		CHECKED BY <u>D.E.B.</u>			
		N <u>350</u> E <u>494.7</u>					
ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION U S C S	DESCRIPTION BURMISTER	PENETRATION RESISTANCE	REMARKS
						10 30 50	
		S	115				TRACE OF ORGANIC (25.0'-26.0')
	26.0'						
70.0	27.5		116	MEDIUM DENSE, GRAY TO BLACK, COARSE TO FINE, SAND, SOME SILT, WET	gray to black coarse to fine SAND, some (-) Silt		ADVANCED THE HOLE USING 3" STEEL CASING WASHING OUT BETWEEN SAMPLES WITH 2" BIT
	30.0						
	30.0'						
65.0	32.5	S	117	MEDIUM DENSE, BROWNISH GRAY, COARSE TO MEDIUM, SAND, SOME SILT, WET	brownish gray coarse to medium (+) SAND, some (-) Silt		
	34.0'						
	34.0'			GRADES TO:			
	35.0	S	118	DENSE, RED TO BROWN, GRAVEL UP TO 1" DIA. TRACE SAND, SOME SANDSTONE PEBBLES, WET	red to brown medium to fine GRAVEL, trace coarse to fine Sand, (some Sandstone Pebbles)		
60.0	37.5						69
	38.5'						
	38.5'						
	40.0	S	119	MEDIUM DENSE, REDDISH BROWN, COARSE TO MEDIUM, SAND, SOME GRAVEL, TRACE SILT, WET	reddish brown coarse to medium (+) SAND, little (+) medium to fine Gravel, trace Silt		
55.0	42.5						
	45.0	S	119	GRADUAL INCREASE IN SILT CONTENT			
50.0	47.5						
	50.0						

NOTES

Project No 846722

Boring No STB-3
 Sheet 2 Of 4

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

BORING NO. STB-3

N 350 E 494.7

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

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

NOTES:

Project No 846722

Boring No STB-3
 Sheet 4 Of 4

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

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

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

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

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

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

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

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

NOTES

Project No 846722

Boring No STB-5
 Sheet 2 Of 3

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

BORING NO. STB-5
 N 441.5 E 553.8

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

ELEV (FEET)	DEPTH FEET	SAMPLE TYPE	PROFILE	DESCRIPTION USCS	USCS	DESCRIPTION BURMISTER	PENETRATION RESISTANCE			REMARKS
							10	30	50	
45.0	52.5	S 120	[Profile Diagram: A vertical column with a shaded area between 52.5 and 56.5 feet depth, and a cross-section symbol 'S' at the top and bottom.]	GRADES TO: VERY DENSE, REDDISH BROWN, COARSE TO FINE, SAND, TRACE GRAVEL AND SILT, WET	sm		[Penetration Resistance Graph: A line graph with a peak at 52.5 feet depth and a value of approximately 35 on the 10-30-50 scale.]			
41.1	56.5	S 121								
				B. O. H. 56.5'						

NOTES

Project No 946722

Boring No STB-5
 Sheet 3 Of 3

MONITORING WELL INSTALLATION REPORT

A-34

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

LOG OF BORING AND MONITORING WELL

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

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

MONITORING WELL INSTALLATION REPORT

A-35

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

LOG OF BORING AND MONITORING WELL

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

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

MONITORING WELL INSTALLATION REPORT

A-36

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

LOG OF BORING AND MONITORING WELL

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

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

APPENDIX
B

APPENDIX B

APPENDIX B
TABLE OF CONTENTS

	PAGE
FINAL DIOXIN RESULTS	B-1

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

R S L T . L N E	C L I E N T #	S A M P L I N G S C	S O R T	T A S K
1.7 ppb	C-10-H-2159-100-S-Y	Near Surface Soil-Station C-10-H, 0-6"	850119	SARGENT2
11.0 ppb	C-10-H-2160-101-S-Y	Near Surface Soil-Station C-10-H, 6-12"	850119	SARGENT2
1.4 ppb	C-10-H-2161-102-S-Y	Near Surface Soil-Station C-10-H, 12-24"	850119	SARGENT2
2.9 ppb	D-8-I-2162-100-S-Y	Near Surface Soil-Station D-8-I, 0-6"	850119	SARGENT2
2.9 ppb	D-8-I-2163-101-S-Y	Near Surface Soil-Station D-8-I, 6-12"	850119	SARGENT2
71. ppb	E-11-F-2165-100-S-Y	Near Surface Soil-Station E-11-F, 0-6"	850119	SARGENT2
490. ppb	E-11-F-2166-101-S-Y	Near Surface Soil-Station E-11-F, 6-12"	850119	SARGENT2
97.0 ppb	E-11-F-2167-102-S-Y	Near Surface Soil-Station E-11-F, 12-24"	850119	SARGENT2
2.1 ppb	K-9-D-2168-100-S-Y	Soil Boring-Station K-9-D, 0-6"	850119	SARGENT2
5.1 ppb	K-9-D-2169-101-S-Y	Soil Boring-Station K-9-D, 6-12"	850119	SARGENT2
4.2 ppb	K-9-D-2170-102-S-Y	Soil Boring-Station K-9-D, 12-24"	850119	SARGENT2
1.1 ppb	K-9-D-2171-103-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
0.42 ppb	K-9-D-2172-104-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
0.30 ppb	K-9-D-2173-105-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
ND (0.20 ppb)	K-9-D-2174-106-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
ND (0.20 ppb)	K-9-D-2175-107-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
ND (0.07 ppb)	K-9-D-2177-109-S-Y	Soil Boring-Station K-9-D, 18" interval	850119	SARGENT2
1.1 ppb	9300-2178-C-L	Chip-Tile Bldg,NW Corner,Interior,High/Mid/Low ea wal	850119	SARGENT2
1.9 ppb	9300-2179-C-L	Chip-Tile Bldg,SE Corner,Interior,High/Mid/Low ea wal	850119	SARGENT2
ND (1.0 ppb)	9300-2180-C-L	Chip-Tile Bldg,NW Corner,Exterior,High/Mid/Low ea wal	850119	SARGENT2
ND (0.90 ppb)	9300-2181-C-L	Chip-Tile Bldg,SE Corner,Exterior,High/Mid/Low ea wal	850119	SARGENT2
6.7 ppb	9300-2182-C-L	Chip-Tile Bldg, Floor, High Traffic Area	850119	SARGENT2
0.67 ppb	9300-2183-C-L	Chip-Tile Bldg, Roof	850119	SARGENT2
ND (0.01 ppb)	F008-2184-C-L	Field Blank-Chip	850119	SARGENT2
0.56 ppb	F-9-G-2185-100-S-Y	Soil Boring-Station F-9-G, 0-6"	850123	SARGENT2
0.58 ppb	F-9-G-2186-101-S-Y	Soil Boring-Station F-9-G, 6-12"	850123	SARGENT2
ND (0.30 ppb)	F-9-G-2187-102-S-Y	Soil Boring-Station F-9-G, 12-24"	850123	SARGENT2
ND (0.30 ppb)	F-9-G-2188-103-S-Y	Soil Boring-Station F-9-G, 18" interval	850123	SARGENT2
ND (0.30 ppb)	F-9-G-2189-104-S-Y	Soil Boring-Station F-9-G, 18" interval	850123	SARGENT2
ND (0.60 ppb)	F-9-G-2194-109-S-Y	Soil Boring-Station F-9-G, 18" interval	850123	SARGENT2
0.34 ppb	K-12-B-2197-103-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.19 ppb	K-12-B-2198-104-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.72 ppb	K-12-B-2199-105-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.60 ppb	K-12-B-2200-106-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.84 ppb	K-12-B-2201-107-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.54 ppb	K-12-B-2203-109-S-Y	Soil Boring-Station K-12-B, 18" interval	850124	SARGENT2
0.49 ppb	D-12-D-2204-103-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	SARGENT2
0.45 ppb	D-12-D-2205-104-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	SARGENT2
0.23 ppb	D-12-D-2206-105-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	SARGENT2
ND (0.40 ppb)	D-12-D-2210-109-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	SARGENT2
ND (54 ng/meter2)	9300-2231-W-L	Wipe-Composite of vert.tank 1 & horiz. tank 2,in&out	850128	SARGENT2
ND (54 ng/meter2)	9300-2232-W-L	Wipe-Composite of horiz. tank 3 & vert. tank 4,in&out	850128	SARGENT2
ND (10 ng/meter2)	9300-2233-W-L	Wipe-Composite of horiz. tank 5 & 6, outside legs	850128	SARGENT2
ND (10 ng/meter2)	9300-2234-W-L	Wipe-Composite of Blower 7 & duct elbow 8, in & out	850128	SARGENT2
ND (4.0 ng/meter2)	9300-2235-W-L	Wipe-Composite of Horiz. tank 9 & 10, outside	850128	SARGENT2
ND (2.0 ng/wipe)	F012-2236-W-L	Field Blank-Wipe	850128	SARGENT2

Dioxin Results for 120 Lister Site

04/24/85 18:22:30 PAGE 3

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

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

APPENDIX
C

APPENDIX C

APPENDIX C
TABLE OF CONTENTS

	PAGE
FEBRUARY 11, 1985 DIOXIN RESULTS ISSUE	C-1
SAMPLE ARCHIVES: WINTER/SPRING 1985	C-6
DIOXIN RESULTS: 120 LISTER SOIL SAMPLES	C-8



IT CORPORATION

February 11, 1985

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

Dear Mr. Holden:

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

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

Very truly yours,

A handwritten signature in cursive script that reads 'Carol A. Colclough'.

✓ Carol A. Colclough
Analytical Project Manager

lm

Enclosure

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

Regional Office

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

DEP\DA0099114

IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

120 Lister Dioxin Results: Soils & Chips

PRODUCED ON 02/11/85 AT 16:17

PAGE 1

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

IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

120 Lister Dioxin Results: Soils & Chips

PRODUCED ON 02/11/85 AT 16:18

PAGE 2

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

2557 RECORDS EXAMINED ; 83 SELECTIONS QUALIFIED

IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

Sample Inventory: 120 Lister Soils/Chips

PRODUCED ON 02/11/85 AT 16:39

PAGE 1

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

IT ANALYTICAL SERVICES LIMS 2000 DATA BASE

Sample Inventory: 120 Lister Soils/Chips

PRODUCED ON 02/11/85 AT 16:44

PAGE 2

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

9614 RECORDS EXAMINED ; 83 SELECTIONS QUALIFIED

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

```

=====
01 9200-2531-W-L      Wipe-Mack Truck Tailgate #S-05, composite of 2 wipes 850219
01 9200-2532-W-L      Wipe-Mack Truck Tailgate #S-10, composite of 2 wipes 850219
01 9200-2533-W-L      Wipe-Truck Fuel Tank #S-13, composite of 2 wipes 850219
01 9200-2534-W-L      Wipe-Truck Fuel Tank #S-14, composite of 2 wipes 850219
01 9200-2546-W-L      Wipe-Truck Fuel Tank #S-20, Composite of 2 wipes 850306
01 9200-2560-W-L      Wipe-Trailer #SD-222, Composite of 2 wipes 850306
01 9200-2614-W-L      Wipe-Vessel #S-30, Composite of 2 wipes 850305
01 9200-2615-W-L      Wipe-Pipe #S-31, Composite of 2 wipes 850305
01 9200-2616-W-L      Wipe-Pipe #S-32, Composite of 2 wipes 850305
01 9200-2617-W-L      Wipe-Pipe #S-33, Composite of 2 wipes 850305
01 9200-2618-W-L      Wipe-Vessel #S-34, Composite of 2 wipes 850305
01 9200-2619-W-L      Wipe-Vessel #S-35, Composite of 2 wipes 850305
01 9200-2620-W-L      Wipe-Box Trailer #S-36, Composite of 2 wipes 850305
01 9200-2622-W-L      Wipe-Vessel #S-37, Composite of 2 wipes 850306
01 9200-2623-W-L      Wipe-Vessel #S38, Composite of 2 wipes 850306
01 9800-2752-S-G      Near Surface Soil-Hot Spot in Excavation,Comp.5 0-3" 850402
07 C-10-D-2271-100-S-L Near Surface Soil-Station C-10-D, 0-6" (N110,E493) 850129
07 C-10-D-2272-101-S-L Near Surface Soil-Station C-10-D, 6-12" (N110,E493) 850129
01 C-10-D-2273-102-S-L Near Surface Soil-Station C-10-D, 12-24" (N110,E493) 850129
01 C-11-D-2265-100-S-L Near Surface Soil-Station C-11-D, 0-6" (N110,E543) 850129
01 C-11-D-2266-101-S-L Near Surface Soil-Station C-11-D, 6-12" (N110,E543) 850129
01 C-11-D-2267-102-S-L Near Surface Soil-Station C-11-D, 12-24" (N110,E543) 850129
01 C-12-D-2262-100-S-L Near Surface Soil-Station C-12-D, 0-6" (N110,E593) 850129
01 C-12-D-2263-101-S-L Near Surface Soil-Station C-12-D, 6-12" (N110,E593) 850129
01 C-12-D-2264-102-S-L Near Surface Soil-Station C-12-D, 12-24" (N110,E593) 850129
01 D-11-D-2284-100-S-L Near Surface Soil-Station D-11-D, 0-6" (N160,E543) 850130
01 D-11-D-2285-101-S-L Near Surface Soil-Station D-11-D, 6-12" (N160,E543) 850130
01 D-11-D-2286-102-S-L Near Surface Soil-Station D-11-D, 12-24" (N160,E543) 850130
01 D-11-6-2346-103-S-L Soil Boring-Station D-11-6, 12" interval 850205
01 D-11-6-2347-104-S-L Soil Boring-Station E-11-6, 12" interval 850205
01 D-11-6-2348-105-S-L Soil Boring-Station D-11-6, 12" interval 850205
01 D-11-6-2349-106-S-L Soil Boring-Station D-11-6, 12" interval 850205
01 D-11-6-2352-109-S-L Soil Boring-Station D-11-6, 12" interval 850205
01 D-9-D-2287-100-S-L Near Surface Soil-Station D-9-D, 0-6" (N160,E443) 850130
01 D-9-D-2288-101-S-L Near Surface Soil-Station D-9-D, 6-12" (N160,E443) 850130
01 D-9-D-2289-102-S-L Near Surface Soil-Station D-9-D, 12-24" (N160,E443) 850130
01 E-10-L-2379-103-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2380-104-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2381-105-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2382-107-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2382-106-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-10-L-2385-109-S-L Soil Boring-Station E-10-L, 12" interval 850206
01 E-11-D-2290-100-S-L Near Surface Soil-Station E-11-D, 0-6" (N210,E543) 850130
01 E-11-D-2291-101-S-L Near Surface Soil-Station E-11-D, 6-12" (N210,E543) 850130
07 E-11-F-2330-105-S-L Soil Boring-Station E-11-F, 12" interval 850204
07 E-11-F-2331-106-S-L Soil Boring-Station E-11-F, 12" interval 850204
=====

```

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

```

=====
07 E-11-F-2332-107-S-L Soil Boring-Station E-11-F, 12" interval 850204
07 E-11-F-2334-109-S-L Soil Boring-Station E-11-F, 12" interval 850204
01 E-11-N-2369-103-S-L Soil Boring-Station E-11-N, 12" interval 850206
01 E-11-N-2370-104-S-L Soil Boring-Station E-11-N, 12" interval 850206
01 E-11-N-2371-105-S-L Soil Boring-Station E-11-N, 12" interval 850206
01 E-11-N-2375-109-S-L Soil Boring-Station E-11-N, 12" interval 850206
01 E-11-P-2338-105-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-11-P-2339-106-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-11-P-2340-107-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-11-P-2341-108-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-11-P-2342-109-S-L Soil Boring-Station E-11-P, 12"interval (N201.1,E502. 850205
01 E-9-D-2388-100-S-L Near Surface Soil-Station E-9-D, 0-6" 850206
01 E-9-D-2389-101-S-L Near Surface Soil-Station E-9-D, 6-12" 850206
01 E-9-D-2390-102-S-L Near Surface Soil-Station E-9-D, 12-24" 850206
01 F030-2547-W-L Field Blank-Wipes 850306
01 F036-2621-W-L Field Blank-Wipe 850305
07 F-10-D-2293-100-S-Y Near Surface Soil-Station F-10-D, 0-6" (N260,E493) 850131
01 F-10-D-2294-101-S-Y Near Surface Soil-Station F-10-D, 6-12" (N260,E493) 850131
01 F-10-D-2295-102-S-Y Near Surface Soil-Station F-10-D, 12-24" (N260,E493) 850131
01 G-9-D-2296-100-S-Y Near Surface Soil-Station G-9-D, 0-6" (N310,E443) 850131
01 G-9-D-2297-101-S-Y Near Surface Soil-Station G-9-D, 6-12" (N310,E443) 850131
01 G-9-D-2298-102-S-Y Near Surface Soil-Station G-9-D, 12-24" (N310,E443) 850131
01 H-10-D-2305-100-S-Y Near Surface Soil-Station H-10-D, 0-6" (N360,E493) 850131
01 H-10-D-2306-101-S-L Near Surface Soil-Station H-10-D, 6-12" (N360,E493) 850131
01 H-10-D-2307-102-S-L Near Surface Soil-Station H-10-D, 12-24" (N360,E493) 850131
07 H-11-D-2308-100-S-Y Near Surface Soil-Station H-11-D, 0-6" (N360,E543) 850131
01 H-11-D-2309-101-S-Y Near Surface Soil-Station H-11-D, 6-12" (N360,E543) 850131
01 H-11-D-2310-102-S-L Near Surface Soil-Station H-11-D, 12-24" (N360,E543) 850131
07 J-12-D-2314-100-S-L Near Surface Soil-Station J-12-D, 0-6" (N410,E593) 850201
01 J-12-D-2315-101-S-L Near Surface Soil-Station J-12-D, 6-12" (N410,E593) 850201
01 J-12-D-2316-102-S-L Near Surface Soil-Station J-12-D, 12-24" (N410,E593) 850201
=====

```

C L I E N T #	S A M P L E S C	S O I L 2	R E S U L T E
C-10-D-2271-100-S-L	Near Surface Soil-Station C-10-D, 0-6" (N110,E493)	850129	ND (0.83 ppb)
C-10-D-2272-101-S-L	Near Surface Soil-Station C-10-D, 6-12" (N110,E493)	850129	ND (0.86 ppb)
C-10-H-2159-100-S-Y	Near Surface Soil-Station C-10-H, 0-6"	850119	1.7 ppb
C-10-H-2160-101-S-Y	Near Surface Soil-Station C-10-H, 6-12"	850119	11.0 ppb
C-10-H-2161-102-S-Y	Near Surface Soil-Station C-10-H, 12-24"	850119	1.4 ppb
C-8-D-2000-100-S-L	Near Surface Soil-Station C-8-D, 1-6"	850115	1.2 ppb
C-8-D-2001-101-S-L	Near Surface Soil-Station C-8-D, 6-12"	850115	24.3 ppb
C-8-D-2002-102-S-L	Near Surface Soil-Station C-8-D, 12-24"	850115	2.1 ppb
C-9-D-2103-100-S-L	Near Surface Soil-Station C-9-D, 0-6"	850117	1.0 ppb
C-9-D-2104-101-S-L	Near Surface Soil-Station C-9-D, 6-12"	850117	1.0 ppb
C-9-D-2105-102-S-L	Near Surface Soil-Station C-9-D, 12-24"	850117	4.9 ppb
D-10-D-2069-100-S-L	Near Surface Soil-Station D-10-D, 0-6"	850119	ND (0.7 ppb)
D-11-G-2343-100-S-L	Soil Boring-Station D-11-G, 0-6"	850205	67. ppb
D-11-G-2344-101-S-L	Soil Boring-Station D-11-G, 6-12"	850205	6.4 ppb
D-11-G-2345-102-S-L	Soil Boring-Station D-11-G, 12-24"	850205	8.9 ppb
D-12-D-2117-100-S-Y	Soil Boring-Station D-12-D, 0-6"	850118	6.9 ppb
D-12-D-2118-101-S-Y	Soil Boring-Station D-12-D, 6-12"	850118	ND (3.0 ppb)
D-12-D-2119-102-S-Y	Soil Boring-Station D-12-D, 12-24"	850118	ND (1.7 ppb)
D-12-D-2204-103-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	0.49 ppb
D-12-D-2205-104-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	0.45 ppb
D-12-D-2206-105-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	0.23 ppb
D-12-D-2210-109-S-Y	Soil Boring-Station D-12-D, 18" interval	850123	ND (0.40 ppb)
D-8-I-2162-100-S-Y	Near Surface Soil-Station D-8-I, 0-6"	850119	2.8 ppb
D-8-I-2163-101-S-Y	Near Surface Soil-Station D-8-I, 6-12"	850119	2.9 ppb
E-10-D-2066-100-S-L	Near Surface Soil-Station E-10-D, 0-6"	850116	0.55 ppb
E-10-D-2067-101-S-L	Near Surface Soil-Station E-10-D, 6-12"	850116	ND (0.08 ppb)
E-10-D-2068-102-S-L	Near Surface Soil-Station E-10-D, 12-24"	850116	ND (0.58 ppb)
E-10-L-2376-100-S-L	Soil Boring-Station E-10-L, 0-6"	850206	1.2 ppb
E-10-L-2377-101-S-L	Soil Boring-Station E-10-L, 6-12"	850206	ND (0.48 ppb)
E-10-L-2378-102-S-L	Soil Boring-Station E-10-L, 12-24"	850206	ND (1.2 ppb)
E-11-F-2165-100-S-Y	Near Surface Soil-Station E-11-F, 0-6"	850119	71. ppb
E-11-F-2166-101-S-Y	Near Surface Soil-Station E-11-F, 6-12"	850119	> 490. ppb
E-11-F-2167-102-S-Y	Near Surface Soil-Station E-11-F, 12-24"	850119	97.0 ppb
E-11-F-2328-103-S-L	Soil Boring-Station E-11-F, 24-36"	850204	155. ppb
E-11-F-2329-104-S-L	Soil Boring-Station E-11-F, 36-48"	850204	73.5 ppb
E-11-F-2330-105-S-L	Soil Boring-Station E-11-F, 12" interval	850204	93.7 ppb
E-11-F-2331-106-S-L	Soil Boring-Station E-11-F, 12" interval	850204	61.5 ppb
E-11-F-2332-107-S-L	Soil Boring-Station E-11-F, 12" interval	850204	69.1 ppb
E-11-F-2334-109-S-L	Soil Boring-Station E-11-F, 12" interval	850204	17.4 ppb
E-11-N-2366-100-S-L	Soil Boring-Station E-11-N, 0-6"	850206	94.0 ppb
E-11-N-2367-101-S-L	Soil Boring-Station E-11-N, 6-12"	850206	19.0 ppb
E-11-N-2368-102-S-L	Soil Boring-Station E-11-N, 12-24"	850206	11.0 ppb
E-11-P-2336-103-S-L	Soil Boring-Station E-11-P, 24-36" (N201.1,E502.6)	850205	6.1 ppb
E-11-P-2337-104-S-L	Soil Boring-Station E-11-P, 36-48" (N201.1,E502.6)	850205	4.0 ppb
E-12-G-2114-100-S-L	Near Surface Soil-Station E-12-G, 0-6"	850119	0.62 ppb
F-10-D-2293-100-S-L	Near Surface Soil-Station F-10-D, 0-6" (N260,E493)	850131	2.2 ppb

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

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

=====

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

=====

APPENDIX
D

APPENDIX D

APPENDIX D

TABLE OF CONTENTS

	PAGE
FOOTNOTES TO QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS TABLE	D-1
ORGANIC PRIORITY POLLUTANT METHOD DETECTION LIMITS	D-2
ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS: 120 LISTER AVENUE SOILS - NEAR SURFACE AND BORINGS	D-6
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS AND TENTATIVELY IDENTIFIED COMPOUNDS: 120 LISTER AVENUE SOILS-	D-8
STATION C-10-H	
STATION D-8-I	
STATION D-12-D	
STATION E-11-F	
STATION F-9-G	
STATION H-12-D	
STATION K-9-D	
STATION K-12-B	

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

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

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

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

§: insufficient sample for analysis.

a: identification confirmed by GC/MS

b: results not available at this time

**ORGANIC PRIORITY POLLUTANT
METHOD DETECTION LIMITS**

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

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

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

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

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

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

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

* results not available at this time

1 further dilution 3:10

2 further dilution 1:100

3 further dilution 1:2

4 further dilution 1:4

5 further dilution 1:10

** insufficient sample for analysis

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

Continued - Page 2 of 2

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

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

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

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

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

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

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

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

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

CAS Number	Compound Name	Y2159	Y2160	Y2161
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-OP-C-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station C-10-H

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: C-10-H-2161-102-S-Y

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

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

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

CAS Number	Compound Name	Y2162 0-0.5'	Y2163 0.5'-1.0'
<hr/> (Concentration units are parts per billion)			
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	2.8	2.9
<hr/> Volatile Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)			
71-43-2	Benzene	ND	35.
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	25.*	120.
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

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

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

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

CAS Number	Compound Name	Y2162	Y2163
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</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	420.*
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	130.*	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

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

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

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

CAS Number	Compound Name	Y2162	Y2163
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	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	400.*	910.*
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	430.*	810.*
117-84-0	Di-N-octyl phthalate	160.*	ND
84-66-2	Diethyl phthalate	ND	160.*
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	200.*	750.*
50-32-8	Benzo(A)pyrene	270.*	910.*
205-99-2	Benzo(B)fluoranthene	370.*	1100.
207-08-9	Benzo(K)fluoranthene	ND	ND

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

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

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

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

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

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

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

D-28

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

D2B-QP-E-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

D-29

SAMPLE DESCRIPTION: Soil: Station D-8-I

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-G-1 to 9

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

CAS Number	Compound Name	Y2205 3.5'-5.0'	Y2206 5.0'-6.5'	Y2210 6.5'-8.0'
------------	---------------	--------------------	--------------------	--------------------

(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.45	0.23	ND(0.40)
-----------	--------------------------------------	------	------	----------

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

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

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

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

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

CAS Number	Compound Name	Y2205	Y2206	Y2210
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-J-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: D-12-D-2119-102-S-Y

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	C8 alkane	690. µg/kg
2. 6975-92-4	2,5-dimethyl-1-hexene	1600. µg/kg
3. 111-65-9	Octane	1100. µg/kg
4. --	Unknown - methyl carbonyl	2600. µg/kg
5. 123-42-2	4-hydroxy-4-methyl-2-pentanone	72,000. µg/kg
6. 110-12-3	5-methyl-2-hexanone	4500. µg/kg
7. 4305-26-4	6-(acetyloxy)-2-hexanone	1900. µg/kg
8. 628-68-2	2,2-oxybisethanol diacetate	1200. µg/kg
9. 17302-2307	4,5-dimethyl nonane	470. µg/kg
10. 10544-50-0	Molecular sulfur	1300. µg/kg
11. --	Unknown	1400. µg/kg
12. --	Unknown	2800. µg/kg
13. --	Unknown - siloxanes	1100. µg/kg
14. --	Unknown	560. µg/kg
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

D-53

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - methyl pentanone?	450. µg/kg
2. --	Unknown - acetic acid ester?	5500. µg/kg
3. 123-42-2	Hydroxymethylpentanone	140,000. µg/kg
4. --	Unknown - Ketone or acid	5800. µg/kg
5. --	Unknown	2100. µg/kg
6. 10544-50-0	Sulfur, Mol. (58)	910. µg/kg
7. --	Unknown	1200. µg/kg
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - acetic acid ester?	10,000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	110,000. µg/kg
3. --	Unknown ketone or acid	17,000. µg/kg
4. --	Unknown	4400. µg/kg
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station D-12-D

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
VOLATILES:		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
BASE/NEUTRAL/ACIDS:		
1. --	Unknown - acetic acid ester?	10,000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	86,000. µg/kg
3. --	Unknown ketone or acid	20,000. µg/kg
4. 110-13-4	2,5-hexanedione	560. µg/kg
5. 628-68-2	Ethanol,2,2 ¹ -oxybis-,diacetate	5000. µg/kg
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2A-QP-0-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

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

CAS Number	Compound Name	Y2185 0'-0.5'	Y2186 0.5'-1.0'	Y2187 1.0'-2.0'
------------	---------------	------------------	--------------------	--------------------

(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.56	0.58	ND(0.30)
-----------	--------------------------------------	------	------	----------

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-K-1 to 9

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-L-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown (organic acid?)	5600. µg/kg
2. 123-42-2	Hydroxymethylpentanone	100,000. µg/kg
3. --	Unknown - ketone	4800. µg/kg
4. 5343-96-4	2-butanol, 3-methyl-, acetic	2000. µg/kg
5. --	Unknown	1200. µg/kg
6. --	Unknown	560. µg/kg
7. --	Unknown	590. µg/kg
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown alkane	530. µg/kg
2. --	Unknown - acetic acid ester?	4400. µg/kg
3. 123-42-2	Hydroxymethylpentanone	153,000. µg/kg
4. --	Unknown	14,000. µg/kg
5. 55956-25-7	2-propanol,1-(1-methyl-s(2-propenyl oxy)	880. µg/kg
6. --	Unknown - dibutyl ether?	640. µg/kg
7. 10544-50-0	Sulfur, Mol. (58)	5600. µg/kg
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

D-89

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-21-4	Acetic acid, 1-methyl ethyl ester	4000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	150,000. µg/kg
3. --	Unknown - acid or ketone	3800. µg/kg
4. 18641-82-2	Pentane, 1-propoxy-	1800. µg/kg
5. 10544-50-0	Sulfur, Mol. (58)	3800. µg/kg
6. --	Unknown (siloxane?)	530. µg/kg
7. --	Unknown siloxane	1200. µg/kg
8. --	Unknown siloxane	770. µg/kg
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

D-90

SAMPLE DESCRIPTION: Soil: Station F-9-G

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown acetic acid ester	4500. µg/kg
2. 123-42-2	Hydroxymethylpentanone	140,000. µg/kg
3. 4305-26-4	2-hexanone,6-(acetyloxy)-	3400. µg/kg
4. 5343-96-4	2-butanol,3-methyl-,acetate	1700. µg/kg
5. 55956-25-7	2-propanol,1-(1-methyl-2-(2-propethoxyl)	620. µg/kg
6. --	Unknown - C17 alcohol?	570. µg/kg
7. 57-10-3	Hexadecanoic acid	450. µg/kg
8. 10544-50-0	Sulfur, Mol. (58)	4100. µg/kg
9. --	Unknown	1100. µg/kg
10. 7303-06-8	Phenanthrene, 3,4,5,6-tetramethyl	760. µg/kg
11. 7303-06-8	Phenanthrene, 3,4,5,6-tetramethyl	660. µg/kg
12. --	Unknown	730. µg/kg
13. --	Unknown	490. µg/kg
14. --	Unknown	1300. µg/kg
15. --	Unknown	550. µg/kg
16. --	Unknown	550. µg/kg
17. --	Unknown	490. µg/kg
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-D-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

D-100

SAMPLE DESCRIPTION: Soil: Station H-12-D

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

D-101

SAMPLE DESCRIPTION: Soil: Station H-12-D

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

D-102

SAMPLE DESCRIPTION: Soil: Station H-12-D

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

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

CAS Number	Compound Name	Y2168 0-0.5'	Y2169 0.5'-1.0'	Y2170 1.0'-2.0'	Y2171 2.0'-3.5'	Y2172 3.5'-5.0'
------------	---------------	-----------------	--------------------	--------------------	--------------------	--------------------

(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	2.1	5.1	4.2	1.1	0.42
-----------	--------------------------------------	-----	-----	-----	-----	------

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-A-1 to 9

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

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

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

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

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

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

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

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

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

D-115

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-B-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
VOLATILES:		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
BASE/NEUTRAL/ACIDS:		
1. --	Unknown - acetic acid ester?	2900. µg/kg
2. 123-42-2	Hydroxymethylpentanone	74,000. µg/kg
3. 105-46-4	Acetic acid, 1-methylpropylester	3000. µg/kg
4. 108-05-4	Acetic acid ethenylester	810. µg/kg
5. 58-89-9	Cyclohexane 1,2,3,4,5,6-C16	8100. µg/kg
6. 58-89-9	Cyclohexane 1,2,3,4,5,6-C16	22,000. µg/kg
7. 58-89-9	Cyclohexane 1,2,3,4,5,6-C16	610. µg/kg
8. 4329-12-8	Benzene, 1-chloro-3-[2,2-C12---	860. µg/kg
9. 4329-12-8	Benzene, 1-chloro-3-[2,2-C12---	2300. µg/kg
10. 50-29-3	Benzene, 1,1-[2,2,2-C13---	3000. µg/kg
11. --	C20-C40 hydrocarbon unknown	850. µg/kg
12. 630-07-9	Pentatriacontane	3300. µg/kg
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-9-D-2171-103-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
VOLATILES:		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
BASE/NEUTRAL/ACIDS:		
1. --	Unkonwn acetic acid ester?	4000. µg/kg
2. 123-42-2	Hydroxymethylpentanone	95,000. µg/kg
3. --	Unknown carbonyl CPD	4000. µg/kg
4. --	Unknown acetic acid ester?	1100. µg/kg
5. 58-89-9	Cyclohexane, 1,2,3,4,5,6-Cl ₆	1800. µg/kg
6. --	Unknown methyl phenanthrene?	860. µg/kg
7. 10544-50-0	Sulfur, Mol. (58)	960. µg/kg
8. --	Unkonwn - methyl pyrene?	960. µg/kg
9. 4329-12-8	Benzene-1-ch]oro-3-[2,2-Cl ₂ ---	900. µg/kg
10. 50-29-3	Benzene, 1,1 ¹ -(2,2,2-Cl ₃)	820. µg/kg
11. --	Unknown	3700. µg/kg
12. 630-07-9	Pentatriacontane	990. µg/kg
13. 205-82-3	Benzo[J]fluoranthene	1600. µg/kg
14. 630-0709	Pentatriacontane	4000. µg/kg
15. --	Unknown - column bleed?	1100. µg/kg
16. --	Unknown - column bleed?	770. µg/kg
17. --	Unknown	610. µg/kg
18. --	Unknown	590. µg/kg
19. --	Unknown PNA	440. µg/kg
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown	570. µg/kg
2. --	Unknown ethanethioic acid?	910. µg/kg
3. 123-42-2	Hydroxymethylpentanone	47,000. µg/kg
4. --	Unknown methyl carbonyl	100. µg/kg
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-D

OFF-SITE LOCATION: 120 Lister Ave.

SAMPLE NO: K-9-D-2173-105-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown acetic acid ester?	2900. µg/kg
2. 123-42-2	Hydroxymethylpentanone	95,000. µg/kg
3. --	Unknown carbonyl CPD	2700. µg/kg
4. --	Unknown	880. µg/kg
5. 10544-50-0	Sulfur, Mol. (58)	2400. µg/kg
6. --	Unknown PNA	860. µg/kg
7. --	Unknown - column bleed?	490. µg/kg
8. --	Unknown - column bleed?	850. µg/kg
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-D

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-9-DOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-9-D-2175-107-S-Y

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-I-1 to 9

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

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

(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.72	0.60	0.84	0.54
-----------	--------------------------------------	------	------	------	------

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-F-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-BOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-12-B-2072-100-S-Y

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
VOLATILES:		
1. --	Unknown	40. µg/kg
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
BASE/NEUTRAL/ACIDS:		
1. --	Unknown acetic acid ester?	5400. µg/kg
2. 123-42-2	Hydroxymethylpentanone	83,000. µg/kg
3. --	Unknown ketone or acid?	4600. µg/kg
4. 343-96-4	2-butanol, 3-methyl, acetate	2700. µg/kg
5. --	Unknown-dodecanone?	840. µg/kg
6. --	Unknown	1000. µg/kg
7. 50-29-3	Benzene, 1,1 ¹ -(2,2,2-trichloroethyl- idene---	4200. µg/kg
8. --	Unknown	5800. µg/kg
9. --	Unknown siloxane	4300. µg/kg
10. --	Unknown-alkane	5800. µg/kg
11. 629-94-8	Heneicosane	7000. µg/kg
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1. --	Unknown	30. µg/kg
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1.	NO RESULTS, INSUFFICIENT SAMPLE FOR ANALYSIS	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - acetic acid ester	4500. µg/kg
2. 123-42-2	Hydroxymethylpentanone	160,000. µg/kg
3. 4305-26-4	2-hexanone,6-(acetyloxy)	3400. µg/kg
4. --	Unknown	1300. µg/kg
5. --	Unknown organic acid	560. µg/kg
6. 10544-50-0	Sulfur, Mol. (58)	1800. µg/kg
7. --	Unknown ~ C17 alkane	910. µg/kg
8. 630-07-9	Pentatriacontane	1800. µg/kg
9. --	Unknown	820. µg/kg
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
VOLATILES:		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
BASE/NEUTRAL/ACIDS:		
1. --	Unknown - acetic acid ester?	2300. µg/kg
2. 123-42-2	Hydroxymethylpentanone	116,700. µg/kg
3. --	Unknown acid or ketone	2100. µg/kg
4. --	Unknown	1200. µg/kg
5. 2099-116-9	Benzoic acid, pentyl ester	2000. µg/kg
6. 10544-511-0	Sulfur, Mol. (58)	2000. µg/kg
7. 27544-26-3	Diisooctyl phthalate	730. µg/kg
8. 27544-26-3	Diisooctyl phthalate	660. µg/kg
9. 117-84-0	Dioctyl phthalate	550. µg/kg
10. 27544-26-3	Diisooctyl phthalate	1200. µg/kg
11. 27544-26-3	Diisooctyl phthalate	28,000. µg/kg
12. --	Unknown - siloxane	540. µg/kg
13. --	Unknown - siloxane	500. µg/kg
14. --	Unknown - alkane ~ C13	630. µg/kg
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-B

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown - acetic acid ester?	3700. µg/kg
2. 123-42-2	Hydroxymethylpentanone	67,000. µg/kg
3. --	Unknown acid or ketone	3400. µg/kg
4. --	Unknown	1200. µg/kg
5. 10544-50-0	Sulfur, Mol. (58)	850. µg/kg
6. --	Unknown - alkane?	450. µg/kg
7. --	Unknown - siloxane	480. µg/kg
8. --	Unknown - alkane ~ C ₄₀	510. µg/kg
9. --	Unknown - siloxane	610. µg/kg
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Soil: Station K-12-BOFF-SITE LOCATION: 120 Lister Ave.SAMPLE NO: K-12-B-2200-106-S-Y

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown ~ C9 alkane	2000. µg/kg
2. --	Unknown	2200. µg/kg
3. --	Unknown	590. µg/kg
4. --	Unknown - acetic acid ester?	7000. µg/kg
5. 123-42-2	Hydroxymethylpentanone	67,000. µg/kg
6. --	Unknown - carbonyl cpd.	14,000. µg/kg
7. 111-46-6	Ethanol, 2,2 ¹ -oxybis	7200. µg/kg
8. --	Unknown	4200. µg/kg
9. --	Unknown organic acid ~ C16	560. µg/kg
10. --	Unknown (phthalate?)	730. µg/kg
11. 22754-26-3	Diisooctyl phthalate	720. µg/kg
12. 22754-26-3	Diisooctyl phthalate	1500. µg/kg
13. 7299-89-0	Bis(2-ethylbutyl)phthalate	1400. µg/kg
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown acetic acid ester	2700. µg/kg
2. 123-42-2	Hydroxymethylpentanone	128,500. µg/kg
3. --	Unknown	1900. µg/kg
4. --	Unknown	970. µg/kg
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. --	Unknown	1300. µg/kg
2. --	Unknown - acetic acid ester?	7100. µg/kg
3. 123-42-2	Hydroxymethylpentanone	77,000. µg/kg
4. --	Unknown	15,000. µg/kg
5. 5343-96-4	2-butanol,3-methyl-acetate	4000. µg/kg
6. 10544-50-0	Sulfur, Mol. (58)	520. µg/kg
7. --	Unknown - siloxane	480. µg/kg
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

APPENDIX
E

APPENDIX E

APPENDIX E
TABLE OF CONTENTS

	PAGE
FOOTNOTES TO QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS TABLES	E-1
ORGANIC PRIORITY POLLUTANT METHOD DETECTION LIMITS	E-2
ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS: 120 LISTER AVENUE GROUND WATER	E-6
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS AND TENTATIVELY IDENTIFIED COMPOUNDS: 120 LISTER AVENUE GROUND WATER-	E-7
FEBRUARY 13, 1985, SAMPLES	
MARCH 6, 1985, SAMPLES	

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

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

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

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

§: insufficient sample for analysis.

a: identification confirmed by GC/MS

b: results not available at this time

**ORGANIC PRIORITY POLLUTANT
METHOD DETECTION LIMITS**

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

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

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

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

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

120 LISTER AVENUE GROUNDWATER

ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS

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

1 Further dilution 1:5

2 Further dilution 1:2

3 Further dilution 1:100

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

CAS Number	Compound Name	Y2482 MW 101 (F-9-G)	Y2483 MW 102 (D-12-D)	Y2484 MW 103 (K-12-D)
------------	---------------	----------------------------	-----------------------------	-----------------------------

(Concentration units are parts per billion)

1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	ND(.0005)	ND(.004)	ND(.002)
-----------	--	-----------	----------	----------

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2B-QP-M-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-101

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-102

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-103

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D2A-QP-N-1 to 9

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-101

OFF-SITE LOCATION: 120 Lister Ave.

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

CAS #	COMPOUND IDENTIFICATION	ESTIMATED CONCENTRATION ¹
<u>VOLATILES:</u>		
1.	NONE DETECTED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
<u>BASE/NEUTRAL/ACIDS:</u>		
1. 108-88-3	Toluene	100. µg/l
2. 108-90-7	Chlorobenzene	1000. µg/l
3. --	Chlorophenol isomers	2000. µg/l
4. --	Unknown	50. µg/l
5. --	Unknown	200. µg/l
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		

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

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-QUANTITATIVE RESULTS

SAMPLE DESCRIPTION: Groundwater, MW-102

OFF-SITE LOCATION: 120 Lister Ave.

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

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

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

APPENDIX
F

APPENDIX F

APPENDIX F
TABLE OF CONTENTS

	PAGE
120 LISTER AVENUE ARCHIVES, FALL 1984	F-1

F-1

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

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

```

=====
S-B-3-1565-120-S-P      841016
S-B-3-1596-121-S-P    Sargent Soil: Borehole #3      841016
S-B-3-1597-122-S-P    Sargent Soil: Borehole #3      841016
S-B-4-0985-102-S-L    Sargent Soil: Borehole #4      840927
S-B-4-0986-103-S-P    Sargent Soil: Borehole #4      840927
S-B-4-0987-104-S-P    Sargent Soil: Borehole #4      840927
S-B-4-0988-105-S-P    Sargent Soil: Borehole #4      840927
S-B-4-0989-106-S-P    Sargent Soil: Borehole #4      840927
S-B-4-0990-107-S-P    Sargent Soil: Borehole #4      840927
S-B-4-1032-108-S-P    Sargent Soil: Borehole #4      840927
S-B-4-1033-109-S-P    Sargent Soil: Borehole #4      840927
S-B-4-1318-111-S-P    Sargent Soil: Borehole #4      841008
S-B-4-1319-112-S-P    Sargent Soil: Borehole #4      841008
S-B-5-0992-102-S-L    Sargent Soil: Borehole #5      841005
S-B-5-0993-103-S-P    Sargent Soil: Borehole #5      841005
S-B-5-0994-104-S-P    Sargent Soil: Borehole #5      841005
S-B-5-0995-105-S-P    Sargent Soil: Borehole #5      841005
S-B-5-0996-106-S-P    Sargent Soil: Borehole #5      841005
S-B-5-0997-107-S-P    Sargent Soil: Borehole #5      841005
S-B-5-1271-108-S-P    Sargent Soil: Borehole #5      841004
S-B-5-1412-110-S-P    Sargent Soil: Borehole #5      841009
S-B-5-1413-111-S-P    Sargent Soil: Borehole #5      841010
S-B-5-1414-112-S-P    Sargent Soil: Borehole #5      841010
S-B-5-1415-113-S-P    Sargent Soil: Borehole #5      841010
S-B-5-1431-114-S-P    Sargent Soil: Borehole #5      841010
S-B-5-1432-115-S-P    Sargent Soil: Borehole #5      841010
S-B-5-1433-116-S-P    Sargent Soil: Borehole #5      841010
S-B-5-1434-117-S-P    Sargent Soil: Borehole #5      841010
S-B-5-1435-118-S-P    Sargent Soil: Borehole #5      841010
S-B-5-1436-119-S-P    Sargent Soil: Borehole #5      841011
S-B-5-1454-120-S-P    Sargent Soil: Borehole #5      841011
S-B-5-1455-121-S-P    Sargent Soil: Borehole #5      841011
STB1-0872-102-S-L    Sargent Soil: Borehole #1, 12-24"  840926
STB1-0873-103-S-P    Sargent Soil: Borehole #1, 2-4'    840926
STB1-0875-105-S-P    Sargent Soil: Borehole #3, 6-8'    840926
STB2-0880-102-S-L    Sargent Soil: Borehole #2, 1.0-2.0' 840926
STB2-0881-103-S-P    Sargent Soil: Borehole #2, 2-3.5'  840926
STB2-0882-104-S-P    Sargent Soil: Borehole #2, 3.5-5.0' 840926
STB2-0883-105-S-P    Sargent Soil: Borehole #2, 5.0-6.5' 840926
STB2-0884-106-S-P    Sargent Soil: Borehole #2, 6.5-7.5' 840926
=====

```


APPENDIX G

APPENDIX G
TABLE OF CONTENTS

	PAGE
QUALITY ASSURANCE/QUALITY CONTROL RESULTS	G-1

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

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

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y2481	Y2480	Y2603	Y2602
<u>Base/Neutral/Acids (Continued)</u>					
87-68-3	Hexachlorobutadiene	--	ND	ND	ND
77-47-4	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

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

D2B-QP-H-1 to 9

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

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

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

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

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

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

D2A-QP-P-1 to 3

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

CAS Number	Compound Name	C2221 1/23/85	C2223 1/24/85
<u>Volatile Organic Compounds (Concentration Units are in µg/l)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-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

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

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

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

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

D2A-QP-Q-1 to 3

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

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

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

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

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

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

D2A-QP-R-1 to 3

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

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

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

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

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

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

D2A-QP-S-1 to 3

APPENDIX H

APPENDIX H
TABLE OF CONTENTS

	PAGE
WORK PLAN FOR NEWARK, NEW JERSEY OFFSITES	H-1
I. -120 LISTER AVENUE	H-4
II. APPENDIX F	H-13

WORK PLAN FOR NEWARK, NEW JERSEY OFF SITES

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

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

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

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

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

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

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

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

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

I. - 120 LISTER AVENUE

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

The work required consists of the following:

- 1.0 Each vehicle, tanker, or piece of equipment from the unpaved portion of 120 Lister Avenue will be vacuumed to remove the gross dust using a vacuum equipped with a HEPA filter. Following vacuuming, the vehicle, tanker, or piece of equipment will be washed with high-pressure water. Collected dust will be considered contaminated, placed in containers, and stored on site. Spent water will be accumulated, stored, sampled, and discharged following treatment approved by the Department.
- 2.0 Following wash, each vehicle, tanker, or piece of equipment from the unpaved portion of 120 Lister Avenue will be wipe sampled at two points, one each from the top and undercarriage or bottom. The wipe samples from the first two items receiving treatment will be analyzed for dioxin. One sample taken from a point to be selected by the Department from each of the next two items treated will be analyzed for dioxin. If all samples result in acceptable (≤ 10 ng/cm²) residual dioxin levels, the balance of the items will be considered to have been sufficiently decontaminated without further dioxin analysis.
- 2.1 Upon satisfactory completion of the decontamination procedures, the vehicles, tankers, and equipment will be removed from the site. A polyethylene and geotextile "road" will be laid to provide access for the egress of the vehicles.

- 2.2 The box trailer containing drums of materials will be unloaded. The exterior of the drums will be vacuumed, washed, and staged for disposal prior to decontaminating the trailer. Samples of the contents of the drums will be collected and analyzed for the purpose of waste classification and subsequent disposal. This shall include: EP Toxicity, Hazardous Waste Characteristics and PCB screen.
- 2.3 Those trailers which have deteriorated to the point where they are no longer road worthy will be removed following cleaning as scrap metal. This removal operation without post-sampling is subject to the effectiveness of the decontamination procedures with post-sampling as indicated in paragraph 2.0.
- 2.4 All equipment and material located on the paved portion of 120 Lister Avenue will be removed from the property after demonstration that dioxin contamination is ≤ 10 ng/cm². This will be done by selecting twenty (20) pieces of equipment and collecting ten (10) wipe samples. The Department will select the twenty (20) pieces of equipment. Each wipe sample will consist of a composite of two pieces of equipment. If analytical results show unacceptable (>10 ng/cm²) residual dioxin levels, decontamination will be conducted as described in paragraph 1.0 above prior to removal. If analytical results show acceptable (≤ 10 ng/cm²) residual dioxin levels, all equipment is clean for removal.

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

3.1 Buildings

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

3.2 Soil Testing

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

3.3 Ground Water

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

3.4 Underground Pipes

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

3.5 Air Monitoring

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

3.6 Utilities

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

3.7 Geotechnical Investigation

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

4.0 SITE PREPARATION

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

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

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

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

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

5.0 SITE SECURITY

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

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

APPENDIX F

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

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

a. (Change dot two to read)

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

b. (Change dot four to read)

- Ambient air monitoring will be done during remedial activities.

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

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

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

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

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

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

a. (Change dot two to read)

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

b. (insert a dot)

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

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

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

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

N. Cold Stress

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

O. Road Work

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

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

SITE EVALUATION

80 LISTER AVENUE

SUBMITTED TO

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

PREPARED BY

DIAMOND SHAMROCK CHEMICALS COMPANY

IT CORPORATION

WOODWARD-CLYDE CONSULTANTS

ENVIRO-MEASURE, INC.

FEBRUARY 1985

VOLUME III

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
F

APPENDIX F

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

D255A-PRS-15.1 to 15.9

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

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

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

F-29

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

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

F-30

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

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

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

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

F-32

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

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

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

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

CAS Number	Compound Name	Well #6 Station A-3-C	Well #7 Station D-1-F	Well #8 Station F-7-B	River Station 0-7-1
<u>Pesticides and PCBs (Continued)</u>					
50-29-3	4,4'-DDT	690	63	ND	3.5**
72-55-9	4,4'-DDE	54	ND	ND	ND
72-54-8	4,4'-DDD	ND	250	110	1.2**
959-98-8	alpha-Endosulfan	ND	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND

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

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

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

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

D255A-PRS-14.1 to 14.9

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

F-37

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

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

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

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

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

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

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

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

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

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

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

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

F-42

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

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

F-43

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

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

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

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

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

D255D-WW-1-1 to 9

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

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

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

F-47

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

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

F-48

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

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

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

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

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

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

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

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

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

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

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

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

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

D255D-WW-6-1 to 9

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

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

(1) Further diluted 1:10

(2) Further diluted 1:2

(3) Further diluted 1:100

(4) Further diluted 1:500

(5) Further diluted 1:20

(6) Further diluted 1:2,500

(7) Further diluted 1:40

(8) Further diluted 1:1,000

(9) Further diluted 1:200

(10) Further diluted 1:50

(11) Further diluted 1:50,000

(12) Further diluted 1:5

(13) Further diluted 1:10,000

(14) Further diluted 1:30

(15) Further diluted 1:400

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

(17) Further diluted 1:15

(18) Further diluted 1:2,000

APPENDIX
G

APPENDIX G

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

4 of 9
 G-19

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-22

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-23

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

^aAn unidentified component was detected in the retention time window for this herbicide; estimated concentration range 10,000 to 100,000 ppb. (MCPP and MCPA are not detected.)

D255: 0-1-0.1 to 9

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-4-0- 12-24"	Station 0-5-0 0-12"	Station 0-5-0 12-24"	Station 0-6-0 0-12"	Station 0-6-0 12-24"
------------	---------------	-----------------------------	---------------------------	----------------------------	---------------------------	----------------------------

Metals (Continued)

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

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

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

^aAn unidentified component was detected in the retention time window for this herbicide - estimated concentration range 10,000 to 100,000 ppb. (MCPD and MCPA are not detected.)

D255-0-4-0.1 to 9

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

3 of 9
 G-36

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-37

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

Base/Neutral/Acids (Continued)

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

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

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

7 of 9
 G-40

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

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

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

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station	Station	Station	Station	Station
		0-8-0 0-12"	0-8-0 12-24"	0-8-1 0-12"	0-8-1 12-24"	0-8-2 0-12"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.6 ppb	10.4 ppb	ND (0.32 ppb)	1.3 ppb	ND (0.22 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	ND (0.23 ppb)	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	8.6 ppb	-	-	-

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

71-43-2	Benzene	ND	ND	ND	ND	7.*
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	53.	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro-ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro-ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro-ethene	ND	ND	ND	ND	ND

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-51

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

^aAn unidentified component was detected in the retention time window for this herbicide - estimated concentration range 10,000 to 100,000 ppb. (MCPD and MCPA are not detected.)

D255-0-8-0.1 to 9

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 0-8-2 12-24"	Station 0-9-0 0-12"	Station 1-0-0 0-12"	Station 1-1-0 0-12"	Station 1-1-0 12-24"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	ND (0.54 ppb)	10.8 ppb	2.3 ppb	0.87 ppb	65.6 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	ND (0.43 ppb)	-	-	0.67-ppb
3268-87-9	Octachlorodibenzo-p-dioxin	-	4.8 ppb	-	-	5.6 µpb
Volatile Organic Compounds (Concentration Units are in µg/kg)						
71-43-2	Benzene	ND	15*	12*	-	-
56-23-5	Carbon tetrachloride	ND	ND	ND	-	-
108-90-7	Chlorobenzene	ND	120	100	-	-
107-06-2	1,2-Dichloroethane	ND	ND	ND	-	-
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	-	-
75-34-3	1,1-Dichloroethane	ND	ND	ND	-	-
79-00-5	1,1,2-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	-	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

3 of 9

G-54

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-57

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

7 of 9

G-58

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

^aAn unidentified component was detected in the retention time window for this herbicide - estimated concentration range 10,000 to 1000,000 ppb. (MCP and MCPA are not detected.)

D255-PRS1-1 to 9

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

G-61

CAS Number	Compound Name	Station	Station	Station	Station	Station
		1-1-1 0-12"	1-1-1 12-24"	1-1-2 0-12"	1-1-2 12-24"	1-2-0 0-12"
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	ND (0.27 ppb)	1.5 ppb	3.5 ppb	10.3 ppb	1.7 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>						
71-43-2	Benzene	-	-	-	-	-
56-23-5	Carbon tetrachloride	-	-	-	-	-
108-90-7	Chlorobenzene	-	-	-	-	-
107-06-2	1,2-Dichloroethane	-	-	-	-	-
71-55-6	1,1,1-Trichloroethane	-	-	-	-	-
75-34-3	1,1-Dichloroethane	-	-	-	-	-
79-00-5	1,1,2-Trichloro-ethane	-	-	-	-	-
79-34-5	1,1,2,2-Tetrachloro-ethane	-	-	-	-	-
75-00-3	Chloroethane	-	-	-	-	-
542-88-1	Bis(chloromethyl) ether	-	-	-	-	-
110-75-8	2-Chloroethylvinyl ether	-	-	-	-	-
67-66-3	Chloroform	-	-	-	-	-
75-35-4	1,1-Dichloroethene	-	-	-	-	-
156-60-5	trans-1,2-Dichloro-ethene	-	-	-	-	-

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

4 of 9
 G-64

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

Base/Neutral/Acids (Continued)

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

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

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

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

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

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

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

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-1-1 0-12"	Station 1-1-1 12-24"	Station 1-1-2 0-12"	Station 1-1-2 12-24"	Station 1-2-0 0-12"
<u>Metals (Continued)</u>						
	Silver	-	-	-	-	-
	Thallium	-	-	-	-	-
	Zinc	-	-	-	-	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	-	-	-	-	-
	Total Phenols	-	-	-	-	-
D255-PRS2-1 to 0						

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	1.3 ppb	130 ppb	0.97 ppb	0.94 ppb	2.0 ppb
	2,3,7,8-Tetrachloro- dibenzofuran	-	14.9 ppb	-	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	16 ppb	-	-	-

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

71-43-2	Benzene	12*	210	-	14*	-
56-23-5	Carbon tetrachloride	ND	ND	-	ND	-
108-90-7	Chlorobenzene	ND	96	-	250	-
107-06-2	1,2-Dichloroethane	ND	ND	-	ND	-
71-55-6	1,1,1-Trichloroethane	ND	ND	-	ND	-
75-34-3	1,1-Dichloroethane	ND	ND	-	ND	-
79-00-5	1,1,2-Trichloro- ethane	ND	ND	-	ND	-
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	-	ND	-
75-00-3	Chloroethane	ND	ND	-	ND	-
542-88-1	Bis(chloromethyl) ether	ND	ND	-	ND	-
110-75-8	2-Chloroethylvinyl ether	ND	ND	-	ND	-
67-66-3	Chloroform	ND	ND	-	ND	-
75-35-4	1,1-Dichloroethene	ND	ND	-	ND	-
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	ND	-	ND	-
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	-	ND	-
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	-	ND	-
100-41-4	Ethylbenzene	ND	100	-	ND	-
75-09-2	Methylene chloride	100	140	-	130	-
74-87-3	Chloromethane	ND	ND	-	ND	-
74-83-9	Bromomethane	ND	ND	-	ND	-
75-25-2	Bromoform	ND	ND	-	ND	-
75-27-4	Bromodichloromethane	ND	ND	-	ND	-
75-69-4	Trichlorofluoro- methane	ND	ND	-	ND	-
75-71-8	Dichlorodifluoro- methane	ND	ND	-	ND	-
124-48-1	Chlorodibromomethane	ND	ND	-	ND	-
127-18-4	Tetrachloroethene	ND	22*	-	ND	-
108-88-3	Toluene	ND	270	-	ND	-
79-01-6	Trichloroethene	ND	ND	-	ND	-
75-01-4	Vinyl chloride	ND	ND	-	ND	-
67-64-1	Acetone	220*	830	-	250*	-
78-93-3	2-Butanone	ND	310*	-	74*	-
75-15-0	Carbon disulfide	ND	12*	-	ND	-

PASSAIC RIVER SEDIMENTS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

3 of 9

G-72

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	ND	-	ND	-
108-10-1	4-Methyl-2-pentanone	ND	ND	-	ND	-
100-42-5	Styrene	ND	ND	-	ND	-
108-05-4	Vinyl acetate	ND	ND	-	ND	-
95-47-6	Total Xylenes	ND	500	-	400	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</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	360000	-	ND	-
105-67-9	2,4-Dimethylphenol	ND	ND	-	ND	-
88-75-5	2-Nitrophenol	ND	ND	-	ND	-
100-02-7	4-Nitrophenol	ND	ND	-	ND	-
51-28-5	2,4-Dinitrophenol	ND	ND	-	ND	-
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	-	ND	-
87-86-5	Pentachlorophenol	ND	ND	-	ND	-
108-95-2	Phenol	ND	ND	-	ND	-
65-85-0	Benzoic acid	ND	ND	-	ND	-
95-48-7	2-Methylphenol	ND	ND	-	ND	-
108-39-4	4-Methylphenol	ND	ND	-	ND	-
95-95-4	2,4,5-Trichlorophenol	ND	140000	-	ND	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	ND	-	ND	-
92-87-5	Benzidine	ND	ND	-	ND	-
120-82-1	1,2,4-Trichlorobenzene	ND	ND	-	ND	-
118-74-1	Hexachlorobenzene	ND	ND	-	ND	-
67-72-1	Hexachloroethane	ND	ND	-	ND	-
111-44-4	Bis(2-chloroethyl) ether	ND	ND	-	ND	-
91-58-7	2-Chloronaphthalene	ND	ND	-	ND	-
95-50-1	1,2-Dichlorobenzene	ND	ND	-	ND	-
541-73-1	1,3-Dichlorobenzene	ND	ND	-	ND	-
106-46-7	1,4-Dichlorobenzene	ND	ND	-	ND	-
91-94-1	3,3'-Dichlorobenzidine	ND	ND	-	ND	-
121-14-2	2,4-Dinitrotoluene	ND	ND	-	ND	-
606-20-2	2,6-Dinitrotoluene	ND	ND	-	ND	-
122-66-7	1,2-Diphenylhydrazine	ND	ND	-	ND	-
206-44-0	Fluoranthene	610*	ND	-	570*	-
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	-	ND	-
101-55-3	4-Bromophenyl phenyl ether	ND	ND	-	ND	-
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	-	ND	-
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	ND	-	ND	-
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	-	ND	-
78-59-1	Isophorone	ND	ND	-	ND	-
91-20-3	Naphthalene	ND	ND	-	ND	-
98-95-3	Nitrobenzene	ND	ND	-	ND	-
62-75-9	N-nitrosodimethyl- amine	ND	ND	-	ND	-
86-30-6	N-nitrosodiphenylamine	ND	ND	-	ND	-
621-64-7	N-nitrosodipropyla- mine	ND	ND	-	ND	-
117-81-7	Bis(2-ethylhexyl) phthalate	66000	37000*	-	36000	-
85-68-7	Butyl benzyl phthalate	ND	ND	-	ND	-
84-74-2	Di-N-butyl phthalate	ND	ND	-	ND	-
117-84-0	Di-N-octyl phthalate	ND	ND	-	ND	-
84-66-2	Diethyl phthalate	ND	ND	-	ND	-
131-11-3	Dimethyl phthalate	ND	ND	-	ND	-
56-55-3	Benzo(A)anthracene	ND	ND	-	ND	-
50-32-8	Benzo(A)pyrene	ND	ND	-	ND	-
205-99-2	Benzo(B)fluor- anthene	ND	ND	-	ND	-
207-08-9	Benzo(K)fluoranthene	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	ND	ND	-	ND	-
208-96-8	Acenaphthylene	ND	ND	-	ND	-
120-12-7	Anthracene	ND	ND	-	ND	-
191-24-2	Benzo(GHI)perylene	ND	ND	-	ND	-
86-73-7	Fluorene	ND	ND	-	ND	-
85-01-	Phenanthrene	440*	ND	-	ND	-
53-70-3	Dibenzo(A,H) anthracene	ND	ND	-	ND	-
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND	-	ND	-
129-00-0	Pyrene	ND	ND	-	ND	-
62-53-3	Aniline	ND	ND	-	ND	-
100-51-6	Benzyl alcohol	ND	ND	-	ND	-
106-47-8	4-Chloroaniline	ND	ND	-	ND	-
132-64-9	Dibenzofuran	ND	ND	-	ND	-
91-57-6	2-Methylnaphthalene	250*	ND	-	ND	-
88-74-4	2-Nitroaniline	ND	ND	-	ND	-
99-09-2	3-Nitroaniline	ND	ND	-	ND	-
100-01-6	4-Nitroaniline	ND	ND	-	ND	-
<u>Pesticides and PCBs (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>						
309-00-2	Aldrin	ND	ND	-	ND	-
60-57-1	Dieldrin	ND	12000*	-	ND	-
57-74-9	Chlordane	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	430**	ND	-	ND	-
72-55-9	4,4'-DDE	78**	ND	-	42**	-
72-54-8	4,4'-DDD	57**	ND	-	48**	-
959-98-8	alpha-Endosulfan	ND	ND	-	ND	-
33213-65-9	beta-Endosulfan	ND	ND	-	ND	-
1031-07-8	Endosulfan sulfate	ND	ND	-	ND	-
72-20-8	Endrin	ND	ND	-	ND	-
7421-93-4	Endrin aldehyde	ND	ND	-	ND	-
76-44-8	Heptachlor	ND	ND	-	ND	-
1024-57-3	Heptachlor epoxide	ND	ND	-	ND	-
319-84-6	alpha-BHC	ND	ND	-	ND	-
319-85-7	beta-BHC	ND	ND	-	ND	-
58-89-9	gamma-BHC	ND	ND	-	ND	-
319-86-8	delta-BHC	ND	ND	-	ND	-
53469-21-9	PCB-1242	510**	8100**	-	660**	-
11097-69-1	PCB-1254	ND	ND	-	ND	-
11104-28-2	PCB-1221	ND	ND	-	ND	-
11141-16-5	PCB-1232	ND	ND	-	ND	-
12672-29-6	PCB-1248	ND	ND	-	ND	-
11096-82-5	PCB-1260	ND	ND	-	ND	-
12674-11-2	PCB-1016	ND	ND	-	ND	-
8001-35-2	Toxaphene	ND	ND	-	ND	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Chlorinated Herbicides (Concentration Units are in $\mu\text{g}/\text{kg}$)</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 ^a	ND	-	ND	-
120-36-5	Dichloroprop (2,4-DP)	ND	ND	-	ND	-
94-75-7	2,4-D	ND	490000	-	ND	-
93-72-1	2,4,5-TP (Silvex)	ND	ND	-	ND	-
93-76-5	2,4,5-T	ND	820000	-	ND	-
94-82-6	2,4-DB	ND	ND	-	ND	-
88-85-7	Dinoseb (DNBP)	220	ND	-	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	0.9	1.3	-	1.8	-
	Arsenic	22	37	-	18	-
	Beryllium	0.71	0.85	-	0.72	-
	Cadmium	13	16	-	11	-
	Chromium	470	550	-	370	-
	Copper	670	720	-	390	-
	Lead	600	700	-	570	-
	Mercury	10	3.9	-	4.9	-
	Nickel	96	75	-	77	-
	Selenium	<2	<2	-	<2	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-3-0 0-12"	Station 1-3-0 12-24"	Station 1-4-0 0-12"	Station 1-5-0 0-12"	Station 1-6-0 0-12"
<u>Metals (Continued)</u>						
	Silver	8.5	9.4	-	6.1	-
	Thallium	<0.02	<0.02	-	<0.02	-
	Zinc	1400	1500	-	2100	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	1.2	1.6	-	3.8	-
	Total Phenols	0.20	298	-	0.40	-

^aAn unidentified component was detected in the retention time window for this herbicide - estimated concentration range 10,000 to 100,000 ppb. (MCPA is not detected.)

D255-0-3-0.1 to 9

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Station 1-7-0 0-12"
<u>Chlorinated Herbicides (Concentration Units are in µg/kg)</u>		
75-99-0	Dalapon (Dowpon)	-
1918-00-9	Dicamba	-
7085-19-0	MCPP	-
94-74-6	MCPA	-
120-36-5	Dichloroprop (2,4-DP)	-
94-75-7	2,4-D	-
93-72-1	2,4,5-TP (Silvex)	-
93-76-5	2,4,5-T	-
94-82-6	2,4-DB	-
88-85-7	Dinoseb (DNBP)	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>		
	Antimony	-
	Arsenic	-
	Beryllium	-
	Cadmium	-
	Chromium	-
	Copper	-
	Lead	-
	Mercury	-
	Nickel	-
	Selenium	-

PASSAIC RIVER SEDIMENTS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

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

D255A-PRS10-1 to 9

APPENDIX
H

APPENDIX H

APPENDIX H
TABLE OF CONTENTS

	<u>PAGE</u>
SHERWIN-WILLIAMS BACKGROUND SOIL BOREHOLE SEMI-QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS	H-1
SHERWIN-WILLIAMS BACKGROUND SOIL BOREHOLE QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS	H-4
OTHER NEWARK BACKGROUND SOIL BOREHOLE SEMI-QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS	H-13
OTHER NEWARK BACKGROUND SOIL BOREHOLE QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS	H-16
BACKGROUND SOIL ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS	H-25

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	1.2 ppb	5.1 ppb	3.4 ppb	ND (0.57 ppb)	ND (0.76 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	19.9 ppb	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	15.7 ppb	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>						
71-43-2	Benzene	ND	-	ND	ND	-
56-23-5	Carbon tetrachloride	ND	-	ND	ND	-
108-90-7	Chlorobenzene	ND	-	ND	150	-
107-06-2	1,2-Dichloroethane	ND	-	ND	ND	-
71-55-6	1,1,1-Trichloroethane	ND	-	ND	ND	-
75-34-3	1,1-Dichloroethane	ND	-	ND	ND	-
79-00-5	1,1,2-Trichloroethane	ND	-	ND	ND	-
79-34-5	1,1,2,2-Tetrachloroethane	ND	-	ND	ND	-
75-00-3	Chloroethane	ND	-	ND	ND	-
542-88-1	Bis(chloromethyl) ether	ND	-	ND	ND	-
110-75-8	2-Chloroethylvinyl ether	ND	-	ND	ND	-
67-66-3	Chloroform	ND	-	ND	ND	-
75-35-4	1,1-Dichloroethene	ND	-	ND	ND	-
156-60-5	trans-1,2-Dichloroethene	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

H-5

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Volatiles (Continued)</u>						
78-87-5	1,2-Dichloropropane	ND	-	ND	ND	-
10061-02-6	trans-1,3-Dichloro- propene	ND	-	ND	ND	-
10061-01-5	cis-1,3-Dichloro- propene	ND	-	ND	ND	-
100-41-4	Ethylbenzene	ND	-	ND	ND	-
75-09-2	Methylene chloride	110	-	87	87	-
74-87-3	Chloromethane	ND	-	ND	ND	-
74-83-9	Bromomethane	ND	-	ND	ND	-
75-25-2	Bromoform	ND	-	ND	ND	-
75-27-4	Bromodichloromethane	ND	-	ND	ND	-
75-69-4	Trichlorofluoro- methane	ND	-	ND	ND	-
75-71-8	Dichlorodifluoro- methane	ND	-	ND	ND	-
124-48-1	Chlorodibromomethane	ND	-	ND	ND	-
127-18-4	Tetrachloroethene	ND	-	ND	ND	-
108-88-3	Toluene	ND	-	ND	ND	-
79-01-6	Trichloroethene	ND	-	ND	ND	-
75-01-4	Vinyl chloride	ND	-	ND	ND	-
67-64-1	Acetone	ND	-	ND	86*	-
78-93-3	2-Butanone	ND	-	ND	ND	-
75-15-0	Carbon disulfide	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Volatiles (Continued)</u>						
519-78-6	2-Hexanone	ND	-	ND	ND	-
108-10-1	4-Methyl-2-pentanone	ND	-	ND	ND	-
100-42-5	Styrene	ND	-	ND	ND	-
108-05-4	Vinyl acetate	ND	-	ND	ND	-
95-47-6	Total Xylenes	ND	-	ND	ND	-
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>						
88-06-2	2,4,6-Trichlorophenol	ND	-	ND	ND	-
59-50-7	4-Chloro-3-methyl-phenol	ND	-	ND	ND	-
95-57-8	2-Chlorophenol	ND	-	ND	ND	-
120-33-2	2,4-Dichlorophenol	ND	-	ND	ND	-
105-67-9	2,4-Dimethylphenol	ND	-	ND	ND	-
88-75-5	2-Nitrophenol	ND	-	ND	ND	-
100-02-7	4-Nitrophenol	ND	-	ND	ND	-
51-28-5	2,4-Dinitrophenol	ND	-	ND	ND	-
534-52-1	4,6-Dinitro-2-methylphenol	ND	-	ND	ND	-
87-86-5	Pentachlorophenol	ND	-	ND	ND	-
108-95-2	Phenol	ND	-	ND	ND	-
65-85-0	Benzoic acid	ND	-	ND	ND	-
95-48-7	2-Methylphenol	ND	-	ND	ND	-
108-39-4	4-Methylphenol	ND	-	ND	ND	-
95-95-4	2,4,5-Trichlorophenol	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

H-7

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Base/Neutral/Acids (Continued)</u>						
83-32-9	Acenaphthene	ND	-	1600*	ND	-
92-87-5	Benzidine	ND	-	ND	ND	-
120-82-1	1,2,4-Trichlorobenzene	ND	-	ND	690*	-
118-74-1	Hexachlorobenzene	ND	-	1600*	ND	-
67-72-1	Hexachloroethane	ND	-	ND	ND	-
111-44-4	Bis(2-chloroethyl) ether	ND	-	ND	ND	-
91-58-7	2-Chloronaphthalene	ND	-	ND	ND	-
95-50-1	1,2-Dichlorobenzene	380*	-	1200*	4400	-
541-73-1	1,3-Dichlorobenzene	ND	-	ND	ND	-
106-46-7	1,4-Dichlorobenzene	420*	-	1800*	9100	-
91-94-1	3,3'-Dichlorobenzidine	ND	-	ND	ND	-
121-14-2	2,4-Dinitrotoluene	ND	-	ND	ND	-
606-20-2	2,6-Dinitrotoluene	ND	-	ND	ND	-
122-66-7	1,2-Diphenylhydrazine	ND	-	ND	ND	-
206-44-0	Fluoranthene	3000	-	26000	ND	-
7005-72-3	4-Chlorophenyl phenyl ether	ND	-	ND	ND	-
101-55-3	4-Bromophenyl phenyl ether	ND	-	ND	ND	-
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	-	ND	ND	-
111-91-1	Bis(2-chloroethoxy) methane	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Base/Neutral/Acids (Continued)</u>						
87-68-3	Hexachlorobutadiene	ND	-	ND	ND	-
77-47-4	Hexachlorocyclo- pentadiene	ND	-	ND	ND	-
78-59-1	Isophorone	ND	-	ND	ND	-
91-20-3	Naphthalene	ND	-	1100*	ND	-
98-95-3	Nitrobenzene	ND	-	ND	ND	-
62-75-9	N-nitrosodimethyl- amine	ND	-	ND	ND	-
86-30-6	N-nitrosodiphenylamine	ND	-	ND	ND	-
621-64-7	N-nitrosodipropyla- mine	ND	-	ND	ND	-
117-81-7	Bis(2-ethylhexyl) phthalate	1400*	-	ND	ND	-
85-68-7	Butyl benzyl phthalate	ND	-	ND	ND	-
84-74-2	Di-N-butyl phthalate	ND	-	ND	ND	-
117-84-0	Di-N-octyl phthalate	ND	-	ND	ND	-
84-66-2	Diethyl phthalate	ND	-	ND	ND	-
131-11-3	Dimethyl phthalate	ND	-	ND	ND	-
56-55-3	Benzo(A)anthracene	1800*	-	15000	ND	-
50-32-8	Benzo(A)pyrene	ND	-	18000	ND	-
205-99-2	Benzo(B)fluor- anthene	ND	-	29000	ND	-
207-08-9	Benzo(K)fluoranthene	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Base/Neutral/Acids (Continued)</u>						
218-01-9	Chrysene	3700	-	27000	ND	-
208-96-8	Acenaphthylene	ND	-	290*	ND	-
120-12-7	Anthracene	330*	-	4300	ND	-
191-24-2	Benzo(GHI)perylene	ND	-	9300	ND	-
86-73-7	Fluorene	ND	-	2200	ND	-
85-01-	Phenanthrene	2200	-	21000	ND	-
53-70-3	Dibenzo(A,H) anthracene	ND	-	ND	ND	-
193-39-5	Indeno(1,2,3-CD)pyrene	ND	-	6300	ND	-
129-00-0	Pyrene	5300	-	28000	ND	-
62-53-3	Aniline	ND	-	ND	ND	-
100-51-6	Benzyl alcohol	ND	-	ND	ND	-
106-47-8	4-Chloroaniline	ND	-	ND	ND	-
132-64-9	Dibenzofuran	ND	-	1200*	ND	-
91-57-6	2-Methylnaphthalene	ND	-	620*	ND	-
88-74-4	2-Nitroaniline	ND	-	ND	ND	-
99-09-2	3-Nitroaniline	ND	-	ND	ND	-
100-01-6	4-Nitroaniline	ND	-	ND	ND	-
<u>Pesticides and PCBs (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>						
309-00-2	Aldrin	ND	-	ND	ND	-
60-57-1	Dieldrin	ND	-	ND	ND	-
57-74-9	Chlordane	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Pesticides and PCBs (Continued)</u>						
50-29-3	4,4'-DDT	ND	-	ND	ND	-
72-55-9	4,4'-DDE	ND	-	ND	ND	-
72-54-8	4,4'-DDD	ND	-	ND	ND	-
959-98-8	alpha-Endosulfan	ND	-	ND	ND	-
33213-65-9	beta-Endosulfan	ND	-	ND	ND	-
1031-07-8	Endosulfan sulfate	ND	-	ND	ND	-
72-20-8	Endrin	ND	-	ND	ND	-
7421-93-4	Endrin aldehyde	ND	-	ND	ND	-
76-44-8	Heptachlor	ND	-	ND	ND	-
1024-57-3	Heptachlor epoxide	ND	-	ND	ND	-
319-84-6	alpha-BHC	ND	-	ND	ND	-
319-85-7	beta-BHC	ND	-	ND	ND	-
58-89-9	gamma-BHC	ND	-	ND	ND	-
319-86-8	delta-BHC	ND	-	ND	ND	-
53469-21-9	PCB-1242	ND	-	ND	ND	-
11097-69-1	PCB-1254	ND	-	ND	ND	-
11104-28-2	PCB-1221	ND	-	ND	ND	-
11141-16-5	PCB-1232	ND	-	ND	ND	-
12672-29-6	PCB-1248	ND	-	ND	ND	-
11096-82-5	PCB-1260	ND	-	ND	ND	-
12674-11-2	PCB-1016	ND	-	ND	ND	-
8001-35-2	Toxaphene	ND	-	ND	ND	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Chlorinated Herbicides (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>						
75-99-0	Dalapon (Dowpon)	740**	-	1400**	ND	-
1918-00-9	Dicamba	ND	-	ND	ND	-
7085-19-0	MCPP	ND	-	ND	ND	-
94-74-6	MCPA	ND	-	ND	ND	-
120-36-5	Dichloroprop (2,4-DP)	ND	-	ND	ND	-
94-75-7	2,4-D	220**	-	250**	ND	-
93-72-1	2,4,5-TP (Silvex)	ND	-	ND	ND	-
93-76-5	2,4,5-T	ND	-	ND	ND	-
94-82-6	2,4-DB	ND	-	ND	ND	-
88-85-7	Dinoseb (DNBP)	ND	-	ND	ND	-
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>						
	Antimony	2.9	-	5.9	1.6	-
	Arsenic	9.2	-	14	8.0	-
	Beryllium	0.4	-	0.8	0.6	-
	Cadmium	1.4	-	1.8	1.5	-
	Chromium	17	-	30	9.5	-
	Copper	170	-	180	71	-
	Lead	14	-	44	3.1	-
	Mercury	1.1	-	11	0.5	-
	Nickel	45	-	16	10	-
	Selenium	<3	-	<0.3	<0.6	-

BACKGROUND SOIL BOREHOLE: SHERWIN-WILLIAMS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	0-6"	6-12"	12-24"	11-12.5'	Silt 15-17'
<u>Metals (Continued)</u>						
	Silver	0.47	-	0.28	0.23	-
	Thallium	<2	-	<2	<2	-
	Zinc	390	-	970	300	-
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>						
	Total Cyanide	4.5	-	34	0.90	-
	Total Phenols	<1.0	-	1.93	2.2	-
<hr/> D255D-SW-1 to 9						

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

H-16

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	ND (0.17 ppb)	ND (0.27 ppb)	ND (0.77 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>				
71-43-2	Benzene	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND
79-00-5	1,1,2-Trichloro-ethane	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro-ethane	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND
156-60-5	trans-1,2-Dichloro-ethene	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

H-17

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Volatiles (Continued)</u>				
78-87-5	1,2-Dichloropropane	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND
75-09-2	Methylene chloride	48*	66	32*
74-87-3	Chloromethane	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND
108-88-3	Toluene	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND
67-64-1	Acetone	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Volatiles (Continued)</u>				
519-78-6	2-Hexanone	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND
100-42-5	Styrene	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/kg)</u>				
88-06-2	2,4,6-Trichlorophenol	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND
108-95-2	Phenol	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	ND
95-48-7	2-Methylphenol	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Base/Neutral/Acids (Continued)</u>				
83-32-9	Acenaphthene	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND
118-74-1	Hexachlorobenzene	110000	ND	620000
67-72-1	Hexachloroethane	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND
206-44-0	Fluoranthene	3500	2600	2800*
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Base/Neutral/Acids (Continued)</u>				
87-68-3	Hexachlorobutadiene	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND
91-20-3	Naphthalene	ND	ND	480*
98-95-3	Nitrobenzene	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	670*	1700*	1700*
85-68-7	Butyl benzyl phthalate	840	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	200*
117-84-0	Di-N-octyl phthalate	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND
56-55-3	Benzo(A)anthracene	1900*	1500*	1900*
50-32-8	Benzo(A)pyrene	1200*	1400*	1500*
205-99-2	Benzo(B)fluor- anthene	2700*	2200	2700
207-08-9	Benzo(K)fluoranthene	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Base/Neutral/Acids (Continued)</u>				
218-01-9	Chrysene	3500	3200	3700
208-96-8	Acenaphthylene	300*	250*	610*
120-12-7	Anthracene	600*	ND	580*
191-24-2	Benzo(GHI)perylene	2300	1500*	2000
86-73-7	Fluorene	ND	ND	ND
85-01-	Phenanthrene	2800	1600*	1300*
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	1200*	1100*	1700*
129-00-0	Pyrene	1700*	1600*	1400*
62-53-3	Aniline	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND
<u>Pesticides and PCBs (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>				
309-00-2	Aldrin	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Pesticides and PCBs (Continued)</u>				
50-29-3	4,4'-DDT	ND	200**	ND
72-55-9	4,4'-DDE	ND	32**	77**
72-54-8	4,4'-DDD	ND	ND	ND
959-98-8	alpha-Endosulfan	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND
72-20-8	Endrin	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND
11096-82-5	PCB-1260	1200**	ND	1700**
12674-11-2	PCB-1016	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Chlorinated Herbicides (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>				
75-99-0	Dalapon (Dowpon)	ND	ND	ND
1918-00-9	NDcamba	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND
94-74-6	MCPA	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND
94-75-7	2,4-D	ND	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND	ND
93-76-5	2,4,5-T	ND	ND	ND
94-82-6	2,4-DB	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>				
	Antimony	2.2	5.0	9.1
	Arsenic	4.6	10	9.0
	Beryllium	0.50	0.47	<0.2
	Cadmium	2.0	2.1	2.8
	Chromium	98	51	61
	Copper	311	156	127
	Lead	595	1700	1000
	Mercury	0.6	2	2.0
	Nickel	74	36	35
	Selenium	<0.3	<0.2	<0.3

BACKGROUND NEWARK SURFACE SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	H0681 Harrison Ave.	H0682 Raymond Blvd.	H0683 Roanoke Ave.
<u>Metals (Continued)</u>				
	Silver	0.45	0.71	1.4
	Thallium	<2	<2	<2
	Zinc	828	488	428
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>				
	Total Cyanide	0.78	1.08	2.9
	Total Phenols	<1	1	117

D255C-PRS-25.1 to 25.9

BACKGROUND SOIL

ORGANIC PRIORITY POLLUTANT ANALYSIS LEVELS

<u>Station or Location</u>	<u>Depth</u>	<u>VOA</u>	<u>B/N/A</u>	<u>Pesticide</u>	<u>Herbicide</u>
Harrison Ave.	Surface	Low	Low	Low	Low ¹
Raymond Blvc.	Surface	Low	Low	Low	Low ¹
Roanoke Ave.	Surface	Low	Low	Low	Low ¹
Sherwin-Williams	0-0.5'	Low	Low	Low ²	Low
Sherwin-Williams	1-2'	Low	Low	Low ³	Low
Sherwin-Williams	11-12.5'	Low	Low	Low ²	Low

- 1 further diluted 1:5
 2 further diluted 1:10
 3 further diluted 1:20

APPENDIX I

APPENDIX I
TABLE OF CONTENTS

	<u>PAGE</u>
LIST OF DRUM SAMPLES BY DRUM NUMBER	I-1
LIST OF DRUM SAMPLES BY DRUM GROUP	I-14
WASTE CHARACTERIZATION SUMMARY, DRUM SAMPLING PROGRAM	I-27

"LISTED BY DRUM NUMBER"

S O R T 1	S I T E C O D E	S A M P L E S
0001	PP	Drum #1, PP, Solids crystals (purple)
0002	PP	Drum #2, PP, Crystals & Powder (purple)
0003	None	Drum #3, No markings, crystals & powder solids purple
0004	CQ ?	Drum #4, CQ ?, solid gray & white sludge
0005	CQ	Drum #5, CQ, White powder (solids)
0006	CQ	Drum #6, CQ, White crystalized powder
0007	CQ	Drum #7, CQ, White crystalized powder
0008	CQ	Drum #8, CQ, Crystalized white powder
0009	CQ	Drum #9, CQ, crystalized white powder
0010	CQ	Drum #10, crystalized white powder
0011	CQ	Drum #11, CQ, crystalized white powder
0012	CY	Drum #12, CY, white crystals
0013	CY	Drum #13, CY, white crystals
0014	CY	Drum #14, CY yellow & white crystals
0015	CY	Drum #15, CY, yellow & white crystals
0016	CQ Pt	Drum #16, CQ Part, gray & white crystals
0017	CY	Drum #17, CY, yellow liquid
0018		Drum #18, CY, white & yellow crystals
0018	CY	Drum #18, CY white & yellow crystals
0019	CY	Drum #19, CY, solids on top
0020	CY	Drum #20, CY, solids, yellow crystals
0021	CQ	Drum #21, CQ, yellow crystal powders
0021		Drum #21, CQ, yellow crystal powders
0022	CQ	Drum #22, CQ, white crystalized powder
0023	OB	Drum #23, OB, Brown crystalized solids
0024	CY	Drum #24, CY, brown & yellow crystals
0025	CY	Drum #25, CY, brown & yellow crystals
0026	CY	Drum #26, CY, brown & yellow crystal
0027	CY	Drum #27, CY, yellow & white crystals
0028	CY	Drum #28, CY, yellow & white crystals
0029	CY	Drum #29, CY, white & yellow crystal w/liquid(yellow)
0030	ZA	Drum #30, ZA, liquid (black)
0031	YO	Drum #31, YO, yellow liquid
0032	400	Drum #32, 400, yellow liquid
0033	400pt	Drum #33, 400 part, black & gold liquid
0034	400	Drum #34, 400, gold liquid
0035	23AA	Drum #35, 23AA, white cloudy liquid
0036	LL	Drum #36, LL, brown clay solids
0037	23AA	Drum #37, 23AA, brown sludge
0038	23AA	Drum #38, 23AA, clear yellow liquid
0039	23AA	Drum #39, 23AA, milky white liquid
0040		Drum #40, 23AA, milky liquid
0040	23AA	Drum #40, 23AA, milky liquid
0041	CZ	Drum #41, CZ, black liquid
0042	400	Drum #42, 400, clear gold liquid
0043	400	Drum #43, 400, gold clear liquid

S	S	S
O	I	A
R	T	M
T	E	.
	C	D
1	O	E
	D	S
	E	C
0044		Drum #44
0045		Drum #45
0046	400	Drum #46, 400, clear gold liquid
0047	400	Drum #47, 400, clear gold liquid
0048	400	Drum #48, 400, clear gold liquid
0049	400	Drum #49, 400, clear gold liquid
0050	400	Drum #50, 400, clear gold liquid
0051	400	Drum #51, 400, clear gold liquid
0052	400	Drum #52, 400, clear gold liquid
0053	400	Drum #53, 400, clear gold liquid
0054	400	Drum #54, 400, clear gold liquid
0055	400	Drum #55, 400 clear gold liquid
0056	400	Drum #56, 400, clear gold liquid
0057	400	Drum #57, 400, clear gold liquid with residue in bott
0058	400	Drum #58, 400, clear gold liquid
0059	400	Drum #59, 400, clear gold liquid
0060	400	Drum #60, 400, clear gold liquid
0061	400	Drum #61, 400, clear gold liquid
0062	400	Drum #62, 400, clear gold liquid
0063	400	Drum #63, 400, clear gold liquid
0064	400	Drum #64, 400, clear gold liquid
0065	400	Drum #65, 400, clear gold liquid
0065		Drum #65, 400, clear gold liquid
0066	400	Drum #66, 400, clear gold liquid
0067	400	Drum #67, 400, clear gold liquid
0068	400	Drum #68, 400, clear gold liquid
0069	400	Drum #69, 400, clear gold liquid
0070	400	Drum #70, 400, clear gold liquid
0071	400	Drum #71, 400, clear gold liquid
0072	A-1	Drum #72, A-1, sandy colored solid
0073	A-1	Drum #73, A-1, brown grain solids
0074	51T	Drum #74, 51T, white & pink thick liquid
0075	15T	Drum #75, 15T, pink thick liquid
0075		Drum #75, 15T, pink thick liquid
0076	15T	Drum #76, 15T, pink thick liquid
0077	15T	Drum #77, 15T, pink & white thick liquid
0078	15T	Drum #78, 15T, pink thick liquid
0079	15T	Drum #79, 15T, pink thick liquid
0080	LL	Drum #80, LL, clear liquid-white solids
0081	400	Drum #81, 400, clear gold liquid
0082	400	Drum #82, 400, clear gold liquid
0083	400	Drum #83, 400, clear gold liquid
0084	400	Drum #84, 400, clear gold liquid
0085	LL	Drum #85, LL, white crystal solids
0086	AI	Drum #86, AI, brown grain sand (solids)
0087	15T	Drum #87, 15T, pink & red thick liquid

S	S	S
O	I	A
R	T	M
T	E	.
	C	D
1	O	E
	D	S
	E	C

```

=====
0088      15T Drum #88, 15T, pink & red thick liquid
0089      15T Drum #89, 15T, pink & red thick liquid
0090      15T Drum #90, 15T, pink & red thick liquid
0091      BB15T Drum #91, BB15T, full (liquid)red & pink liquid
0092      Drum #92
0093      Drum #93
0094      CYH20 Drum #94, CY H20, white crystals (solids)
0095      ZX Drum #95, ZX, dirt & debris
0096      ZT Drum #96, ZT, dirt & debris
0097      PP Drum #97, PP, red clay (solids)
0098      ZY Drum #98, ZY, dirt & debris
0099      ZT Drum #99, ZT, white powder & dirt
0100      ZT Drum #100, ZT, brown grain sand
0101      PP Drum #101, PP, brown & red sand crystals
0102      ZVcha Drum #102, ZV Char, thick carmel solid & liquid
0103      ZVcha Drum #103, ZV Char, brown solid (dirt)
0104      PP Drum #104, PP, red sand & white crystals
0105      PP Drum #105, PP, red sand & white crystals
0106      Pit Drum #106, Pit, dark brown liquid
0107      CZ Drum #107, CZ, dark clear liquid
0108      None Drum #108, No markings, clay absorbant (gray)
0109      CZ Drum #109, CZ, brown liquid
0110      CX Drum #110, CX, clear liquid (solvent)
0111      CZ Drum #111, CZ, dark brown liquid
0112      CZ Drum #112, CZ, dark brown liquid
0113      CZ Drum #113, CZ, dark brown liquid
0114      CZ Drum #114, CZ, dark brown liquid
0115      ZA Drum #115, ZA, black liquid
0116      AT Drum #116, AT, dark brown liquid
0117      ZA Drum #117, ZA, dark brown (liquid)
0118      CZ Drum #118, CZ, dark brown (liquid)
0119      CZ Drum #119, CZ, dark brown liquid
0119      Drum #119, CZ, dark brown liquid
0120      Konku Drum #120, Super Konkure Harris Chemical, golden liqu
0121      None Drum #121, No markings, dark liquid & solids
0122      CZ Drum #122, CZ, dark brown liquid
0123      CZ Drum #123, CZ, dark brown liquid
0124      CZH2O Drum #124, CZ & H2O, dark brown liquid
0125      Para Drum #125, Liquido Paepot Para Ptopor, black liquid
0126      PP Drum #126, PP, red sand & dirt solids
0127      BB Drum #127, BB, cloudy white liquid
0128      21Y Drum #128, 21Y, black thick liquid
0129      21Y Drum #129, 21Y, white paste
0130      21Y Drum #130, 21Y, white paste (solids)
0131      21Y Drum #131, 21Y, white paste
0132      21Y Drum #132, 21Y, white paste (solids)

```

S	S	S		
O	I	A		
R	T	M		
T	E	.		
	C	D		
1	O	E		
			D	S
	E	C		
0133	21Y	Drum #133,	21Y,	white paste
0134	21Y	Drum #134,	21Y,	white paste
0135	21Y	Drum #135,	21Y,	white paste
0136	21Y	Drum #136,	21Y,	white paste
0137	21Y	Drum #137,	21Y,	white paste
0138	CX	Drum #138,	CX,	dark liquid
0139	BB	Drum #139,	BB,	white cloudy liquid (thick)
0140	21Y	Drum #140,	21Y,	thick white paste
0141	21Y	Drum #141,	21Y,	thick white paste
0142	21Y	Drum #142,	21Y,	thick white paste
0143	21Y	Drum #143,	21Y,	thick white paste
0144	21Y	Drum #144,	21Y,	thick white paste
0145	21Y	Drum #145,	21Y,	thick white paste
0146	21Y	Drum #146,	21Y,	thick white paste
0147	21Y	Drum #147,	21Y,	thick white paste
0148	21Y	Drum #148,	21Y,	thick white paste
0149	21Y	Drum #149,	21Y,	thick white paste
0150	CX	Drum #150,	CX,	pink liquid
0151	21Y	Drum #151,	21Y,	thick white paste
0152	21Y	Drum #152,	21Y,	thick white paste
0153	21Y	Drum #153,	21Y,	thick white paste
0154	21Y	Drum #154,	21Y,	thick white paste
0155	21Y	Drum #155,	21Y,	very thick white paste
0156	21Y	Drum #156,	21Y,	thick white paste
0157	21Y	Drum #157,	21Y,	thick white paste
0158	21Y	Drum #158,	21Y,	thick white paste
0159	21Y	Drum #159,	21Y,	thick white paste
0160	21Y	Drum #160,	21Y,	thick white paste
0161	21Y	Drum #161,	21Y,	thick white paste
0162		Drum #162,	CX,	golden liquid
0162	CX	Drum #162,	CX,	golden liquid
0163	21Y	Drum #163,	21Y,	thick white paste
0164	22Y	Drum #164,	21Y,	thick white paste
0165	21Y	Drum #165,	21Y,	thick white paste
0166	21Y	Drum #166,	21Y,	thick white paste
0167	21Y	Drum #167,	21Y,	thick white paste
0168	21Y	Drum #168,	21Y,	thick white paste
0169	21Y	Drum #169,	21Y,	thick white paste
0170	21Y	Drum #170,	21Y,	thick white paste
0171	21Y	Drum #171,	21Y,	thick white paste
0172	21Y	Drum #172,	21Y,	thick white paste
0173	CZ	Drum #173,	CZ,	black liquid
0174		Drum #174,	21Y,	thick white paste
0174	21Y	Drum #174,	21Y,	thick white paste
0175	21Y	Drum #175,	21Y,	thick white paste
0176	21Y	Drum #176,	21Y,	thick white paste

S	S	S
O	I	A
R	T	M
T	E	.
	C	D
1	O	E
	D	S
	E	C

```

=====
0176                               Drum #176, 21Y, thick white paste
0177      21Y Drum #177, 21Y, thick white paste
0178      21Y Drum #178, 21Y, thick white paste
0179      21Y Drum #179, 21Y, thick white paste
0180      21Y Drum #180, 21Y, thick white paste
0181      21Y Drum #181, 21Y, thick white paste
0182      21Y Drum #182, 21Y, very thick white paste
0183      QQ  Drum #183, QQ, pink & red liquid
0183      QQ  Drum #183, QQ, pink & red liquid
0184      QQ  Drum #184, QQ, red & pink liquid
0185      QQ  Drum #185, QQ, red & pink liquid
0186      QQ  Drum #186, QQ, red & pink liquid
0187      21Y Drum #187, 21Y, thick white paste
0188      21Y Drum #188, 21Y, thick white paste
0189      21Y Drum #189, 21Y, thick white paste
0190      21Y Drum #190, 21Y, thick white paste
0191      QQ  Drum #191, QQ, red & pink liquid
0192      QQ  Drum #192, QQ, red & pink liquid
0193      21Y Drum #193, 21Y, thick white paste
0194      QQ  Drum #194, QQ, red & pink liquid
0195      QQ  Drum #195, QQ, pink & red liquid
0196      QQ  Drum #196, QQ, pink thick liquid
0197      BB  Drum #197, BB, clear liquid with white solids
0198      QQ  Drum #198, QQ, red liquid
0199      QQ  Drum #199, QQ, red & pink liquid
0200      QQ  Drum #200, QQ, red & pink liquid
0201      21Y Drum #201, 21Y, thick white paste
0202      21Y Drum #202, 21Y, thick white paste
0203      21Y Drum #203, 21Y, thick white paste
0204      21Y Drum #204, 21Y, thick white paste
0205      21Y Drum #205, 21Y, thick white paste
0206      BB  Drum #206, BB, clear liquid
0207      BB  Drum #207, BB, clear liquid & white solids
0208      QQ  Drum #208, QQ, red & pink liquid
0209      QQ  Drum #209, QQ, pink & red liquid
0210      21Y Drum #210, 21Y, thick white paste
0211      21Y Drum #211, 21Y, thick white paste
0212      21Y Drum #212, 21Y, thick white paste
0213      21Y Drum #213, 21Y, thick white paste
0214      21Y Drum #214, 21Y, thick white paste
0215      BB  Drum #215, BB, clear liquid & white solids
0216      BB  Drum #216, BB, clear liquid & white solids
0217      21Y Drum #217, 21Y, thick white paste
0218      BB  Drum #218, BB, clear liquid & white solids
0219      BB  Drum #219, BB, clear liquid & white solids
0220      BB  Drum #220, BB, clear liquid & white solids

```

S
O
R
T

1

S
I
T
E
O
D
E

S
A
M
P
L
E
S
C

```

=====
0221      BB      Drum #221, BB, clear liquid & white solids
0222      BB      Drum #222, BB, clear liquid & white solids
0223      BB      Drum #223, BB, clear liquid & white solids
0224      BB      Drum #224, BB, clear liquid & white solids
0225      21Y     Drum #225, 21Y, thick white paste
0226      BB      Drum #226, BB, clear liquid & white solids
0227      BB      Drum #227, BB, clear liquid & white solids
0228      BB      Drum #228, BB, clear liquid & white solids
0229      BB      Drum #229, BB, clear liquid & white solids
0230      BB      Drum #230, BB, clear liquid & white solids
0230      BB      Drum #230, BB, clear liquid & white solids
0231      BB      Drum #231, BB, clear liquid & white solids
0232      BB      Drum #232, BB, clear liquid & white solids
0233      BB      Drum #233, BB, white solids
0234      BR      Drum #234, BB, white solids
0235      BB      Drum #235, BB, white solids
0236      BB      Drum #236, BB, white solids
0237      BB      Drum #237, BB, white solids
0238      BB      Drum #238, BR, white solids
0239      BB      Drum #239, BB, white solids
0240      BB      Drum #240, BB, white solids with crystals
0241      BB      Drum #241, BB, white solids
0242      PP      Drum #242, PP, brown crystalized solids
0243      X       Drum #243, X, black powder
0244      X       Drum #244, X, dirt & trash solids
0245      CX"S"   Drum #245, CX "S", clear crystal
0246      CX"S"   Drum #246, CX "S", black & red solids
0247      CX"S"   Drum #247, CX "S", no description
0248      CX"S"   Drum #248, CX "S", clear crystals solids
0249      ZB      Drum #249, ZB, gray pellets & dirt
0250      ZBSS    Drum #250, ZB sump sludge, brown sludge & liquid
0251      ZB      Drum #251, ZB, brown sludge & water
0251      ZB      Drum #251, ZB, brown sludge & water
0252      ZB      Drum #252, ZB, brown dirt sludge
0253      ZB      Drum #253, ZB, brown (solid)
0254      ZB      Drum #254, ZB, dry solids (brown)
0255      ZT      Drum #255, ZT, black liquid (oil)
0256      ZB      Drum #256, ZB, brown dirt
0257      ZB      Drum #257, ZB, water & trash
0258      ZB      Drum #258, ZB, trash (solids)
0259      ZBSS    Drum #259, ZB sump sludge, brown solids
0260      ZB      Drum #260, ZB, water & solids (brown)
0261      ZB      Drum #261, ZB, brown dirt solids
0262      ZB      Drum #262, ZB, brown solids (sand)
0263      ZZ      Drum #263, ZZ, clear liquid
0264      ZB      Drum #264, ZB, brown sand solids

```

S	S	S
O	I	A
R	T	M
T	F	.
	C	D
1	O	E
	D	S
	E	C

```

=====
0265      ZB      Drum #265, ZB, brown sand solids
0266      ZB      Drum #266, ZB, brown liquid
0267      ZB      Drum #267, ZB, brown solids (sand)
0268      ZB      Drum #268, ZB, brown sludge & water
0269      ZB      Drum #269, ZB, brown solid (dirt & water)
0270      ZB      Drum #270, ZB, gray & brown solids
0271      ZB      Drum #271, ZB, gray & brown solids
0272      ZB      Drum #272, ZB, brown solids with water
0273      ZD      Drum #273, ZD, golden liquid (oil)
0274      ZD      Drum #274, ZD, black & brown solids
0275      ZB      Drum #275, ZB, brown & gray solids
0276      ZB      Drum #276, ZB, black & brown sludge
0277      ZB      Drum #277, ZB, trash & sludge
0278      ZB      Drum #278, ZB, brown & gray solids
0279      ZE      Drum #279, ZE, black (liquid)
0280      ZB      Drum #280, ZB, red & pink solids
0281      ZB      Drum #281, ZB, golden liquid with solids
0282      ZF      Drum #282, ZF, golden liquid (oil)
0283      ZB      Drum #283, ZB, brown & gray solids
0284      ZB      Drum #284, ZB, water & black sludge
0285      None    Drum #285, no markings, golden liquid
0286      None    Drum #286, no markings, clear liquid
0287      ZN      Drum #287, ZN, golden liquid
0288      ZL23    Drum #288, ZL23, dark liquid (oil)
0289      ZL      Drum #289, ZL, red liquid
0290      ZQ      Drum #290, ZQ, gray powder solids
0291      ZQ      Drum #291, ZQ
0292      ZB      Drum #292, ZB, liquid (black) and solids
0293      ZM      Drum #293, ZM, pink liquid
0294      ZL      Drum #294, ZL, black liquid
0295      ZK      Drum #295, ZK, golden liquid (oil)
0296      ZJ      Drum #296, ZJ, clear crystals (rock salt)
0297      ZH      Drum #297, ZH, golden liquid
0298      ZI      Drum #298, ZI, thick golden liquid
0299      ZB      Drum #299, ZB, wood & trash with dirt
0300      Pit     Drum #300, Pit, clear liquid
0301      Pit     Drum #301, Pit, clear liquid
0302      Pit     Drum #302, Pit, clear liquid
0303      Pit     Drum #303, Pit, clear liquid
0304      Pit     Drum #304, Pit, clear liquid
0305      Pit     Drum #305, Pit, clear liquid
0305      Pit     Drum #305, Pit, clear liquid
0306      Pit     Drum #306, Pit, clear liquid
0307      Pit     Drum #307, Pit, black liquid
0308      JJ      Drum #308, JJ, thick orange liquid
0309      9K      Drum #309, 9K, gold & brown crystal solids

```

S
O
R
T

1S
I
T
F
C
O
D
E

S
A
M
P
L
E
S

D
E
S
C

```

=====
0310      9K      Drum #310, 9K, black crystal solids
0311      9K      Drum #311, 9K, dark brown crystals
0312      9K      Drum #312, 9K, dark brown crystals
0313      9K      Drum #313, 9K, brown sludge
0314      9K      Drum #314, 9K, dark brown crystals
0314      9K      Drum #314, 9K, dark brown crystals
0315      JJ      Drum #315, JJ, brown & white crystals
0316      JJ      Drum #316, JJ, soil & gravel
0317      JJ      Drum #317, JJ, clear liquid
0318      CC      Drum #318, CC, white sand
0319      Pit     Drum #319, Pit, clear liquid
0320      JJ      Drum #320, JJ, orange liquid
0321      JJ      Drum #321, JJ, thick white paste
0322      NN      Drum #322, NN, water & solids (trash)
0323      JJ      Drum #323, JJ, thick white paste
0324      NN      Drum #324, NN, thick white paste
0325      NN      Drum #325, NN, black sludge
0326      JJ      Drum #326, JJ, brown (tan) sandish
0327      CC      Drum #327, CC, brown crystals
0328      None    Drum #328, No markings, brown clear liquid
0329      18W     Drum #329, 18W, clear liquid
0330      18W     Drum #330, 18W, clear liquid
0331      18W     Drum #331, 18W, clear liquid
0332      18W     Drum #332, 18W, clear liquid
0333      NN      Drum #333, NN, clear liquid with white sludge
0334      NN      Drum #334, NN, tan silt
0335      18W     Drum #335, 18W, clear liquid
0336      18W     Drum #336, 18W, clear liquid
0337      18W     Drum #337, 18W, clear
0338      18W     Drum #338, 18W, clear liquid
0339      18W     Drum #339, 18W, clear liquid
0340      18W     Drum #340, 18W, clear liquid
0341      LL      Drum #341, LL, brown chunks (crystals)
0342      18W     Drum #342, 18W, clear liquid
0343      18W     Drum #343, 18W, clear liquid
0344      18W     Drum #344, 18W, clear liquid
0345      JJ      Drum #345, JJ, brown liquid & white solids
0346      JJ      Drum #346, JJ, white paste
0347      JJ/LL   Drum #347, 1/2 JJ & 1/2 LL, brownish gray sand
0348      JJ      Drum #348, JJ, white solid
0349      LL      Drum #349, LL, brown sand
0350      JJ      Drum #350, JJ, brown watery liquid with sand
0351      JJ      Drum #351, JJ, clear liquid
0352      JJ      Drum #352, JJ, clear liquid with crusty solid bottom
0353      JJ      Drum #353, JJ, reddish clear liquid
0354      18W     Drum #354, 18W, clear liquid

```

S	S	S
O	I	A
R	T	M
T	F	.
	C	D
1	O	E
	D	S
	E	C

```

=====
0355      18W  Drum #355, 18W, clear liquid
0356      18W  Drum #356, 18W, clear liquid
0357      JJ   Drum #357, JJ, yellow liquid with solids
0358      18W  Drum #358, 18W, clear liquid
0359      18W  Drum #359, 18W, clear liquid
0360      18W  Drum #360, 18W, clear liquid
0361      18W  Drum #361, 18W, clear liquid
0362      18W  Drum #362, 18W, clear liquid
0363      18W  Drum #363, 18W
0364      18W  Drum #364, 18W, clear liquid
0365      18W  Drum #365, 18W, clear liquid
0366      NN   Drum #366, NN, clear liquid
0367      18W  Drum #367, 18W, clear liquid
0368      NN   Drum #368, NN, clear liquid
0369      18W  Drum #369, 18W, clear liquid
0370      18W  Drum #370, 18W, clear liquid
0371      18W  Drum #371, 18W, clear liquid
0372      18W  Drum #372, 18W, clear liquid
0373      18W  Drum #373, 18W, clear liquid
0374      18W  Drum #374, 18W, clear liquid
0375      Drum #375
0376      Drum #376
0377      Drum #377
0378      Drum #378
0379      Drum #379
0380      Drum #380
0381      Drum #381
0382      Drum #382
0383      Drum #383
0384      ZOX  Drum #384, ZOX, clear liquid
0385      ZOX  Drum #385, ZOX, clear
0386      None Drum #386, can't read, clear liquid
0387      18W  Drum #387, 18W, clear liquid
0388      18W  Drum #388, 18W, clear liquid (rusty)
0388      Drum #388, 18W, clear liquid (rusty)
0389      18W  Drum #389, clear liquid
0390      JJ   Drum #390, JJ, golden liquid
0391      JJ   Drum #391, JJ, golden liquid
0392      JJ   Drum #392, JJ, golden liquid
0392      Drum #392, JJ, golden liquid
0393      JJ   Drum #393, JJ, golden liquid with solids
0394      JJ   Drum #394, JJ, golden liquid
0395      JJ   Drum #395, JJ, gold liquid
0396      ZOX  Drum #396, ZOX, brown dirty liquid
0397      18W  Drum #397, 18W, clear liquid
0398      JJ   Drum #398, JJ, golden liquid

```


S
O
R
T

1

S
I
T
F
C
O
D
E

S
A
M
P
L
E
S

S
I
T
E
S

```

=====
0399      JJ      Drum #399, JJ, golden liquid
0400      JJ      Drum #400, JJ, golden liquid
0401      JJ      Drum #401, JJ, golden liquid
0402      JJ      Drum #402, JJ, rusty liquid (brown)
0403      JJ      Drum #403, golden liquid
0404      JJ      Drum #404, JJ, golden liquid
0405      18W     Drum #405, 18W, clear liquid
0406      BB      Drum #406, BB, dirt & debris solids
0407      JJ      Drum #407, JJ, gold, rusty liquid
0408      JJ      Drum #408, JJ, rusty liquid with solids
0409      JJ      Drum #409, JJ, golden liquid
0410      JJ      Drum #410, JJ, golden liquid
0411      JJ      Drum #411, JJ, golden liquid
0412      JJ      Drum #412, JJ, golden liquid
0413      JJ      Drum #413, JJ, golden liquid with white solids
0414      18W     Drum #414, 18W, clear liquid
0415      21Y     Drum #415, 21Y, thick white paste
0416      22Z     Drum #416, 22Z, very thick white paste
0417      22Z     Drum #417, 22Z, thick white paste
0418      22Z     Drum #418, 22Z, thick white paste
0419      21Y     Drum #419, 21Y, thick white liquid
0420      21Y     Drum #420, 21Y, thick white paste
0421      21Y     Drum #421, 21Y, thick white paste
0422      21Y     Drum #422, 21Y, thick white paste
0423      21Y     Drum #423, 21Y, thick white paste
0424      21Y     Drum #424, 21Y, thick white paste
0425      JJ      Drum #425, thick white paste
0426      21Y     Drum #426, 21Y, thick white solids
0427      22Z     Drum #427, 22Z, red liquid & white solids
0428      21Y     Drum #428, 21Y, thick white paste
0429      21Y     Drum #429, 21Y, thick white paste
0430      21Y     Drum #430, 21Y, thick white paste
0431      21Y     Drum #431, 21Y, thick white paste
0432      22Z     Drum #432, 22Z, clear liquid with solids
0433      JJ      Drum #433
0434      JJ      Drum #434, JJ, golden liquid
0435      JJ      Drum #435, JJ, orange liquid with white solids
0436      NN      Drum #436, NN, white solids
0437      NN      Drum #437, NN, white solids
0438      NN      Drum #438, NN, white solids
0438      NN      Drum #438, NN, white solids
0439      NN      Drum #439, NN, white solids
0440      NN      Drum #440, NN, white solids
0441      NN      Drum #441, NN, white solids
0442      21Y     Drum #442, 21Y, thick white paste
0443      21Y     Drum #443, 21Y, thick white paste
=====
    
```

S	S	S
O	I	A
R	T	M
T	E	.
	C	D
1	O	E
	D	S
	E	C

```

=====
0444      21Y  Drum #444, 21Y, thick white paste
0445      21Y  Drum #445, 21Y, thick white paste
0446      DD   Drum #446, DD, white powder
0447      DD   Drum #447, DD, white powder
0448      DD   Drum #448, DD, white powder
0449      DD   Drum #449, DD, white powder
0450      DD   Drum #450, DD, white powder
0450      DD   Drum #450, DD, white powder
0451      21Y  Drum #451, 21Y, white powder
0452      DD   Drum #452, DD, white powder
0453      DD   Drum #453, DD, white powder
0454      DD   Drum #454, DD, white powder
0455      DD   Drum #455, DD, white powder
0456      DD   Drum #456, DD, white powder
0457      21Y  Drum #457, 21Y, thick white paste
0458      DD   Drum #458, S, brown liquid
0458      S    Drum #458, S, brown liquid
0459      S    Drum #459, S, clear thick liquid
0460      DD   Drum #460, DD, white powder
0461      21Y  Drum #461, 21Y, thick white paste
0462      S    Drum #462, S, black thick liquid
0463      BO   Drum #463, BO, clear liquid
0464      None Drum #464, No Markings, clear liquid
0465      21Y  Drum #465, 21Y, thick white paste
0466      S    Drum #466, S, brown liquid
0467      DD   Drum #467
0468      BO   Drum #468, BO, clear liquid
0469      BO   Drum #469, BO, clear liquid
0470      Pit 3 Drum #470, Pit 3, clear liquid w/ brown sludge
0471      Pit 3 Drum #471, Pit 3, clear liquid
0472      Pit 3 Drum #472, Pit 3, clear liquid
0473      Pit 3 Drum #473, Pit 3, clear liquid
0474      Pit 3 Drum #474, Pit 3, clear liquid
0475      Pit 3 Drum #475, Pit 3, clear liquid
0476      Pit 3 Drum #476, Pit 3, clear liquid with solids
0477      Pit 3 Drum #477, Pit 3, brown solid
0478      Pit 3 Drum #478, Pit 3, dark sand
0479      Pit 3 Drum #479, Pit 3, sludge
0480      PP   Drum #480, PP, sludge
0481      PI3  Drum #481, PI3, dark sand
0482      Pit 3 Drum #482, Pit 3, clear liquid
0483      Pit 3 Drum #483, Pit 3, dark sand
0484      Pit 3 Drum #484, Pit 3, sudge dark
0485      Pit 3 Drum #485, Pit 3, dark sludge
0486      Pit 3 Drum #486, Pit 3, dark sludge
0487      Pit 3 Drum #487, Pit 3, black sludge

```

S	S	S
O	I	A
R	T	M
T	E	.
	C	D
1	O	E
	D	S
	E	C

```

=====
0488      Pit 3 Drum #488, Pit 3, dark sand sludge
0489      XXX  Drum #489, XXX, dirt & trash
0490      PP   Drum #490, PP, pink crystal chunks
0491      PP   Drum #491, PP, pink crystal chunks
0492      PP   Drum #492, PP, dark liquid w/ solids
0492      Drum #492, PP, dark liquid w/solids
0493      PP   Drum #493, PP, pink liquid w/ solids
0494      PP   Drum #494, PP, pink solids w/ liquid
0495      PP   Drum #495, PP, pink crystal solids
0496      Drum #496
0497      PP   Drum #497, PP, brown & pink crystal solids
0498      None Drum #498, No markings, dark sludge
0499      Pit  Drum #499, Pit, dark black sludge
0500      Pit 3 Drum #500, Pit 3, dry grain solids
0501      Pit 3 Drum #501, Pit 3, dark black sludge
0502      Pit 3 Drum #502, Pit 3, clear liquid w/pink solids
0503      Pit 3 Drum #503, Pit 3, black solid w/ water
0504      Pit 3 Drum #504, Pit 3, black solids w/ water
0505      Pit 3 Drum #505, Pit 3, dark solids w/ water
0506      Pit 3 Drum #506, Pit 3, dark solids w/ water
0507      Pit 3 Drum #507, Pit 3, dark solid w/ water
0508      Pit 3 Drum #508, Pit 3, dark solids w/ liquid
0509      Pit 3 Drum #509, Pit 3, dark brown solid w/ water
0510      Pit 3 Drum #510, Pit 3, clear liquid
0511      Pit 3 Drum #511, Pit 3, dark solids w/ water
0512      Pit 3 Drum #512, Pit 3, clear liquid
0513      Pit 3 Drum #513, Pit 3, dark solids w/ water
0514      Pit 3 Drum #514, Pit 3, dark solids (dry)
0515      Pit 3 Drum #515, Pit 3, dark solid w/ water
0516      Pit 3 Drum #516, Pit 3, dark solids (dry)
0517      Pit 3 Drum #517, Pit 3, dark solids w/ water
0518      Pit 3 Drum #518, Pit 3, clear liquid
0519      Pit 3 Drum #519, Pit 3, clear liquid
0520      Pit 3 Drum #520, Pit 3, clear liquid
0521      Pit 3 Drum #521, Pit 3, clear liquid
0522      Pit 3 Drum #522, Pit 3, clear liquid
0523      Pit 3 Drum #523, Pit 3, clear liquid
0524      Pit 3 Drum #524, Pit 3, clear liquid
0525      Pit 3 Drum #525, Pit 3, clear liquid
0526      Pit 3 Drum #526, Pit 3, clear liquid
0527      Pit 3 Drum #527, Pit 3, clear liquid
0528      Pit 3 Drum #528, Pit 3, clear liquid
0529      Pit 3 Drum #529, Pit 3, clear liquid
0530      Pit 3 Drum #530, Pit 3, clear liquid
0531      Pit 3 Drum #531, Pit 3, clear liquid
0532      Pit 3 Drum #532, Pit 3, clear liquid

```

S
O
R
T

1

O

S
T
E
C
O
D
E

S
M
.
D
E
S
C

I
A

```

=====
0533      Pit 3 Drum #533, Pit 3, clear liquid
0534      Drum #534
0535      Drum #535
0536      Pit 3 Drum #536, Pit 3, clear liquid
0537      Pit 3 Drum #537, Pit 3, clear liquid w/ dark solids
0538      Pit 3 Drum #538, Pit 3, clear liquid
0539      Pit 3 Drum #539, Pit 3, clear liquid
0540      Pit 3 Drum #540, Pit 3, clear liquid
0541      Pit 3 Drum #541, Pit 3, clear liquid
0542      Pit 3 Drum #542, Pit 3, clear liquid
0543      Pit 3 Drum #543, Pit 3, dark solids w/ liquid
0544      Pit 3 Drum #544, Pit 3, dark solids
0545      Pit 3 Drum #545, Pit 3, dark solids
0546      Pit 3 Drum #546, Pit 3, brown solids (dirt)
0547      Pit 3 Drum #547, Pit 3, clear liquid
0548      Pit 3 Drum #548, Pit 3, clear liquid
0549      Pit 3 Drum #549, Pit 3, clear liquid
0550      Pit 3 Drum #550, Pit 3, clear liquid
0551      Pit 3 Drum #551, Pit 3, clear liquid
0552      Pit 3 Drum #552, Pit 3, clear liquid
0553      Drum #553
0554      Pit 3 Drum #554, Pit 3, clear liquid
0554      Drum #554, Pit 3, clear liquid
0555      Pit 3 Drum #555, Pit 3, clear liquid
0556      Pit 3 Drum #556, Pit 3, clear liquid
0557      Pit 3 Drum #557, Pit 3, dark solid w/ water
0558      Drum #558, Pit 3, dark sludge w/water
0558      Pit 3 Drum #558, Pit 3, dark sludge w/ water
0559      Pit 3 Drum #559, Pit 3, clear liquid
0560      Pit 3 Drum #560, Pit 3, clear liquid
0561      Pit 3 Drum #561, Pit 3, clear liquid
0562      Pit 3 Drum #562, Pit 3, clear liquid
0563      Pit 3 Drum #563, Pit 3, clear liquid
0564      Pit 3 Drum #564, Pit 3, clear liquid
0565      Pit 3 Drum #565, Pit 3, clear liquid
0566      Pit 3 Drum #566, Pit 3, clear liquid w/ green solids
0567      Pit 3 Drum #567, Pit 3, clear liquid
0568      Pit 3 Drum #568, Pit 3, clear liquid
0569      Pit 3 Drum #569, Pit 3, clear liquid
0570      Pit 3 Drum #570, Pit 3, clear liquid
    
```

S	S	S	"LISTED BY DRUM GROUP"
I	O	A	
T	R	M	
E	T	.	
C		D	
O	1	E	
D		S	
E		C	

```

=====
0379      Drum #379
0092      Drum #92
0553      Drum #553
0065      Drum #65, 400, clear gold liquid
0433      Drum #433
0314      Drum #314, 9K, dark brown crystals
0040      Drum #40, 23AA, milky liquid
0388      Drum #388, 18W, clear liquid (rusty)
0554      Drum #554, Pit 3, clear liquid
0380      Drum #380
0230      Drum #230, BB, clear liquid & white solids
0438      Drum #438, NN, white solids
0558      Drum #558, Pit 3, dark sludge w/water
0021      Drum #21, CQ, yellow crystal powders
0093      Drum #93
0496      Drum #496
0376      Drum #376
0044      Drum #44
0305      Drum #305, Pit, clear liquid
0492      Drum #492, PP, dark liquid w/solids
0534      Drum #534
0174      Drum #174, 21Y, thick white paste
0382      Drum #382
0383      Drum #383
0458      Drum #458, S, brown liquid
0045      Drum #45
0377      Drum #377
0467      Drum #467
0176      Drum #176, 21Y, thick white paste
0425      Drum #425, thick white paste
0018      Drum #18, CY, white & yellow crystals
0375      Drum #375
0450      Drum #450, DD, white powder
0403      Drum #403, golden liquid
0119      Drum #119, CZ, dark brown liquid
0075      Drum #75, 15T, pink thick liquid
0535      Drum #535
0183      Drum #183, QQ, pink & red liquid
0392      Drum #392, JJ, golden liquid
0162      Drum #162, CX, golden liquid
0381      Drum #381
0378      Drum #378
0251      Drum #251, ZB, brown sludge & water
15T 0076      Drum #76, 15T, pink thick liquid
15T 0078      Drum #78, 15T, pink thick liquid
15T 0087      Drum #87, 15T, pink & red thick liquid
    
```

S
I
T
E
C
O
D
E

S
O
R
T

S
A
M
P
L
E
S
C

```

=====
15T 0090 Drum #90, 15T, pink & red thick liquid
15T 0077 Drum #77, 15T, pink & white thick liquid
15T 0079 Drum #79, 15T, pink thick liquid
15T 0075 Drum #75, 15T, pink thick liquid
15T 0089 Drum #89, 15T, pink & red thick liquid
15T 0088 Drum #88, 15T, pink & red thick liquid
18W 0370 Drum #370, 18W, clear liquid
18W 0388 Drum #388, 18W, clear liquid (rusty)
18W 0389 Drum #389, clear liquid
18W 0335 Drum #335, 18W, clear liquid
18W 0342 Drum #342, 18W, clear liquid
18W 0372 Drum #372, 18W, clear liquid
18W 0405 Drum #405, 18W, clear liquid
18W 0336 Drum #336, 18W, clear liquid
18W 0330 Drum #330, 18W, clear liquid
18W 0354 Drum #354, 18W, clear liquid
18W 0362 Drum #362, 18W, clear liquid
18W 0331 Drum #331, 18W, clear liquid
18W 0373 Drum #373, 18W, clear liquid
18W 0367 Drum #367, 18W, clear liquid
18W 0329 Drum #329, 18W, clear liquid
18W 0414 Drum #414, 18W, clear liquid
18W 0387 Drum #387, 18W, clear liquid
18W 0371 Drum #371, 18W, clear liquid
18W 0397 Drum #397, 18W, clear liquid
18W 0337 Drum #337, 18W, clear
18W 0343 Drum #343, 18W, clear liquid
18W 0356 Drum #356, 18W, clear liquid
18W 0374 Drum #374, 18W, clear liquid
18W 0364 Drum #364, 18W, clear liquid
18W 0339 Drum #339, 18W, clear liquid
18W 0344 Drum #344, 18W, clear liquid
18W 0361 Drum #361, 18W, clear liquid
18W 0340 Drum #340, 18W, clear liquid
18W 0338 Drum #338, 18W, clear liquid
18W 0332 Drum #332, 18W, clear liquid
18W 0369 Drum #369, 18W, clear liquid
18W 0358 Drum #358, 18W, clear liquid
18W 0363 Drum #363, 18W
18W 0355 Drum #355, 18W, clear liquid
18W 0365 Drum #365, 18W, clear liquid
18W 0360 Drum #360, 18W, clear liquid
18W 0359 Drum #359, 18W, clear liquid
21Y 0225 Drum #225, 21Y, thick white paste
21Y 0415 Drum #415, 21Y, thick white paste
21Y 0422 Drum #422, 21Y, thick white paste
    
```

S I T E C O D E	S O R T	S A M P L E S
E	E	C
21Y	0175	Drum #175, 21Y, thick white paste
21Y	0153	Drum #153, 21Y, thick white paste
21Y	0457	Drum #457, 21Y, thick white paste
21Y	0169	Drum #169, 21Y, thick white paste
21Y	0148	Drum #148, 21Y, thick white paste
21Y	0181	Drum #181, 21Y, thick white paste
21Y	0461	Drum #461, 21Y, thick white paste
21Y	0137	Drum #137, 21Y, white paste
21Y	0212	Drum #212, 21Y, thick white paste
21Y	0189	Drum #189, 21Y, thick white paste
21Y	0128	Drum #128, 21Y, black thick liquid
21Y	0170	Drum #170, 21Y, thick white paste
21Y	0147	Drum #147, 21Y, thick white paste
21Y	0152	Drum #152, 21Y, thick white paste
21Y	0171	Drum #171, 21Y, thick white paste
21Y	0423	Drum #423, 21Y, thick white paste
21Y	0154	Drum #154, 21Y, thick white paste
21Y	0156	Drum #156, 21Y, thick white paste
21Y	0217	Drum #217, 21Y, thick white paste
21Y	0160	Drum #160, 21Y, thick white paste
21Y	0451	Drum #451, 21Y, white powder
21Y	0421	Drum #421, 21Y, thick white paste
21Y	0165	Drum #165, 21Y, thick white paste
21Y	0129	Drum #129, 21Y, white paste
21Y	0172	Drum #172, 21Y, thick white paste
21Y	0443	Drum #443, 21Y, thick white paste
21Y	0193	Drum #193, 21Y, thick white paste
21Y	0132	Drum #132, 21Y, white paste (solids)
21Y	0210	Drum #210, 21Y, thick white paste
21Y	0428	Drum #428, 21Y, thick white paste
21Y	0211	Drum #211, 21Y, thick white paste
21Y	0424	Drum #424, 21Y, thick white paste
21Y	0431	Drum #431, 21Y, thick white paste
21Y	0426	Drum #426, 21Y, thick white solids
21Y	0166	Drum #166, 21Y, thick white paste
21Y	0420	Drum #420, 21Y, thick white paste
21Y	0142	Drum #142, 21Y, thick white paste
21Y	0445	Drum #445, 21Y, thick white paste
21Y	0429	Drum #429, 21Y, thick white paste
21Y	0190	Drum #190, 21Y, thick white paste
21Y	0149	Drum #149, 21Y, thick white paste
21Y	0419	Drum #419, 21Y, thick white liquid
21Y	0182	Drum #182, 21Y, very thick white paste
21Y	0187	Drum #187, 21Y, thick white paste
21Y	0214	Drum #214, 21Y, thick white paste
21Y	0442	Drum #442, 21Y, thick white paste

S
I
T
E
C
O
D
E

S
O
R
T

S
A
M
P
L
E
S

```

=====
21Y 0136 Drum #136, 21Y, white paste
21Y 0140 Drum #140, 21Y, thick white paste
21Y 0130 Drum #130, 21Y, white paste (solids)
21Y 0135 Drum #135, 21Y, white paste
21Y 0131 Drum #131, 21Y, white paste
21Y 0178 Drum #178, 21Y, thick white paste
21Y 0155 Drum #155, 21Y, very thick white paste
21Y 0174 Drum #174, 21Y, thick white paste
21Y 0188 Drum #188, 21Y, thick white paste
21Y 0444 Drum #444, 21Y, thick white paste
21Y 0168 Drum #168, 21Y, thick white paste
21Y 0179 Drum #179, 21Y, thick white paste
21Y 0176 Drum #176, 21Y, thick white paste
21Y 0465 Drum #465, 21Y, thick white paste
21Y 0157 Drum #157, 21Y, thick white paste
21Y 0159 Drum #159, 21Y, thick white paste
21Y 0161 Drum #161, 21Y, thick white paste
21Y 0134 Drum #134, 21Y, white paste
21Y 0177 Drum #177, 21Y, thick white paste
21Y 0145 Drum #145, 21Y, thick white paste
21Y 0201 Drum #201, 21Y, thick white paste
21Y 0213 Drum #213, 21Y, thick white paste
21Y 0430 Drum #430, 21Y, thick white paste
21Y 0141 Drum #141, 21Y, thick white paste
21Y 0163 Drum #163, 21Y, thick white paste
21Y 0158 Drum #158, 21Y, thick white paste
21Y 0203 Drum #203, 21Y, thick white paste
21Y 0205 Drum #205, 21Y, thick white paste
21Y 0167 Drum #167, 21Y, thick white paste
21Y 0146 Drum #146, 21Y, thick white paste
21Y 0133 Drum #133, 21Y, white paste
21Y 0204 Drum #204, 21Y, thick white paste
21Y 0180 Drum #180, 21Y, thick white paste
21Y 0202 Drum #202, 21Y, thick white paste
21Y 0151 Drum #151, 21Y, thick white paste
21Y 0143 Drum #143, 21Y, thick white paste
21Y 0144 Drum #144, 21Y, thick white paste
22Y 0164 Drum #164, 21Y, thick white paste
22Z 0418 Drum #418, 22Z, thick white paste
22Z 0427 Drum #427, 22Z, red liquid & white solids
22Z 0416 Drum #416, 22Z, very thick white paste
22Z 0417 Drum #417, 22Z, thick white paste
22Z 0432 Drum #432, 22Z, clear liquid with solids
23AA 0040 Drum #40, 23AA, milky liquid
23AA 0038 Drum #38, 23AA, clear yellow liquid
23AA 0039 Drum #39, 23AA, milky white liquid

```


S
I
T
E
C
O
D
E

S
O
R
T

S
A
M
P
L
E
S

```

=====
23AA 0035      Drum #35, 23AA, white cloudy liquid
23AA 0037      Drum #37, 23AA, brown sludge
400  0083      Drum #83, 400, clear gold liquid
400  0058      Drum #58, 400, clear gold liquid
400  0049      Drum #49, 400, clear gold liquid
400  0081      Drum #81, 400, clear gold liquid
400  0064      Drum #64, 400, clear gold liquid
400  0065      Drum #65, 400, clear gold liquid
400  0082      Drum #82, 400, clear gold liquid
400  0059      Drum #59, 400, clear gold liquid
400  0051      Drum #51, 400, clear gold liquid
400  0063      Drum #63, 400, clear gold liquid
400  0061      Drum #61, 400, clear gold liquid
400  0052      Drum #52, 400, clear gold liquid
400  0034      Drum #34, 400, gold liquid
400  0067      Drum #67, 400, clear gold liquid
400  0047      Drum #47, 400, clear gold liquid
400  0062      Drum #62, 400, clear gold liquid
400  0060      Drum #60, 400, clear gold liquid
400  0046      Drum #46, 400, clear gold liquid
400  0071      Drum #71, 400, clear gold liquid
400  0048      Drum #48, 400, clear gold liquid
400  0066      Drum #66, 400, clear gold liquid
400  0057      Drum #57, 400, clear gold liquid with residue in bott
400  0050      Drum #50, 400, clear gold liquid
400  0056      Drum #56, 400, clear gold liquid
400  0068      Drum #68, 400, clear gold liquid
400  0070      Drum #70, 400, clear gold liquid
400  0069      Drum #69, 400, clear gold liquid
400  0042      Drum #42, 400, clear gold liquid
400  0084      Drum #84, 400, clear gold liquid
400  0053      Drum #53, 400, clear gold liquid
400  0043      Drum #43, 400, gold clear liquid
400  0054      Drum #54, 400, clear gold liquid
400  0055      Drum #55, 400 clear gold liquid
400  0032      Drum #32, 400, yellow liquid
400pt 0033     Drum #33, 400 part, black & gold liquid
51T  0074      Drum #74, 51T, white & pink thick liquid
9K   0310      Drum #310, 9K, black crystal solids
9K   0311      Drum #311, 9K, dark brown crystals
9K   0314      Drum #314, 9K, dark brown crystals
9K   0312      Drum #312, 9K, dark brown crystals
9K   0309      Drum #309, 9K, gold & brown crystal solids
9K   0313      Drum #313, 9K, brown sludge
A-1  0073      Drum #73, A-1, brown grain solids
A-1  0072      Drum #72, A-1, sandy colored solid

```

S I T E C O D E	S O R T	S A M P L E S
AI	0086	Drum #86, AI, brown grain sand (solids)
AT	0116	Drum #116, AT, dark brown liquid
BB	0206	Drum #206, BB, clear liquid
BB	0222	Drum #222, BB, clear liquid & white solids
BB	0237	Drum #237, BB, white solids
BB	0235	Drum #235, BB, white solids
BB	0240	Drum #240, BB, white solids with crystals
BB	0215	Drum #215, BB, clear liquid & white solids
BB	0238	Drum #238, BB, white solids
BB	0226	Drum #226, BB, clear liquid & white solids
BB	0236	Drum #236, BB, white solids
BB	0239	Drum #239, BB, white solids
BB	0227	Drum #227, BB, clear liquid & white solids
BB	0231	Drum #231, BB, clear liquid & white solids
BB	0230	Drum #230, BB, clear liquid & white solids
BB	0218	Drum #218, BB, clear liquid & white solids
BB	0232	Drum #232, BB, clear liquid & white solids
BB	0241	Drum #241, BB, white solids
BB	0207	Drum #207, BB, clear liquid & white solids
BB	0233	Drum #233, BB, white solids
BB	0234	Drum #234, BB, white solids
BB	0229	Drum #229, BB, clear liquid & white solids
BB	0223	Drum #223, BB, clear liquid & white solids
BB	0406	Drum #406, BB, dirt & debris solids
BB	0197	Drum #197, BB, clear liquid with white solids
BB	0216	Drum #216, BB, clear liquid & white solids
BB	0139	Drum #139, BB, white cloudy liquid (thick)
BB	0224	Drum #224, BB, clear liquid & white solids
BB	0219	Drum #219, BB, clear liquid & white solids
BB	0127	Drum #127, BB, cloudy white liquid
BB	0221	Drum #221, BB, clear liquid & white solids
BB	0220	Drum #220, BB, clear liquid & white solids
BB	0228	Drum #228, BB, clear liquid & white solids
BB15T	0091	Drum #91, BB15T, full (liquid) red & pink liquid
BO	0469	Drum #469, BO, clear liquid
BO	0463	Drum #463, BO, clear liquid
BO	0468	Drum #468, BO, clear liquid
CC	0327	Drum #327, CC, brown crystals
CC	0318	Drum #318, CC, white sand
CQ	0022	Drum #22, CQ, white crystalized powder
CQ	0007	Drum #7, CQ, White crystalized powder
CQ	0011	Drum #11, CQ, crystalized white powder
CQ	0008	Drum #8, CQ, Crystalized white powder
CQ	0005	Drum #5, CQ, White powder (solids)
CQ	0010	Drum #10, crystalized white powder
CQ	0006	Drum #6, CQ, White crystalized powder

S S
I O
T R
E T
C
O 1
D
E

S
A
M
.
D
E
S
C

```

=====
CQ 0009 Drum #9, CQ, crystalized white powder
CQ 0021 Drum #21, CQ, yellow crystal powders
CQ ? 0004 Drum #4, CQ ?, solid gray & white sludge
CQ Pt 0016 Drum #16, CQ Part, gray & white crystals
CX 0162 Drum #162, CX, golden liquid
CX 0110 Drum #110, CX, clear liquid (solvent)
CX 0138 Drum #138, CX, dark liquid
CX 0150 Drum #150, CX, pink liquid
CX"S" 0246 Drum #246, CX "S", black & red solids
CX"S" 0248 Drum #248, CX "S", clear crystals solids
CX"S" 0245 Drum #245, CX "S", clear crystal
CX"S" 0247 Drum #247, CX "S", no description
CY 0018 Drum #18, CY white & yellow crystals
CY 0024 Drum #24, CY, brown & yellow crystals
CY 0029 Drum #29, CY, white & yellow crystal w/liquid(yellow)
CY 0014 Drum #14, CY yellow & white crystals
CY 0025 Drum #25, CY, brown & yellow crystals
CY 0026 Drum #26, CY, brown & yellow crystal
CY 0028 Drum #28, CY, yellow & white crystals
CY 0027 Drum #27, CY, yellow & white crystals
CY 0019 Drum #19, CY, solids on top
CY 0015 Drum #15, CY, yellow & white crystals
CY 0017 Drum #17, CY, yellow liquid
CY 0012 Drum #12, CY, white crystals
CY 0020 Drum #20, CY, solids, yellow crystals
CY 0013 Drum #13, CY, white crystals
CYH2O 0094 Drum #94, CY H2O, white crystals (solids)
CZ 0114 Drum #114, CZ, dark brown liquid
CZ 0113 Drum #113, CZ, dark brown liquid
CZ 0173 Drum #173, CZ, black liquid
CZ 0112 Drum #112, CZ, dark brown liquid
CZ 0111 Drum #111, CZ, dark brown liquid
CZ 0122 Drum #122, CZ, dark brown liquid
CZ 0107 Drum #107, CZ, dark clear liquid
CZ 0109 Drum #109, CZ, brown liquid
CZ 0123 Drum #123, CZ, dark brown liquid
CZ 0119 Drum #119, CZ, dark brown liquid
CZ 0118 Drum #118, CZ, dark brown (liquid)
CZ 0041 Drum #41, CZ, black liquid
CZH2O 0124 Drum #124, CZ & H2O, dark brown liquid
DD 0455 Drum #455, DD, white powder
DD 0452 Drum #452, DD, white powder
DD 0456 Drum #456, DD, white powder
DD 0453 Drum #453, DD, white powder
DD 0449 Drum #449, DD, white powder
DD 0450 Drum #450, DD, white powder

```

S I T E C O D E	S O R T	S A M P L E	D E S C R I P T I O N
DD	0460	Drum #460, DD,	white powder
DD	0446	Drum #446, DD,	white powder
DD	0454	Drum #454, DD,	white powder
DD	0447	Drum #447, DD,	white powder
DD	0448	Drum #448, DD,	white powder
JJ	0317	Drum #317, JJ,	clear liquid
JJ	0345	Drum #345, JJ,	brown liquid & white solids
JJ	0348	Drum #348, JJ,	white solid
JJ	0392	Drum #392, JJ,	golden liquid
JJ	0326	Drum #326, JJ,	brown (tan) sandish
JJ	0391	Drum #391, JJ,	golden liquid
JJ	0434	Drum #434, JJ,	golden liquid
JJ	0346	Drum #346, JJ,	white paste
JJ	0404	Drum #404, JJ,	golden liquid
JJ	0308	Drum #308, JJ,	thick orange liquid
JJ	0401	Drum #401, JJ,	golden liquid
JJ	0399	Drum #399, JJ,	golden liquid
JJ	0402	Drum #402, JJ,	rusty liquid (brown)
JJ	0315	Drum #315, JJ,	brown & white crystals
JJ	0351	Drum #351, JJ,	clear liquid
JJ	0394	Drum #394, JJ,	golden liquid
JJ	0350	Drum #350, JJ,	brown watery liquid with sand
JJ	0408	Drum #408, JJ,	rusty liquid with solids
JJ	0320	Drum #320, JJ,	orange liquid
JJ	0390	Drum #390, JJ,	golden liquid
JJ	0410	Drum #410, JJ,	golden liquid
JJ	0413	Drum #413, JJ,	golden liquid with white solids
JJ	0407	Drum #407, JJ,	gold, rusty liquid
JJ	0316	Drum #316, JJ,	soil & gravel
JJ	0352	Drum #352, JJ,	clear liquid with crusty solid bottom
JJ	0393	Drum #393, JJ,	golden liquid with solids
JJ	0321	Drum #321, JJ,	thick white paste
JJ	0357	Drum #357, JJ,	yellow liquid with solids
JJ	0398	Drum #398, JJ,	golden liquid
JJ	0323	Drum #323, JJ,	thick white paste
JJ	0435	Drum #435, JJ,	orange liquid with white solids
JJ	0353	Drum #353, JJ,	reddish clear liquid
JJ	0412	Drum #412, JJ,	golden liquid
JJ	0400	Drum #400, JJ,	golden liquid
JJ	0411	Drum #411, JJ,	golden liquid
JJ	0409	Drum #409, JJ,	golden liquid
JJ	0395	Drum #395, JJ,	gold liquid
JJ/LL	0347	Drum #347, 1/2 JJ & 1/2 LL,	brownish gray sand
Konku	0120	Drum #120, Super Konkure Harris Chemical,	golden liqu
LL	0080	Drum #80, LL,	clear liquid-white solids
LL	0349	Drum #349, LL,	brown sand

S I T E C O D E	S O R T	S A M P L E S
====	=====	=====
LL	0036	Drum #36, LL, brown clay solids
LL	0341	Drum #341, LL, brown chunks (crystals)
LL	0085	Drum #85, LL, white crystal solids
NN	0436	Drum #436, NN, white solids
NN	0441	Drum #441, NN, white solids
NN	0366	Drum #366, NN, clear liquid
NN	0325	Drum #325, NN, black sludge
NN	0438	Drum #438, NN, white solids
NN	0333	Drum #333, NN, clear liquid with white sludge
NN	0440	Drum #440, NN, white solids
NN	0368	Drum #368, NN, clear liquid
NN	0322	Drum #322, NN, water & solids (trash)
NN	0437	Drum #437, NN, white solids
NN	0334	Drum #334, NN, tan silt
NN	0439	Drum #439, NN, white solids
NN	0324	Drum #324, NN, thick white paste
None	0498	Drum #498, No markings, dark sludge
None	0003	Drum #3, No markings, crystals & powder solids purple
None	0121	Drum #121, No markings, dark liquid & solids
None	0328	Drum #328, No markings, brown clear liquid
None	0386	Drum #386, can't read, clear liquid
None	0108	Drum #108, No markings, clay absorbant (gray)
None	0285	Drum #285, no markings, golden liquid
None	0464	Drum #464, No Markings, clear liquid
None	0286	Drum #286, no markings, clear liquid
OB	0023	Drum #23, OB, Brown crystalized solids
PI3	0481	Drum #481, PI3, dark sand
PP	0097	Drum #97, PP, red clay (solids)
PP	0490	Drum #490, PP, pink crystal chunks
PP	0494	Drum #494, PP, pink solids w/ liquid
PP	0497	Drum #497, PP, brown & pink crystal solids
PP	0001	Drum #1, PP, Solids crystals (purple)
PP	0491	Drum #491, PP, pink crystal chunks
PP	0492	Drum #492, PP, dark liquid w/ solids
PP	0493	Drum #493, PP, pink liquid w/ solids
PP	0002	Drum #2, PP, Crystals & Powder (purple)
PP	0126	Drum #126, PP, red sand & dirt solids
PP	0104	Drum #104, PP, red sand & white crystals
PP	0242	Drum #242, PP, brown crystalized solids
PP	0101	Drum #101, PP, brown & red sand crystals
PP	0495	Drum #495, PP, pink crystal solids
PP	0105	Drum #105, PP, red sand & white crystals
PP	0480	Drum #480, PP, sludge
Para	0125	Drum #125, Liquido Paepot Para Ptopor, black liquid
Pit	0319	Drum #319, Pit, clear liquid
Pit	0304	Drum #304, Pit, clear liquid

S S S
 I O A
 T R M
 E T .
 C D
 O 1 E
 D S
 E C

```

=====
Pit 0499 Drum #499, Pit, dark black sludge
Pit 0305 Drum #305, Pit, clear liquid
Pit 0106 Drum #106, Pit, dark brown liquid
Pit 0302 Drum #302, Pit, clear liquid
Pit 0303 Drum #303, Pit, clear liquid
Pit 0307 Drum #307, Pit, black liquid
Pit 0300 Drum #300, Pit, clear liquid
Pit 0301 Drum #301, Pit, clear liquid
Pit 0306 Drum #306, Pit, clear liquid
Pit 3 0527 Drum #527, Pit 3, clear liquid
Pit 3 0528 Drum #528, Pit 3, clear liquid
Pit 3 0526 Drum #526, Pit 3, clear liquid
Pit 3 0563 Drum #563, Pit 3, clear liquid
Pit 3 0537 Drum #537, Pit 3, clear liquid w/ dark solids
Pit 3 0488 Drum #488, Pit 3, dark sand sludge
Pit 3 0561 Drum #561, Pit 3, clear liquid
Pit 3 0558 Drum #558, Pit 3, dark sludge w/ water
Pit 3 0470 Drum #470, Pit 3, clear liquid w/ brown sludge
Pit 3 0529 Drum #529, Pit 3, clear liquid
Pit 3 0547 Drum #547, Pit 3, clear liquid
Pit 3 0474 Drum #474, Pit 3, clear liquid
Pit 3 0475 Drum #475, Pit 3, clear liquid
Pit 3 0545 Drum #545, Pit 3, dark solids
Pit 3 0486 Drum #486, Pit 3, dark sludge
Pit 3 0560 Drum #560, Pit 3, clear liquid
Pit 3 0562 Drum #562, Pit 3, clear liquid
Pit 3 0484 Drum #484, Pit 3, sudge dark
Pit 3 0510 Drum #510, Pit 3, clear liquid
Pit 3 0530 Drum #530, Pit 3, clear liquid
Pit 3 0557 Drum #557, Pit 3, dark solid w/ water
Pit 3 0569 Drum #569, Pit 3, clear liquid
Pit 3 0524 Drum #524, Pit 3, clear liquid
Pit 3 0473 Drum #473, Pit 3, clear liquid
Pit 3 0566 Drum #566, Pit 3, clear liquid w/ green solids
Pit 3 0504 Drum #504, Pit 3, black solids w/ water
Pit 3 0555 Drum #555, Pit 3, clear liquid
Pit 3 0476 Drum #476, Pit 3, clear liquid with solids
Pit 3 0487 Drum #487, Pit 3, black sludge
Pit 3 0536 Drum #536, Pit 3, clear liquid
Pit 3 0472 Drum #472, Pit 3, clear liquid
Pit 3 0516 Drum #516, Pit 3, dark solids (dry)
Pit 3 0548 Drum #548, Pit 3, clear liquid
Pit 3 0506 Drum #506, Pit 3, dark solids w/ water
Pit 3 0501 Drum #501, Pit 3, dark black sludge
Pit 3 0477 Drum #477, Pit 3, brown solid
Pit 3 0525 Drum #525, Pit 3, clear liquid

```

S S
I O
T R
E T
C
O 1
D
E C

```

=====
Pit 3 0564      Drum #564, Pit 3, clear liquid
Pit 3 0568      Drum #568, Pit 3, clear liquid
Pit 3 0482      Drum #482, Pit 3, clear liquid
Pit 3 0538      Drum #538, Pit 3, clear liquid
Pit 3 0546      Drum #546, Pit 3, brown solids (dirt)
Pit 3 0522      Drum #522, Pit 3, clear liquid
Pit 3 0471      Drum #471, Pit 3, clear liquid
Pit 3 0533      Drum #533, Pit 3, clear liquid
Pit 3 0512      Drum #512, Pit 3, clear liquid
Pit 3 0570      Drum #570, Pit 3, clear liquid
Pit 3 0511      Drum #511, Pit 3, dark solids w/ water
Pit 3 0556      Drum #556, Pit 3, clear liquid
Pit 3 0517      Drum #517, Pit 3, dark solids w/ water
Pit 3 0542      Drum #542, Pit 3, clear liquid
Pit 3 0552      Drum #552, Pit 3, clear liquid
Pit 3 0541      Drum #541, Pit 3, clear liquid
Pit 3 0513      Drum #513, Pit 3, dark solids w/ water
Pit 3 0531      Drum #531, Pit 3, clear liquid
Pit 3 0550      Drum #550, Pit 3, clear liquid
Pit 3 0518      Drum #518, Pit 3, clear liquid
Pit 3 0554      Drum #554, Pit 3, clear liquid
Pit 3 0508      Drum #508, Pit 3, dark solids w/ liquid
Pit 3 0532      Drum #532, Pit 3, clear liquid
Pit 3 0559      Drum #559, Pit 3, clear liquid
Pit 3 0478      Drum #478, Pit 3, dark sand
Pit 3 0520      Drum #520, Pit 3, clear liquid
Pit 3 0519      Drum #519, Pit 3, clear liquid
Pit 3 0483      Drum #483, Pit 3, dark sand
Pit 3 0500      Drum #500, Pit 3, dry grain solids
Pit 3 0485      Drum #485, Pit 3, dark sludge
Pit 3 0515      Drum #515, Pit 3, dark solid w/ water
Pit 3 0509      Drum #509, Pit 3, dark brown solid w/ water
Pit 3 0551      Drum #551, Pit 3, clear liquid
Pit 3 0523      Drum #523, Pit 3, clear liquid
Pit 3 0502      Drum #502, Pit 3, clear liquid w/pink solids
Pit 3 0539      Drum #539, Pit 3, clear liquid
Pit 3 0565      Drum #565, Pit 3, clear liquid
Pit 3 0543      Drum #543, Pit 3, dark solids w/ liquid
Pit 3 0479      Drum #479, Pit 3, sludge
Pit 3 0540      Drum #540, Pit 3, clear liquid
Pit 3 0567      Drum #567, Pit 3, clear liquid
Pit 3 0521      Drum #521, Pit 3, clear liquid
Pit 3 0549      Drum #549, Pit 3, clear liquid
Pit 3 0505      Drum #505, Pit 3, dark solids w/ water
Pit 3 0514      Drum #514, Pit 3, dark solids (dry)
Pit 3 0507      Drum #507, Pit 3, dark solid w/ water

```

S
I
T
E
C
O
D
E

S
O
R
T

1

S
A
M
P
L
E
S
C

```

=====
Pit 3 0544      Drum #544, Pit 3, dark solids
Pit 3 0503      Drum #503, Pit 3, black solid w/ water
QQ 0185        Drum #185, QQ, red & pink liquid
QQ 0208        Drum #208, QQ, red & pink liquid
QQ 0200        Drum #200, QQ, red & pink liquid
QQ 0184        Drum #184, QQ, red & pink liquid
QQ 0195        Drum #195, QQ, pink & red liquid
QQ 0186        Drum #186, QQ, red & pink liquid
QQ 0209        Drum #209, QQ, pink & red liquid
QQ 0192        Drum #192, QQ, red & pink liquid
QQ 0191        Drum #191, QQ, red & pink liquid
QQ 0199        Drum #199, QQ, red & pink liquid
QQ 0194        Drum #194, QQ, red & pink liquid
QQ 0198        Drum #198, QQ, red liquid
QQ 0196        Drum #196, QQ, pink thick liquid
QQ 0183        Drum #183, QQ, pink & red liquid
S 0459         Drum #459, S, clear thick liquid
S 0462         Drum #462, S, black thick liquid
S 0458         Drum #458, S, brown liquid
S 0466         Drum #466, S, brown liquid
X 0244         Drum #244, X, dirt & trash solids
X 0243         Drum #243, X, black powder
XXX 0489       Drum #489, XXX, dirt & trash
YO 0031        Drum #31, YO, yellow liquid
ZA 0030        Drum #30, ZA, liquid (black)
ZA 0117        Drum #117, ZA, dark brown (liquid)
ZA 0115        Drum #115, ZA, black liquid
ZB 0271        Drum #271, ZB, gray & brown solids
ZB 0268        Drum #268, ZB, brown sludge & water
ZB 0275        Drum #275, ZB, brown & gray solids
ZB 0257        Drum #257, ZB, water & trash
ZB 0276        Drum #276, ZB, black & brown sludge
ZB 0256        Drum #256, ZB, brown dirt
ZB 0258        Drum #258, ZB, trash (solids)
ZB 0280        Drum #280, ZB, red & pink solids
ZB 0270        Drum #270, ZB, gray & brown solids
ZB 0269        Drum #269, ZB, brown solid (dirt & water)
ZB 0299        Drum #299, ZB, wood & trash with dirt
ZB 0284        Drum #284, ZB, water & black sludge
ZB 0266        Drum #266, ZB, brown liquid
ZB 0283        Drum #283, ZB, brown & gray solids
ZB 0272        Drum #272, ZB, brown solids with water
ZB 0254        Drum #254, ZB, dry solids (brown)
ZB 0281        Drum #281, ZB, golden liquid with solids
ZB 0262        Drum #262, ZB, brown solids (sand)
ZB 0278        Drum #278, ZB, brown & gray solids

```


S S
I O
T R
E T
C
O 1
D
E

S
A
M
.
D
E
S
C

```

=====
ZB 0277 Drum #277, ZB, trash & sludge
ZB 0267 Drum #267, ZB, brown solids (sand)
ZB 0249 Drum #249, ZB, gray pellets & dirt
ZB 0264 Drum #264, ZB, brown sand solids
ZB 0292 Drum #292, ZB, liquid (black) and solids
ZB 0260 Drum #260, ZB, water & solids (brown)
ZB 0252 Drum #252, ZB, brown dirt sludge
ZB 0261 Drum #261, ZB, brown dirt solids
ZB 0251 Drum #251, ZB, brown sludge & water
ZB 0265 Drum #265, ZB, brown sand solids
ZB 0253 Drum #253, ZB, brown (solid)
ZBSS 0259 Drum #259, ZB sump sludge, brown solids
ZBSS 0250 Drum #250, ZB sump sludge, brown sludge & liquid
ZD 0273 Drum #273, ZD, golden liquid (oil)
ZD 0274 Drum #274, ZD, black & brown solids
ZE 0279 Drum #279, ZE, black (liquid)
ZF 0282 Drum #282, ZF, golden liquid (oil)
ZH 0297 Drum #297, ZH, golden liquid
ZI 0298 Drum #298, ZI, thick golden liquid
ZJ 0296 Drum #296, ZJ, clear crystals (rock salt)
ZK 0295 Drum #295, ZK, golden liquid (oil)
ZL 0289 Drum #289, ZL, red liquid
ZL 0294 Drum #294, ZL, black liquid
ZL23 0288 Drum #288, ZL23, dark liquid (oil)
ZM 0293 Drum #293, ZM, pink liquid
ZN 0287 Drum #287, ZN, golden liquid
ZOX 0384 Drum #384, ZOX, clear liquid
ZOX 0396 Drum #396, ZOX, brown dirty liquid
ZOX 0385 Drum #385, ZOX, clear
ZQ 0290 Drum #290, ZQ, gray powder solids
ZQ 0291 Drum #291, ZQ
ZT 0099 Drum #99, ZT, white powder & dirt
ZT 0255 Drum #255, ZT, black liquid (oil)
ZT 0096 Drum #96, ZT, dirt & debris
ZT 0100 Drum #100, ZT, brown grain sand
ZVcha 0102 Drum #102, ZV Char, thick carmel solid & liquid
ZVcha 0103 Drum #103, ZV Char, brown solid (dirt)
ZX 0095 Drum #95, ZX, dirt & debris
ZY 0098 Drum #98, ZY, dirt & debris
ZZ 0263 Drum #263, ZZ, clear liquid

```

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. 9K

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 9K-1</u>										
0311-0676-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0314-0679-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0309-0674-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE 9K-2</u>										
0312-0677-D-L	None	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0313-0678-D-L	None	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0310-0675-D-L	None	ND	0	3.0	ND	ND	Sludge	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. 15T

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 15T-1A</u>										
0076-0153-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0077-0154-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0075-0152-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0087-0213-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0088-0214-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0089-0220-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 15T-1B</u>										
0090-0221-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0079-0156-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0078-0155-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. 18W

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 18W-1</u>										
0387-0815-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0397-0825-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0414-0842-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0342-0738-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0331-0727-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0330-0726-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 18W-1A</u>										
0372-0788-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0343-0739-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0370-0786-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0360-0776-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 18W-1B</u>										
0373-0789-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0365-0781-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0371-0787-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0363-0779-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. 18W (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 18W-2</u>										
0405-0833-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0338-0734-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0354-0750-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0389-0817-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0332-0728-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0344-0740-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 18W-2A</u>										
0336-0732-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0374-0790-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0359-0775-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0340-0736-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0356-0772-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0355-0771-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 18W-2B</u>										
0358-0774-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0367-0783-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0369-0785-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0361-0777-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0339-0735-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0364-0780-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. 18W (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 18W-3</u>										
0329-0725-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0337-0733-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0335-0731-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>INDIVIDUAL</u>										
0388-0816-D-L	Moderate	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. 21Y

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1A</u>										
0128-0264-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0129-0265-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0130-0266-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0131-0267-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0132-0268-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0133-0269-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1B</u>										
0134-0270-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0135-0271-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0136-0272-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0137-0321-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0140-0324-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0141-0325-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1C</u>										
0142-0326-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0143-0327-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0144-0328-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0145-0329-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0146-0330-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0147-0331-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. 21Y (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1D</u>										
0148-0332-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0149-0333-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0151-0335-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0152-0336-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0153-0337-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0154-0338-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1E</u>										
0155-0339-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0156-0340-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0157-0341-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0158-0342-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0159-0343-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0160-0344-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1F</u>										
0161-0345-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0163-0347-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0165-0349-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0166-0350-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0167-0396-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0168-0397-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. 21Y (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1G</u>										
0169-0398-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0170-0399-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0171-0400-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0172-0401-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0175-0363-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0176-0346-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1H</u>										
0177-0365-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0178-0366-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0179-0367-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0180-0368-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0181-0369-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0182-0370-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1I</u>										
0187-0375-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0188-0376-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0189-0377-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0190-0378-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0193-0404-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0201-0465-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. 21Y (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1J</u>										
0202-0466-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0203-0467-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0204-0468-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0205-0469-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0210-0474-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0211-0475-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1K</u>										
0212-0476-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0213-0477-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0214-0478-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0217-0485-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0225-0497-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0415-0896-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1L</u>										
0419-0900-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0420-0901-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0421-0902-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0422-0903-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0423-0904-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0424-0905-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. 21Y (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 21Y-1M</u>										
0428-0911-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0429-0912-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0430-0913-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0431-0914-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0442-0929-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0443-0930-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE 21Y-1N</u>										
0444-0931-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0445-0932-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0451-0938-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0461-0951-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0465-0955-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>INDIVIDUALS</u>										
0426-0909-D-L	Moderate	ND	0	11.0	ND	ND	Sludge	DNI	>140	A
0174-0403-D-L	Moderate	ND	0	2.0	ND	ND	Liquid	IWH	125	NA

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. 22Z

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 22Z</u>										
0416-0897-D-L	Moderate	ND	0	11.0	ND	ND	Sludge	DNI	>140	A
0417-0898-D-L	Moderate	ND	0	11.0	ND	ND	Sludge	DNI	>140	A
<u>INDIVIDUALS</u>										
0418-0899-D-L	Moderate	ND	0	11.0	ND	ND	Solid	DNI	>140	A
0432-0915-D-L	Moderate	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0427-0910-D-L	Slight	ND	0	12.0	ND	ND	Liquid/Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. 23AA

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 23AA-1</u>										
0037-0088-D-L	Moderate	ND	0	11.0	ND	ND	Solid/Liquid	DNI	>140	A
0039-0090-D-L	Moderate	ND	0	10.0	ND	ND	Solid/Liquid	DNI	>140	A
0040-0091-D-L	Moderate	ND	0	10.0	ND	ND	Solid/Liquid	DNI	>140	A
0035-0086-D-L	Moderate	ND	0	10.0	ND	ND	Solid/Liquid	DNI	>140	A
<u>INDIVIDUAL</u>										
0038-0089-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. 400

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 400-A1</u>										
0049-0120-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0050-0121-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0051-0122-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0052-0123-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0043-0114-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0046-0117-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 400-A2</u>										
0047-0118-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0048-0119-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0042-0093-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0032-0082-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0034-0084-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0070-0141-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 400-A3</u>										
0071-0148-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0064-0135-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0065-0136-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0066-0137-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0067-0138-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0068-0139-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. 400 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE 400-A4</u>										
0069-0140-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0058-0129-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0059-0130-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0060-0131-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0061-0132-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0062-0133-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE 400-A5</u>										
0063-0134-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0053-0124-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0054-0125-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0055-0126-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0056-0127-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0057-0128-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
<u>COMPOSITE 400-A6</u>										
0082-0208-D-L		ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0083-0209-D-L		ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0084-0210-D-L		ND	0	6.0	ND	ND	Liquid	IWH	>140	A

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. 400 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0081-0207-D-L	None	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
<u>COMPOSITE 400PT</u>										
0033-0083-D-L	Slight	ND	0	6.0	ND	ND	Liquid	IWH	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. BB

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE BB-1</u>										
0233-0505-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0234-0506-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0235-0507-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0236-0508-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0238-0510-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0239-0511-D-L	Slight	ND	0	9.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE BB-2</u>										
0139-0323-D-L	Moderate	ND	0	9.0	ND	ND	Liquid	DNI	>140	A
0206-0470-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0221-0489-D-L	Moderate	ND	0	9.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE BB-3A</u>										
0207-0471-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0215-0483-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	A
0216-0484-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	A
0218-0486-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0219-0487-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	A
0197-0461-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. BB (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE BB-3B</u>										
0220-0488-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0222-0490-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0223-0491-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0224-0492-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0226-0498-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
0227-0499-D-L	Moderate	ND	0	10.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE BB-3C</u>										
0228-0500-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0229-0501-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0230-0502-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0231-0503-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0232-0504-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
0127-0263-D-L	Moderate	ND	0	9.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE BB-4</u>										
0237-0509-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	>140	A
0240-0512-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. BO

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE BO</u>										
0468-0958-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0469-0959-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0463-0953-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. CC

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP	OPEN CUP	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE						IGNIT-ABILITY	FLASH POINT	
0327-0723-D-L	None	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0318-0683-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P

INDIVIDUALS

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. CQ

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CQ-1A</u>										
0010-0010-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0011-0011-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0021-0064-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0022-0065-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0005-0005-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CQ-1B</u>										
0006-0006-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0007-0007-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0008-0008-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>INDIVIDUALS</u>										
0004-0004-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0016-0043-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0009-0009-D-L	None	ND	0	6.0	ND	ND	Solid	NA	NA	NA

(Sample 0009-0009-D-L was not included in any composite or tested for flammability or ignitability)

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. CX

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CX-1</u>										
0162-0346-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
0150-0334-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
0138-0322-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
<u>INDIVIDUAL</u>										
0110-0244-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. CX "5"

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CX "S"-1</u>										
0245-0517-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0248-0520-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CX "S"-2</u>										
0247-0519-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CX "S"-3</u>										
0246-0518-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. CY AND CYH20

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CY-1</u>										
0025-0068-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0026-0069-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0027-0077-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0015-0042-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0012-0012-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CY-2</u>										
0014-0041-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0018-0045-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0020-0047-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
0013-0040-D-L	Moderate	ND	0	1.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE CY-3</u>										
0028-0078-D-L	Moderate	ND	0	1.0	ND	ND	Solid/ Liquid	DNI	>140	P
0029-0079-D-L	Moderate	ND	0	1.0	ND	ND	Solid/ Liquid	DNI	>140	P
0019-0046-D-L	Moderate	ND	0	1.0	ND	ND	Solid/ Liquid	DNI	>140	P
0017-0044-D-L	Moderate	ND	0	1.0	ND	ND	Solid/ Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. CY and CYH20 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CY-4</u>										
0024-0067-D-L	Moderate	ND	0	1.0	ND	ND	Solid	IWH	130	P
<u>COMPOSITE CYH20</u>										
0094-0225-D-L	Moderate	ND	0	0.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. CZ AND CZH20

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE CZ-1A</u>										
0041-0092-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0107-0238-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0119-0255-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0122-0258-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0123-0259-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0113-0247-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
<u>COMPOSITE CZ-1B</u>										
0114-0248-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0118-0254-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0109-0243-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0111-0245-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
0112-0246-D-L	None	ND	0	2.0	ND	ND	Liquid	IWH	>140	P
<u>INDIVIDUAL</u>										
0173-0402-D-L	Moderate	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
<u>COMPOSITE CZH20</u>										
0124-0260-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. DD

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE DD-A-1</u>										
0449-0936-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0447-0934-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0448-0935-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0446-0933-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0454-0941-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0456-0946-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE DD-A-2</u>										
0450-0937-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0452-0939-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0453-0940-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0455-0945-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P
0460-0950-D-L	None	ND	0	2.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. NN

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE NN-A-1</u>										
0324-0689-D-L	None	ND	0	11.0	ND	ND	Solid	DNI	>140	A
0439-0926-D-L	None	ND	0	10.0	ND	ND	Solid	DNI	>140	A
0436-0923-D-L	None	ND	0	10.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE NN-B-1</u>										
0441-0928-D-L	None	ND	0	8.0	ND	ND	Solid	DNI	>140	P
0438-0925-D-L	None	ND	0	7.0	ND	ND	Solid	DNI	>140	P
0440-0927-D-L	None	ND	0	8.0	ND	ND	Solid	DNI	>140	P
0437-0924-D-L	None	ND	0	8.0	ND	ND	Solid	DNI	>140	P
0334-0730-D-L	None	ND	0	7.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE NN-C-1</u>										
0368-0784-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0366-0782-D-L	Complete	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE NN-D-1</u>										
0322-0687-D-L	Slight	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	P
0333-0729-D-L	Slight	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	P
<u>COMPOSITE NN-E-1</u>										
0325-0721-D-L	Moderate	ND	0	7.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. JJ

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE JJ-1</u>										
0308-0673-D-L	Moderate	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0352-0748-D-L	Moderate	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0435-0922-D-L	Moderate	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE JJ-2</u>										
0320-0685-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0345-0741-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0350-0746-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0408-0836-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0434-0917-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE JJ-3</u>										
0321-0686-D-L	Slight	ND	0	10.0	ND	ND	Sludge	DNI	>140	A
0323-0688-D-L	Slight	ND	0	10.0	ND	ND	Sludge	DNI	>140	A
0362-0722-D-L	Slight	ND	0	10.0	ND	ND	Sludge	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. JJ (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE JJ-4</u>										
0353-0749-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0357-0773-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0391-0819-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE JJ-5A</u>										
0390-0818-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0392-0820-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0393-0821-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0394-0822-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0395-0823-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0398-0826-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE JJ-5B</u>										
0399-0827-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0400-0828-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0401-0829-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0402-0830-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0404-0832-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0407-0835-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. JJ (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE JJ-5C</u>										
0409-0837-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0410-0838-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0411-0839-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0412-0840-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0413-0841-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>INDIVIDUALLY</u>										
0315-0680-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0316-0681-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0317-0682-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0346-0742-D-L	Moderate	ND	0	7.0	ND	ND	Sludge	DNI	>140	A
0345-0744-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	139	A
0351-0747-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. LL

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE LL-1</u>										
0349-0745-D-L	Slight	ND	0	3.0	ND	ND	Solid	DNI	>140	P
0341-0737-D-L	Slight	ND	0	3.0	ND	ND	Solid	DNI	>140	P
0036-0087-D-L	Slight	ND	0	3.0	ND	ND	Solid	DNI	>140	P
0085-0211-D-L	Slight	ND	0	3.0	ND	ND	Solid	DNI	>140	P
<u>INDIVIDUAL</u>										
0080-0157-D-L	None	ND	0	4.0	ND	ND	Solid/ Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. QQ

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE QQ-1</u>										
0183-0371-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0184-0372-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0198-0462-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0199-0463-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0200-0464-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0794-0405-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE QQ-2</u>										
0195-0459-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0196-0460-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0185-0373-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0186-0374-D-L	Moderate	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE QQ-3A</u>										
0209-0473-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0208-0472-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE QQ-3B</u>										
0191-0379-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0192-0380-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. PIT

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT-1</u>										
0304-0669-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0300-0665-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0302-0667-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0303-0668-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0319-0684-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0306-0671-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE PIT-2</u>										
0301-0666-D-L	Complete	ND	2	6.0	ND	ND	Liquid	DNI	>140	A
0305-0670-D-L	Complete	ND	1	6.0	ND	ND	Liquid	DNI	>140	A
<u>INDIVIDUALS</u>										
0499-1022-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	A
0307-0672-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0106-0237-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-A1</u>										
0512-1057-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0567-1170-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0569-1172-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0568-1171-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0564-1146-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0555-1137-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-A2</u>										
0532-1099-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0554-1136-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0556-1138-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0547-1129-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0548-1130-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0551-1133-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-A3</u>										
0549-1131-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0566-1169-D-L	Complete	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0561-1143-D-L	Complete	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0562-1144-D-L	Complete	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0563-1145-D-L	Complete to Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-B1</u>										
0510-1055-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0519-1066-D-L	Complete	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0570-1173-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0518-1065-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0565-1168-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
0560-1142-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-B2</u>										
0536-1103-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0540-1107-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0538-1105-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0528-1095-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0525-1092-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0533-1100-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-B3</u>										
0527-1094-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0471-0961-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0531-1098-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0474-0964-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0559-1141-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-C1</u>										
0541-1108-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0522-1069-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0523-1070-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0475-0998-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0502-1025-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0537-1104-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-C2</u>										
0506-1051-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0526-1093-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0520-1067-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0530-1097-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0545-1127-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0542-1109-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
<u>COMPOSITE PIT 3-C3</u>										
0529-1096-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0470-0960-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0550-1132-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0476-0999-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0479-1002-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0482-1005-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP ICNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3 - C4</u>										
0539-1106-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
	Moderate									
0524-1071-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	P
	Moderate									
<u>COMPOSITE PIT 3-D1</u>										
0503-1026-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0504-1027-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0513-1058-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0511-1056-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0509-1054-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0557-1139-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
<u>COMPOSITE PIT 3-D2</u>										
0543-1110-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0521-1068-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0501-1024-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0487-1010-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0508-1053-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P
0505-1050-D-L	Moderate	ND	0	4.0	ND	ND	Sludge	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-D3</u>										
0507-1052-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0517-1064-D-L	Moderate	ND	0	5.0	ND	ND	Sludge	DNI	>140	P
0515-1062-D-L	Moderate	ND	0	6.0	ND	ND	Sludge	DNI	>140	P
<u>COMPOSITE PIT 3-E1</u>										
0516-1063-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0558-1140-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0546-1128-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0544-1111-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0477-1000-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0488-1011-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE PIT 3-E2</u>										
0500-1023-D-L	Moderate	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0484-1007-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0514-1059-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE PIT 3-F1</u>										
0483-1006-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0478-1001-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0485-1008-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0486-1009-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. PIT 3 (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PIT 3-G1</u>										
0473-0963-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0472-0962-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
<u>INDIVIDUAL</u>										
0552-1134-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. PP

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PP-1</u>										
0492-1015-D-L	Moderate	ND	0	5.0	ND	ND	Liquid/ Sludge	IWH	>140	A
0480-1003-D-L	Moderate	ND	0	5.0	ND	ND	Liquid/ Sludge	IWH	>140	A
0493-1016-D-L	Moderate	ND	0	6.0	ND	ND	Liquid/ Sludge	IWH	>140	A
<u>COMPOSITE PP-2</u>										
0490-1013-D-L	Moderate	ND	3	6.0	ND	ND	Solid	DNI	>140	A
0097-0228-D-L	Moderate	ND	3	6.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE PP-3</u>										
0495-1018-D-L	Moderate	ND	6	6.0	ND	ND	Solid	IWH	>140	A
0494-1017-D-L	Moderate	ND	6	6.0	ND	ND	Solid	IWH	>140	A
0497-1020-D-L	Moderate	ND	6	6.0	ND	ND	Solid	IWH	>140	A
<u>COMPOSITE PP-4</u>										
0001-0001-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0002-0002-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0101-0232-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. PP (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE PP-5</u>										
0104-0235-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0242-0514-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
<u>COMPOSITE PP-6</u>										
0105-0236-D-L	Moderate	ND	3	6.0	ND	ND	Solid	DNI	>140	A
0106-0262-D-L	Moderate	ND	3	6.0	ND	ND	Solid	DNI	>140	A
<u>INDIVIDUAL</u>										
0491-1014-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. S

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE S-A-1</u>										
0462-0952-D-L	Slight	ND	0	3.0	ND	ND	Liquid	IWH	>140	P
0458-0948-D-L	Slight	ND	0	3.0	ND	ND	Liquid	IWH	>140	P
<u>COMPOSITE S-B-1</u>										
0459-0949-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE S-C-1</u>										
0466-0956-D-L	Slight	ND	0	5.0	ND	ND	Sludge	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. X

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN	OPEN	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE						CUP IGNIT- ABILITY	CUP FLASH POINT	
0243-0515-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0244-0516-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P

COMPOSITE X-A-1

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. ZA

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE ZA-A-1</u>										
0030-0080-D-L	Slight	ND	0	5.0	ND	ND	Liquid	DNI	>140	A
0115-0249-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0117-0253-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. ZB AND ZBSS

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>COMPOSITE ZBSS-1</u>										
0259-0567-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE ZBSS-2</u>										
0250-0522-D-L	Slight	ND	0	5.0	ND	ND	Solid/ Liquid	DNI	>140	P
<u>COMPOSITE ZB-A-1</u>										
0267-0575-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0269-0577-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0270-0578-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0261-0569-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0262-0570-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0264-0572-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE ZB-B-1</u>										
0265-0573-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0258-0566-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0253-0525-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0254-0526-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
<u>COMPOSITE ZB-C-1</u>										
0257-0565-D-L	Moderate	ND	0	6.0	ND	ND	Solid/ Liquid	DNI	>140	P
0260-0568-D-L	Moderate	ND	0	6.0	ND	ND	Solid/ Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

GROUP NO. ZB AND ZBSS (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
<u>INDIVIDUALS</u>										
0249-0521-D-L	None	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0276-0584-D-L	Slight	ND	0	4.0	ND	ND	Liquid	DNI	>140	P
0272-0580-D-L	Slight	ND	0	6.0	ND	ND	Solid/ Liquid	DNI	>140	P
0252-0524-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0256-0564-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0299-0664-D-L	Slight	ND	0	6.0	ND	ND	Solid	IWH	NA	P
0283-0591-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0268-0576-D-L	Slight	ND	0	6.0	ND	ND	Sludge	DNI	>140	P
0251-0523-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0275-0583-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0266-0574-D-L	Slight	ND	0	6.0	ND	ND	Solid/ Liquid	DNI	>140	P
0284-0592-D-L	Slight	ND	0	6.0	ND	ND	Liquid/ Sludge	DNI	>140	P
0280-0588-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0277-0585-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0278-0586-D-L	Slight	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0292-0630-D-L	Moderate	ND	0	5.0	ND	ND	Solid/ Liquid	DNI	>140	P
0271-0579-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	P
0281-0589-D-L	Moderate	ND	0	6.0	ND	ND	Solid/ Liquid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. ZL

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN	OPEN	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE						CUP IGNIT- ABILITY	CUP FLASH POINT	
0294-0632-D-L	Slight	ND	0	1.0	ND	ND	Liquid	DNI	>140	P
0298-0627-D-L	Slight	ND	0	1.0	ND	ND	Liquid	DNI	>140	P

COMPOSITE ZL

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

GROUP NO. ZOX

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP	OPEN CUP	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE						IGNIT-ABILITY	FLASH POINT	
<u>COMPOSITE ZOX-1</u>										
0384-0800-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0385-0813-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
<u>COMPOSITE ZOX-2</u>										
0396-0824-D-L	Slight	ND	0	10.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

INDIVIDUAL DRUMS

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0467-0957-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0496-1019-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0498-1021-D-L	Complete	ND	0	4.0	ND	ND	Solid/ Liquid	DNI	>140	P
0534-1101-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	P
0534-1102-D-L	Moderate	ND	0	5.0	ND	ND	Liquid	DNI	>140	A
0553-1135-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0375-0791-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0376-0792-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0377-0793-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0378-0794-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0379-0795-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0380-0796-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0381-0797-D-L	None	ND	0	3.0	ND	ND	Sludge	IWH	NA	A
0382-0798-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0383-0799-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0386-0814-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0403-0831-D-L	Complete	ND	0	10.0	ND	ND	Liquid	DNI	>140	A
0406-0834-D-L	Complete	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0425-0908-D-L	Slight	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0433-0916-D-L	Slight	ND	0	14.0	ND	ND	Sludge	DNI	>140	A
0464-0954-D-L	Complete	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0003-0003-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0044-0115-D-L	Slight	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0045-0116-D-L	Moderate	ND	0	6.0	ND	ND	Liquid	IWH	>140	A
0091-0222-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0092-0223-D-L	Moderate	ND	0	9.0	ND	ND	Sludge	DNI	>140	A
0093-0224-D-L	Moderate	ND	0	4.0	ND	ND	Liquid	DNI	>140	A
0108-0239-D-L	None	ND	0	3.0	ND	ND	Solid	DNI	>140	P

WASTE CHARACTERIZATION SUMMARY
DRUM SAMPLING PROGRAM

INDIVIDUAL DRUMS (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	pH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT- ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0121-0257-D-L	Moderate	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
0241-0513-D-L	Slight	ND	0	12.0	ND	ND	Solid	DNI	>140	A
0285-0623-D-L	Complete	ND	0	1.0	ND	ND	Liquid	DNI	>140	P
0286-0624-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0328-0724-D-L	Slight	ND	0	10.0	ND	ND	Solid/ Liquid	DNI	>140	A
0326-0778-D-L	Complete	ND	0	7.0	ND	ND	Liquid	DNI	>140	A
0031-0081-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0347-0743-D-L	Slight	ND	0	3.0	ND	ND	Liquid	IWH	>140	P
0125-0261-D-L	Complete	ND	0	11.0	ND	ND	Liquid	DNI	>140	A
0481-1004-D-L	Moderate	ND	0	5.0	ND	ND	Solid	DNI	>140	P
0255-0563-D-L	Complete	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0100-0231-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0096-0227-D-L	Moderate	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0099-0230-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0263-0517-D-L	Moderate	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0098-0229-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0288-0626-D-L	Slight	ND	0	1.0	ND	ND	Liquid	DNI	>140	P
0287-0625-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0295-0660-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0074-0151-D-L	Moderate	ND	0	8.0	ND	ND	Liquid	DNI	>140	A
0293-0631-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0120-0256-D-L	None	ND	2	6.0	ND	ND	Liquid	IWH	NA	A
0023-0066-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0489-1012-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	A
0279-0587-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0298-0663-D-L	None	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0164-0348-D-L	Moderate	ND	0	14.0	ND	ND	Liquid	DNI	>140	A
0273-0581-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A

WASTE CHARACTERIZATION SUMMARY
 DRUM SAMPLING PROGRAM

INDIVIDUAL DRUMS (Continued)

SAMPLE ID NUMBER	REACTIVITY (WATER)		PERCENT LEL	PH	OX	PEROXIDE	SAMPLE TYPE	OPEN CUP IGNIT-ABILITY	OPEN CUP FLASH POINT	HALOGENS
	SOLUBILITY	TEMPERATURE CHANGE								
0274-0582-D-L	Slight	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0296-0661-D-L	Slight	ND	0	6.0	ND	ND	Solid	DNI	>140	A
0297-0662-D-L	Complete	ND	0	0.0	ND	ND	Liquid	DNI	>140	P
0095-0226-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	>140	P
0102-0233-D-L	Slight	ND	0	7.0	ND	ND	Solid	IWH	>140	A
0103-0234-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	>140	P
0291-0629-D-L	Slight	ND	0	7.0	ND	ND	Liquid	IWH	>140	A
0290-0628-D-L	Slight	ND	0	7.0	ND	ND	Solid	DNI	>140	A
0116-0250-D-L	Slight	ND	0	7.0	ND	ND	Solid	IWH	>140	P
0282-0590-D-L	Slight	ND	0	6.0	ND	ND	Liquid	DNI	>140	A
0072-0149-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	>140	P
0073-0150-D-L	None	ND	0	4.0	ND	ND	Solid	DNI	NA	NA
0086-0212-D-L	None	ND	0	4.0	ND	ND	Solid	NA	NA	NA

APPENDIX
J

APPENDIX J

APPENDIX J
TABLE OF CONTENTS

	<u>PAGE</u>
FOOTNOTES TO QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULT TABLES	J-1
FIELD BLANKS PRIORITY POLLUTANT ANALYTICAL RESULTS	J-2
TRIP BLANKS PRIORITY POLLUTANT ANALYTICAL RESULTS	J-22
BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES PRIORITY POLLUTANT ANALYTICAL RESULTS	J-36
BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES PRIORITY POLLUTANT ANALYTICAL RESULTS	J-45
BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES PRIORITY POLLUTANT ANALYTICAL RESULTS - SEMI-QUANTITATIVE	J-54
SPIKE RECOVERY DATA	J-56
BLANK WATER SAMPLE PRIORITY POLLUTANT ANALYTICAL RESULTS	J-74
BLIND SAMPLE SPLIT: SOIL BORING #3 - 0 TO 6 INCHES PRIORITY POLLUTANT ANALYTICAL RESULTS	J-83
BLIND SAMPLE SPLIT: NEAR SURFACE SOIL - 0 TO 6 INCHES PRIORITY POLLUTANT ANALYTICAL RESULTS	J-93
BLIND SAMPLE SPLIT: WELL WATER PRIORITY POLLUTANT ANALYTICAL RESULTS	J-112
INTERLABORATORY SPLIT: SOIL PRIORITY POLLUTANT ANALYTICAL RESULTS	J-121
INTERLABORATORY SPLIT: WATER PRIORITY POLLUTANT ANALYTICAL RESULTS	J-130

FOOTNOTES TO:
Quantitative Priority Pollutant Analytical Results Tables

- ND:** analyzed for, but not detected at the method detection limit
- :** analysis not required
- *:** reported value is approximate, between method detection limit (DL) and quantitation limit (QL) - QL is 10 x DL
- **:** detected and quantitated by GC, but detected below GC/MS DL so identification not confirmed
- ***:** sample not amenable to analysis of this parameter by available methodology
- NA:** not analyzed; sample received broken

QUALITY CONTROL RESULTS: FIELD BLANKS FOR
EXTRACTABLE ORGANICS ANALYSIS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1603 10/16/84	C1774 10/23/84
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methyl- phenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2- methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR
EXTRACTABLE ORGANICS ANALYSIS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1603 10/16/84	C1774 10/23/84
<u>Base/Neutral/Acids (Continued)</u>			
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	44	12*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR
EXTRACTABLE ORGANICS ANALYSIS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>C1603 10/16/84</u>	<u>C1774 10/23/84</u>
<u>Base/Neutral/Acids (Continued)</u>			
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyl- amine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	2*
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR
EXTRACTABLE ORGANICS ANALYSIS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1603 10/16/84	C1774 10/23/84
<u>Base/Neutral/Acids (Continued)</u>			
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in µg/L)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND
50-29-3	4,4'-DDT	ND	0.3**
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR
EXTRACTABLE ORGANICS ANALYSIS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>C1603</u> <u>10/16/84</u>	<u>C1774</u> <u>10/23/84</u>
<u>Pesticides and PCBs (Continued)</u>			
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

QUALITY CONTROL RESULTS: FIELD BLANKS FOR
EXTRACTABLE ORGANICS ANALYSIS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1603 10/16/84	C1774 10/23/84
<u>Chlorinated Herbicides (Concentration Units are in µg/L)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	2.6	2.6
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND

D255D-QC-1-1 to 6

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0185 9/11/84	C0298 9/12/84	C0395 9/13/84	C0433 9/14/84	C0538 9/18/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0185 9/11/84	C0298 9/12/84	C0395 9/13/84	C0433 9/14/84	C0538 9/18/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	14	22	8*	17	27
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-FB-7-1 and 2						

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0596 9/19/84	C0615 9/20/84	C0699 9/20/84	C0708 9/21/84	C0761 9/22/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	4*
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0596 9/19/84	C0615 9/20/84	C0699 9/20/84	C0708 9/21/84	C0761 9/22/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	28	34	60	38	30
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	4*
108-88-3	Toluene	ND	ND	ND	ND	2*
79-01-6	Trichloroethene	ND	ND	ND	ND	5*
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	11*	31*	47*	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-FB-3-1 and 2						

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0804 9/24/84	C0858 9/25/84	C0920 9/27/84	C1061 9/28/84	C1117 10/1/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	33	61	42	40	38
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0804 9/24/84	C0858 9/25/84	C0920 9/27/84	C1061 9/28/84	C1117 10/1/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	22	17	14	14	93
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	7*	12	10	8*	9*
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-FB-4-1 and 2						

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1161 10/2/84	C1207 10/3/84	C1252 10/4/84	C1301 10/5/84	C1331 10/8/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro-ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro-ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	45	44	39	37	44
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro-ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro-propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro-propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1161 10/2/84	C1207 10/3/84	C1252 10/4/84	C1301 10/5/84	C1331 10/8/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	130	170	91	110	130
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	10	10	9*	8*	10
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-FB-5-1 and 2						

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1341 10/8/84	C1376 10/9/84	C1427 10/10/84	C1511 10/11/84	C1545 10/12/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	39	41	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1341 10/8/84	C1376 10/9/84	C1427 10/10/84	C1511 10/11/84	C1545 10/12/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	120	14	6*	7*	10
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	9*	9*	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	10*	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
<hr/> D255D-FB-6-1 and 2						

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1557 10/15/84	C1601 10/17/84	C1621 10/17/84	C1657 10/18/84	C1701 10/19/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	2*	1*	ND	45
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1557 10/15/84	C1601 10/17/84	C1621 10/17/84	C1657 10/18/84	C1701 10/19/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	13	12	9*	7*	5*
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	10
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-FB-1-1 and 2

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1730 10/22/84	C1772 10/23/84	C1783 10/24/84	C1793 10/24/84	C1842 11/16/84
<u>Volatile Organic Compounds (Concentration Units are in $\mu\text{g/L}$)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	55.	ND	ND	11.	5.*
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

FIELD BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1730 10/22/84	C1772 10/23/84	C1783 10/24/84	C1793 10/24/84	C1842 11/16/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	10.	9.*	9.*	7.*	30.
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	10.	ND	ND	3.*	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	1.*	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	27.*	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-FB-1 to FB-2

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0184 9/11/84	C0297 9/12/84	C0394 9/13/84	C0432 9/14/84	C0539 9/18/84
<u>Volatile Organic Compounds (Concentration Units are in $\mu\text{g/L}$)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	36	52	51	54	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0184 9/11/84	C0297 9/12/84	C0394 9/13/84	C0432 9/14/84	C0539 9/18/84
<u>Vaoltiles (Continued)</u>						
75-09-2	Methylene chloride	34	22	25	23	32
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	9*	13	13	14	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	1*	ND	1*	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	18*	15*	14*	10*	13*
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-FB-2-1 and 2

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0595 9/19/84	C0616 9/20/84	C0709 9/21/84	C0762 9/22/84	C0805 9/24/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0595 9/19/84	C0616 9/20/84	C0709 9/21/84	C0762 9/22/84	C0805 9/24/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	20	6*	19	22	18
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-TB-2-1 and 2

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0895 9/25/84	C0921 9/26/84	C0972 9/27/84	C1060 9/28/84	C1118 10/1/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C0895 9/25/84	C0921 9/26/84	C0972 9/27/84	C1060 9/28/84	C1118 10/1/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	17	12	12	5*	10
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-TB-3-1 and 2

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1162 10/2/84	C1208 10/3/84	C1253 10/4/84	C1302 10/5/84	C1332 10/8/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1162 10/2/84	C1208 10/3/84	C1253 10/4/84	C1302 10/5/84	C1332 10/8/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	8*	11	4*	7*	22
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D- TB-4-1 and 2						

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1342 10/8/84	C1377 10/9/84	C1428 10/10/84	C1512 10/11/84	C1546 10/12/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1342 10/8/84	C1377 10/9/84	C1428 10/10/84	C1512 10/11/84	C1546 10/12/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	7*	11	28	8*	8*
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	21*	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-TB-5-1 and 2						

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1558 10/15/84	C1602 10/17/84	C1622 10/17/84	C1658 10/18/84	C1702 10/19/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	1*	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1558 10/15/84	C1602 10/17/84	C1622 10/17/84	C1658 10/18/84	C1702 10/19/84
<u>Volatiles (Continued)</u>						
75-09-2	Methylene chloride	18	23	7*	5*	7*
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	ND	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND

D255D-TB-1-1 and 2

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1731 10/22/84	C1773 10/23/84	C1784 10/24/84	C1794 10/24/84	C1843 11/16/84
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>						
71-43-2	Benzene	ND	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND	ND
67-66-3	Chloroform	ND	ND	ND	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND	ND
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND	ND

TRIP BLANKS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	C1731 10/22/84	C1773 10/23/84	C1784 10/24/84	C1794 10/24/84	C1843 11/16/84
<u>Volatiles (Continued)</u>						
100-41-4	Ethylbenzene	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	10.	9.*	8.*	8.*	22.
74-87-3	Chloromethane	ND	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND	ND
67-64-1	Acetone	ND	78*	ND	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND	ND
519-78-6	2-Hexanone	ND	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND	ND
D255D-TB-1 and 2						

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	NA	ND (0.005 ppb)
	2,3,7,8-Tetrachloro- dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	2*	2*
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	41	51
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	2*	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds</u> (Concentration Units are in $\mu\text{g/L}$)			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

J-39

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	7*	8*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Di benzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Di benzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in μg/L)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	Y1362 Field Blank	Y1363 Trip Blank
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	0.1**
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	1.5**	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1362 Field Blank	Y1363 Trip Blank
<u>Chlorinated Herbicides (Concentration Units are in µg/L)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Di camba	ND	ND
7085-19-0	MCPPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	18	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	<0.001	<0.001
	Arsenic	0.002	0.002
	Beryllium	<0.002	<0.002
	Cadmium	<0.001	<0.001
	Chromium	<0.01	<0.01
	Copper	<0.002	<0.002
	Lead	<0.01	<0.01
	Mercury	<0.001	<0.001
	Nickel	<0.01	<0.01
	Selenium	<0.001	<0.001

BLANKS ASSOCIATED WITH 10/9/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1362 Field Blank</u>	<u>Y1363 Trip Blank</u>
	Silver	<0.002	<0.002
	Thallium	<0.02	<0.02
	Zinc	<0.001	<0.001
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	<0.01	<0.01
	Total Phenols	<0.01	0.21

D255C-PRS-24.1 to 24.9

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
1746-01-6	2,3,7,8-Tetrachloro- dibenzo-p-dioxin	ND (0.003 ppb)	ND (0.005 ppb)
	2,3,7,8-Tetrachloro- dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p- dioxin	-	-

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

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

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

J-46

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	5*	9*
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methyl- phenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	ND	ND
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2- methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	88*	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in $\mu\text{g/L}$)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	ND
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	ND	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1815 Field Blank	Y1816 Trip Blank
<u>Chlorinated Herbicides (Concentration Units are in µg/L)</u>			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	4.4	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	<0.001	<0.001
	Arsenic	<0.001	<0.001
	Beryllium	<0.002	<0.002
	Cadmium	<0.001	<0.001
	Chromium	<0.01	<0.01
	Copper	<0.002	<0.002
	Lead	<0.01	<0.01
	Mercury	<0.001	<0.001
	Nickel	<0.01	<0.01
	Selenium	<0.001	<0.001

BLANKS ASSOCIATED WITH 10/30/84 WELL/RIVER SAMPLES
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1815 Field Blank</u>	<u>Y1816 Trip Blank</u>
<u>Metals (Continued)</u>			
	Silver	<0.002	<0.002
	Thallium	<0.02	<0.02
	Zinc	<0.005	<0.005
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	<0.01	0.01
	Total Phenols	<0.01	0.02

D255D-BA-1 to 9



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

0-8-0-0204-300-M-Y, Station 0-8-0, (0-12"), 10:40 am

	Analyst	Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	0.6	2.	2.6	2.6	100
Arsenic	JLF/KSW	23.	50.	73.	59.3	81
Beryllium	SCD	0.55	5.	5.55	5.5	99
Cadmium	SCD	9.6	4.9	14.5	14.9	103
Chromium	SCD	370.	1195.	1565.	1400.	89
Copper	SCD	320.	293.	613.	695.	113
Lead	KSW	420.	400.	820.	859.	105
Mercury	SCD	11.	8.	19.	19.	100
Nickel	SCD	70.	50.	120.	142.	118
Selenium	JLF	<2.	40.	40.	56.	140
Silver	SCD	6.5	10.	16.5	16.3	99
Thallium	JLF	<2.	100.	100.	108.	108
Zinc	KSW	920.	188.	1108.	1030.	93

Valid until superseded before month 11th
December, 1984
Expires December 16, 1987

[Signature]
Nancy Dunn

[Signature]
Approved by
Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical
and metallurgical fields in the current AALA Directory of Accredited Laboratories



IT CORPORATION

IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

0-9-0-0299-300-M-Y, Station 0-9-0,
(0-12") 2:14 pm

	<u>Analyst</u>	<u>Reported Value</u>	<u>Blind Split</u>
Antimony	KSW	1.0	0.5
Arsenic	JLF/KSW	37.	14.
Beryllium	SCD	0.68	0.60
Cadmium	SCD	12.0	12.8
Chromium	SCD	450.	438.
Copper	SCD	430.	468.
Lead	KSW	560.	540.
Mercury	SCD	14.	9.6
Nickel	SCD	80.	93.
Selenium	JLF	<2.	1.
Silver	SCD	7.8	7.8
Thallium	JLF	<2.	<2.
Zinc	KSW	1300.	1200.

Contract is suspended before month 11th
December, 1984

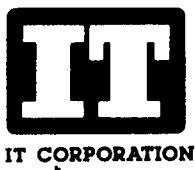
Month of extension December 16, 1987

[Signature]
Notary Public

[Signature]
Approved by: _____
Laboratory Manager
Title: _____

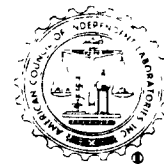


Member of the American Association for Laboratory Accreditation in the chemical and allied fields listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
 ATTN: Carol Colclough
 312 Directors Drive
 Knoxville, TN 37923

DATE REPORTED December 11, 1984
 PROJECT CODE ITEK 19113
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

I-5-A-1047-109-S-Y

		Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	0.1	0.4	0.5	0.6	120
Arsenic	JLF/KSW	5.7	10.	15.7	14.	89
Beryllium	SCD	<0.1	5.	5.	4.7	94
Cadmium	SCD	0.1	4.9	5.0	4.7	94
Chromium	SCD	10.	47.8	57.8	55.	95
Copper	SCD	24.	11.7	35.7	38.3	107
Lead	KSW	260.	398.	658.	656.	100
Mercury	SCD	0.2	0.4	0.6	0.5	83
Nickel	SCD	7.6	50.	57.6	69.	120
Selenium	JLF	<0.6	40.	40.	35.	88
Silver	SCD	<0.2	10.	10.	9.4	94
Thallium	JLF	<2.	100.	100.	122.	122
Zinc	KSW	45.	188.	233.	247.	106

This certificate is subscribed before me this 11th
 day of December, 1984
 My commission expires December 16, 1987

[Signature]
 Notary Public

[Signature]
 Approve by _____
 Laboratory Manager



Member of the American Association for Laboratory Accreditation in the chemical
 industry. Listings shown in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615 588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
 ATTN: Carol Colclough
 312 Directors Drive
 Knoxville, TN 37923

DATE REPORTED December 11, 1984
 PROJECT CODE ITEK 19113
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

B-2-M-1344-100-S-Y						
Analyst		Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	0.7	2.0	2.7	4.0	148
Arsenic	JLF/KSW	3.0	10.	13.	15.6	120
Beryllium	SCD	<0.1	5.	5.	5.0	100
Cadmium	SCD	0.3	4.9	5.2	4.7	90
Chromium	SCD	22.	47.8	69.8	64.	92
Copper	SCD	66.	293.	359.	344.	96
Lead	KSW	200.	398.	598.	610.	102
Mercury	SCD	7.8	8.	15.8	20.9	132
Nickel	SCD	27.	50.	77.	83.	108
Selenium	JLF	<0.5*	40.	40.	35.	88
Silver	SCD	<0.2	10.	10.	10.	100
Thallium	JLF	<2.	100.	100.	107.	107
Zinc	KSW	190.	188.	378.	456.	121

* Detection limit higher than normal due to sample matrix interference

This certificate is subscribed before me this 11th
 day of December, 1984
 My commission expires December 16, 1987

Notary Public

Approved by _____
 Title Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical
 and testing as listed in the current AALA Directory of Accredited Laboratories



IT CORPORATION

IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

F-7-B-760-109-S-Y

		Amount Analyzed	Amount	Total Amount in	Amount	%
Analyst	in Sample or Blank +	Added	=	Sample + Spike	Recovered	Recovery
Antimony	KSW	0.8	2.0	2.8	2.9	104
Arsenic	JLF/KSW	17.	50.	67.	69.4	104
Beryllium	SCD	1.4	5.	6.4	6.7	105
Cadmium	SCD	3.0	4.9	7.9	8.2	104
Chromium	SCD	17.	47.8	64.8	55.	85
Copper	SCD	300.	293.	593.	603.	102
Lead	KSW	470.	398.	868.	996.	115
Mercury	SCD	6.4	8.	14.4	10.	69
Nickel	SCD	66.	50.	116.	136.	117
Selenium	JLF	2.5	40.	42.5	36.	85
Silver	SCD	0.5	10.	10.5	9.5	90
Thallium	JLF	<2.	100.	100.	102.	102
Zinc	KSW	870.	188.	1058.	1180.	105

Given, read and subscribed before me this 11th day of December, 1984 at Knoxville, Tennessee My commission expires December 16, 1987

Notary Public

Approved by _____
Laboratory Manager
Title _____

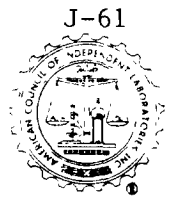


Accredited by the American Association for Laboratory Accreditation in the chemical field. This firm is listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

G-5-F-1450-102-S-Y						
Analyst	Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery	
Antimony	KSW	0.22	0.4	0.62	0.7	113
Arsenic	JLF/KSW	2.5	10.	12.5	15.1	121
Beryllium	SCD	<0.2	5.	5.	5.4	108
Cadmium	SCD	0.31	4.9	5.21	4.6	88
Chromium	SCD	10.	47.8	57.8	63.7	110
Copper	SCD	40.	46.8	86.8	90.4	104
Lead	KSW	37.	46.	83.	97.1	117
Mercury	SCD	3.0	4.	7.	8.	114
Nickel	SCD	20.	50.	70.	79.	113
Selenium	JLF	<0.3	40.	40.	39.	98
Silver	SCD	11.	10.	21.	24.	114
Thallium	JLF	<2.	100.	100.	102.	102
Zinc	KSW	88.	188.	276.	286.	104

This certificate is void unless signed before me this 11th

December, 1984

My commission expires December 16, 1987

[Signature]
Notary Public

[Signature]
Approved by _____
Laboratory Manager
Title _____



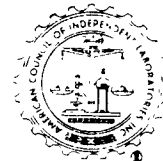
Accredited by the American Association for Laboratory Accreditation in the chemical and physical analysis listed in the current AALA Directory of Accredited Laboratories



IT CORPORATION

IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
 ATTN: Carol Colclough
 312 Directors Drive
 Knoxville, TN 37923

DATE REPORTED December 11, 1984
 PROJECT CODE ITEK 19113
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are µg/gram (ppm)

G-3-I-1578-102-S-Y

	Analyst	Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	<0.1	1.0	1.0	0.4	40
Arsenic	JLF/KSW	1.8	4.0	5.8	5.4	93
Beryllium	SCD	0.60	5.0	5.6	5.2	93
Cadmium	SCD	<0.1	4.9	4.9	4.6	94
Chromium	SCD	3.9	47.8	51.7	48.	93
Copper	SCD	4.1	11.7	15.8	15.	95
Lead	KSW	2.1	5.0	7.1	6.8	96
Mercury	SCD	<0.1	0.4	0.4	0.6	150
Nickel	SCD	8.0	50.	58.	64.	110
Selenium	JLF	<0.1	40.	40.	29.	73
Silver	SCD	<0.2	10.	10.	9.5	95
Thallium	JLF	<2.	100.	100.	98.	98
Zinc	KSW	38.	188.	226.	218.	96

Witnessed before me this 11th

December, 1984

Witnessed before me this 16th

December, 1987

[Signature]
 Notary Public

[Signature]
 Approved by
 Laboratory Manager
 Title



Accredited by the American Association for Laboratory Accreditation in the chemical and physical sciences listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

calc 12/11/84
~~I-7-K~~
~~I-5-A-1047-109-S-Y~~

	Analyst	Reported Value	Blind Split
Antimony	KSW	0.1	0.1
Arsenic	JLF/KSW	5.7	6.7
Beryllium	SCD	<0.1	<0.1
Cadmium	SCD	0.1	<0.1
Chromium	SCD	10.	7.4
Copper	SCD	24.	17.
Lead	KSW	260.	180.
Mercury	SCD	0.2	<0.1
Nickel	SCD	7.6	4.3
Selenium	JLF	<0.6*	<0.4*
Silver	SCD	<0.2	<0.2
Thallium	JLF	<2.	<2.
Zinc	KSW	45.	42.
Cyanide	KLD	0.10	0.10
Phenols	DFW	7.9	7.8

* = Higher detection limit due to matrix interference.

Results were checked before me this 11th day of December, 1984
My commission expires December 16, 1987

[Signature]
Notary Public

[Signature]
Approval
Laboratory Manager
Title



Accredited by the American Association for Laboratory Accreditation in the chemical industry as listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

G-5-F-1448-100-S-Y			
	<u>Analyst</u>	<u>Reported Value</u>	<u>Blind Split</u>
Antimony	KSW	0.67	0.80
Arsenic	JLF/KSW	4.2	4.0
Beryllium	SCD	0.32	0.40
Cadmium	SCD	0.41	0.30
Chromium	SCD	43.	47.
Copper	SCD	105.	116.
Lead	KSW	193.	215.
Mercury	SCD	4.3	4.4
Nickel	SCD	26.	29.
Selenium	JLF	<0.3*	<1.*
Silver	SCD	<0.2	<0.2
Thallium	JLF	<2.	<2.
Zinc	KSW	280.	252.

* Detection limit higher than normal due to sample matrix interferences

I, _____, do hereby certify that this report was prepared before me this 11th

December, 1984

My commission expires December 16, 1987

Notary Public

Laboratory Manager

TDE



American Association for Laboratory Accreditation in the Chemical Industry
The following is listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
 ATTN: Carol Colclough
 312 Directors Drive
 Knoxville, TN 37923

DATE REPORTED December 11, 1984
 PROJECT CODE ITEK 19113
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

G-3-I-1576-100-S-Y			
	<u>Analyst</u>	<u>Reported Value</u>	<u>Blind Split</u>
Antimony	KSW	<0.1	<0.1
Arsenic	JLF/KSW	2.5	2.0
Beryllium	SCD	0.6	0.6
Cadmium	SCD	<0.1	<0.1
Chromium	SCD	5.6	6.8
Copper	SCD	10.	12.
Lead	KSW	11.	11.
Mercury	SCD	<0.1	0.1
Nickel	SCD	12.	14.
Selenium	JLF	<0.2*	<1.*
Silver	SCD	<0.2	<0.2
Thallium	JLF	<2.	<2.
Zinc	KSW	89.	80.

* Detection limit higher than normal due to sample matrix interferences

Not valid if a subpoenaed before me this 11th

of December, 1984

Not valid if a subpoenaed before me this December 16, 1987

[Signature]
 Notary Public

[Signature]
 Approved by _____
 Laboratory Manager
 Title _____



Accredited by the American Association for Laboratory Accreditation in the chemical field as listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

	Analyst	E-1-G-1401-100-S-Y	
		Reported Value	Blind Split
Antimony	KSW	0.20	0.35
Arsenic	JLF/KSW	1.4	1.2
Beryllium	SCD	<0.1	<0.1
Cadmium	SCD	3.9	4.6
Chromium	SCD	15.	16.
Copper	SCD	41.	46.
Lead	KSW	54.	65.
Mercury	SCD	14.	8.9
Nickel	SCD	15.	21.
Selenium	JLF	<0.4*	<1.*
Silver	SCD	<0.2	<0.2
Thallium	JLF	<2.	<2.
Zinc	KSW	170.	131.

* Detection limit higher than normal due to sample matrix interferences

Notary Public
I have signed and sealed before me this 11th
December, 1984.
December 16, 1987

Approved by _____
Laboratory Manager
Title _____



Member of the Analytical Association for Laboratory Accreditation in the chemical and physical sciences. Listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are µg/gram (ppm)

	Analyst	F-7-B-760-109-S-Y	
		Reported Value	Blind Split
Antimony	KSW	0.8	1.0
Arsenic	JLF/KSW	17.	31.
Beryllium	SCD	1.4	1.8
Cadmium	SCD	3.0	4.4
Chromium	SCD	17.	21.
Copper	SCD	300.	630.
Lead	KSW	470.	770.
Mercury	SCD	6.4	6.3
Nickel	SCD	66.	100.
Selenium	JLF	2.5	<0.4
Silver	SCD	0.5	0.4
Thallium	JLF	<2.	<2.
Zinc	KSW	870.	1200.
Cyanide	KLD	0.35	0.55
Phenols	DFW	36.	95.

Subscribed before me this 11th

December, 1984

My commission expires December 16, 1987

[Signature]
Notary Public

[Signature]

Approved by

Laboratory Manager

Title



Accredited by the American Association for Laboratory Accreditation in the chemical and metallurgical fields. Listed in the current AALA Directory of Accredited Laboratories



IT CORPORATION

IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are mg/liter (ppm)

I-5-A
ca 12/13/84
~~I-7-K~~-1808-290-H-Y

		Amount Analyzed in Sample or Blank +	Amount Added	Total Amount in Sample + Spike	Amount Recovered	% Recovery
Antimony	KSW	0.015	0.02	0.035	0.046	131
Arsenic	JLF/KSW	0.261	0.50	0.761	1.23	162
Beryllium	SCD	0.010	0.05	0.060	0.061	102
Cadmium	SCD	0.006	0.049	0.055	0.047	85
Chromium	SCD	1.1	0.956	2.056	1.83	89
Copper	SCD	2.9	2.93	5.83	5.23	90
Lead	KSW	3.6	3.98	7.58	7.81	103
Mercury	SCD	0.035	0.10	0.135	0.146	108
Nickel	SCD	0.42	0.50	0.92	0.90	98
Selenium	JLF	<0.005	0.40	0.40	0.343	86
Silver	SCD	0.007	0.10	0.107	0.107	100
Thallium	JLF	<0.02	1.0	1.0	1.0	100
Zinc	KSW	9.0	1.88	10.88	11.8	108

... 11th
December, 1984
December 16, 1987
[Signature]

[Signature]
Approved
Laboratory Manager

Accredited by the American Association for Laboratory Accreditation in the chemical... listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
 ATTN: Carol Colclough
 312 Directors Drive
 Knoxville, TN 37923

DATE REPORTED December 11, 1984
 PROJECT CODE ITEK 19113
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Spike Recovery Data

Concentration units are mg/liter (ppm)

I-2-L-1371-290-H-Y						
		Amount Analyzed	Amount	Total Amount in	Amount	%
	Analyst	in Sample or Blank +	Added	Sample + Spike	Recovered	Recovery
Antimony	KSW	0.011	0.02	0.031	0.026	84
Arsenic	JLF/KSW	0.052	0.100	0.152	0.200	132
Beryllium	SCD	0.004	0.05	0.054	0.063	117
Cadmium	SCD	0.006	0.049	0.055	0.057	104
Chromium	SCD	0.38	0.478	0.858	0.82	96
Copper	SCD	0.59	1.17	1.76	1.86	106
Lead	KSW	3.2	3.98	7.18	7.43	103
Mercury	SCD	0.039	0.10	0.139	0.136	98
Nickel	SCD	0.13	0.50	0.63	0.70	111
Selenium	JLF	<0.02*	0.40	0.40	0.323	81
Silver	SCD	0.003	0.10	0.103	0.106	103
Thallium	JLF	<0.02	1.0	1.0	0.95	95
Zinc	KSW	2.4	1.88	4.28	4.64	108

* Detection limit higher than normal due to sample matrix interference

Notary Public subscribed before me this 11th day of December, 1984

My commission expires December 16, 1987

[Signature]
 Notary Public

[Signature]
 Approved by _____
 Laboratory Manager
 Title _____



Accredited by the American Association for Laboratory Accreditation in the chemical field as listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are mg/liter (ppm)

	Analyst	F-7-B-1358-290-H-Y	
		Reported Value	Blind Split
Antimony	KSW	0.151	0.014
Arsenic	JLF/KSW	0.130	0.407
Beryllium	SCD	0.008	0.006
Cadmium	SCD	0.007	0.005
Chromium	SCD	0.02	0.13
Copper	SCD	0.98	1.28
Lead	KSW	2.4	2.7
Mercury	SCD	0.012	0.012
Nickel	SCD	0.30	0.32
Selenium	JLF	<0.02*	0.015
Silver	SCD	<0.002	<0.002
Thallium	JLF	<0.02	<0.02
Zinc	KSW	1.18	1.51

* Detection limit higher than normal due to sample matrix interferences

Witnessed and subscribed before me this 11th day of December, 1984
My commission expires December 16, 1987

Notary Public

Approved by _____
Laboratory Manager
Title _____



Accredited by the American Association for Laboratory Accreditation in the chemical and physical testing as listed in the current AALA Directory of Accredited Laboratories



IT CORPORATION

IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
 ATTN: Carol Colclough
 312 Directors Drive
 Knoxville, TN 37923

DATE REPORTED December 11, 1984
 PROJECT CODE ITEK 19113
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Blind Sample Splits

Concentration units are mg/liter (ppm)

	Analyst	I-2-L-1806-290-H-Y	
		Reported Value	Blind Split
Antimony	KSW	0.012	0.004
Arsenic	JLF/KSW	0.236	0.164
Beryllium	SCD	0.009	0.007
Cadmium	SCD	0.018	0.017
Chromium	SCD	0.91	0.91
Copper	SCD	2.1	2.2
Lead	KSW	4.0	4.9
Mercury	SCD	0.066	0.266
Nickel	SCD	0.36	0.31
Selenium	JLF	<0.004*	<0.004*
Silver	SCD	0.015	0.018
Thallium	JLF	<0.02	<0.02
Zinc	KSW	5.6	5.5

* Detection limit higher than normal due to sample matrix interferences

Order to be subscribed before me this 11th

December, 1984

My commission expires December 16, 1987

[Signature]
 Notary Public

[Signature]
 Approved by _____
 Title Laboratory Manager



Accredited by the American Association for Laboratory Accreditation in the chemical testing as listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615-588-6401



CERTIFICATE OF ANALYSIS

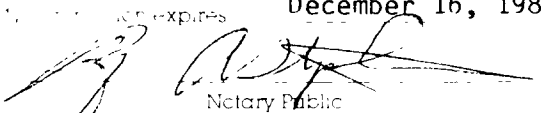
TO IT Corporation
 ATTN: Carol Colclough
 312 Directors Drive
 Knoxville, TN 37923


DATE REPORTED December 11, 1984
 PROJECT CODE ITEK 19113
 ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Prep Blanks

Concentration units are mg/liter (ppm)

	<u>Analyst</u>	<u>PB 1</u>	<u>PB 2</u>	<u>PB 3</u>
Antimony	KSW	<0.001	<0.001	0.001
Arsenic	JLF/KSW	<0.001	0.004	<0.001
Beryllium	SCD	<0.001	<0.001	<0.001
Cadmium	SCD	<0.001	<0.001	<0.001
Chromium	SCD	<0.01	<0.01	0.02
Copper	SCD	<0.002	<0.002	<0.002
Lead	KSW	<0.01	<0.01	<0.01
Mercury	SCD	<0.001	<0.001	<0.001
Nickel	SCD	<0.01	<0.01	<0.01
Selenium	JLF	<0.001	0.001	<0.001
Silver	SCD	<0.002	<0.002	<0.002
Thallium	JLF	<0.02	<0.02	<0.02
Zinc	KSW	0.029	0.026	0.087
Cyanide	KLD	<0.01	<0.01	<0.01
Phenol	DFW	<0.01	<0.01	<0.01

Subscribed before me this 11th day of December, 1984
 My commission expires December 16, 1987

 Notary Public



 Laboratory Manager
 Title



Accredited by the American Association for Laboratory Accreditation in the chemical and metallurgical testing fields listed in the current AALA Directory of Accredited Laboratories



IT ANALYTICAL SERVICES

5815 Middlebrook Pike • Knoxville Tennessee 37921 • 615 588-6401



CERTIFICATE OF ANALYSIS

TO IT Corporation
ATTN: Carol Colclough
312 Directors Drive
Knoxville, TN 37923

DATE REPORTED December 11, 1984
PROJECT CODE ITEK 19113
ORDER NUMBER 8545.55

Sample Description: Quality Assurance Data -- Prep Blanks

Concentration units are mg/liter (ppm)

	<u>Analyst</u>	<u>PB 4</u>	<u>PB 5</u>	<u>PB 6</u>	<u>PB 7</u>
Antimony	KSW	<0.001	<0.001	<0.001	<0.001
Arsenic	JLF/KSW	<0.001	<0.001	<0.001	<0.001
Beryllium	SCD	<0.001	<0.001	<0.001	<0.001
Cadmium	SCD	<0.001	<0.001	<0.001	<0.001
Chromium	SCD	<0.01	<0.01	<0.01	<0.01
Copper	SCD	0.006	0.006	0.005	<0.002
Lead	KSW	<0.01	0.02	<0.01	<0.01
Mercury	SCD	<0.001	<0.001	<0.001	<0.001
Nickel	SCD	<0.01	<0.01	<0.01	<0.01
Selenium	JLF	0.001	0.001	0.002	0.001
Silver	SCD	<0.002	<0.002	<0.002	<0.002
Thallium	JLF	<0.02	<0.02	<0.02	<0.02
Zinc	KSW	0.009	0.016	0.017	0.004

Sworn to and subscribed before me this 11th

December, 1984

My commission expires December 16, 1987

Notary Public

Approved by

Laboratory Manager

Title



Accredited by the American Association for Laboratory Accreditation in the chemical and physical testing as listed in the current AALA Directory of Accredited Laboratories

PROGRAM QC RESULTS: BLANK WATER SAMPLE
 QUANTITATIVE PRIORITY POLLUTANT
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	ND (0.002 ppb)
	2,3,7,8-Tetrachloro-dibenzofuran	-
3268-87-9	Octachlorodibenzo-p-dioxin	-

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

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

PROGRAM QC RESULTS: BLANK WATER SAMPLE
QUANTITATIVE PRIORITY POLLUTANT
ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Volatiles (Continued)</u>		
78-87-5	1,2-Dichloropropane	ND
10061-02-6	trans-1,3-Dichloro- propene	ND
10061-01-5	cis-1,3-Dichloro- propene	ND
100-41-4	Ethylbenzene	ND
75-09-2	Methylene chloride	19
74-87-3	Chloromethane	ND
74-83-9	Bromomethane	ND
75-25-2	Bromoform	ND
75-27-4	Bromodichloromethane	ND
75-69-4	Trichlorofluoro- methane	ND
75-71-8	Dichlorodifluoro- methane	ND
124-48-1	Chlorodibromomethane	ND
127-18-4	Tetrachloroethene	ND
108-88-3	Toluene	ND
79-01-6	Trichloroethene	ND
75-01-4	Vinyl chloride	ND
67-64-1	Acetone	ND
78-93-3	2-Butanone	ND
75-15-0	Carbon disulfide	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE
 QUANTITATIVE PRIORITY POLLUTANT
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Volatiles (Continued)</u>		
519-78-6	2-Hexanone	ND
108-10-1	4-Methyl-2-pentanone	ND
100-42-5	Styrene	ND
108-05-4	Vinyl acetate	ND
95-47-6	Total Xylenes	ND
<u>Base/Neutral and Acid Organic Compounds</u> (Concentration Units are in $\mu\text{g/L}$)		
88-06-2	2,4,6-Trichlorophenol	ND
59-50-7	4-Chloro-3-methyl-phenol	ND
95-57-8	2-Chlorophenol	ND
120-33-2	2,4-Dichlorophenol	ND
105-67-9	2,4-Dimethylphenol	ND
88-75-5	2-Nitrophenol	ND
100-02-7	4-Nitrophenol	ND
51-28-5	2,4-Dinitrophenol	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND
87-86-5	Pentachlorophenol	ND
108-95-2	Phenol	ND
65-85-0	Benzoic acid	ND
95-48-7	2-Methylphenol	ND
108-39-4	4-Methylphenol	ND
95-95-4	2,4,5-Trichlorophenol	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE
 QUANTITATIVE PRIORITY POLLUTANT
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Base/Neutral/Acids (Continued)</u>		
83-32-9	Acenaphthene	ND
92-87-5	Benzidine	ND
120-82-1	1,2,4-Trichlorobenzene	ND
118-74-1	Hexachlorobenzene	ND
67-72-1	Hexachloroethane	ND
111-44-4	Bis(2-chloroethyl) ether	ND
91-58-7	2-Chloronaphthalene	ND
95-50-1	1,2-Dichlorobenzene	ND
541-73-1	1,3-Dichlorobenzene	ND
106-46-7	1,4-Dichlorobenzene	ND
91-94-1	3,3'-Dichlorobenzidine	ND
121-14-2	2,4-Dinitrotoluene	ND
606-20-2	2,6-Dinitrotoluene	ND
122-66-7	1,2-Diphenylhydrazine	ND
206-44-0	Fluoranthene	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND
101-55-3	4-Bromophenyl phenyl ether	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND
111-91-1	Bis(2-chloroethoxy) methane	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE
 QUANTITATIVE PRIORITY POLLUTANT
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Base/Neutral/Acids (Continued)</u>		
87-68-3	Hexachlorobutadiene	ND
77-47-4	Hexachlorocyclo- pentadiene	ND
78-59-1	Isophorone	ND
91-20-3	Naphthalene	ND
98-95-3	Nitrobenzene	ND
62-75-9	N-nitrosodimethyl- amine	ND
86-30-6	N-nitrosodiphenylamine	ND
621-64-7	N-nitrosodipropyla- mine	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND
85-68-7	Butyl benzyl phthalate	ND
84-74-2	Di-N-butyl phthalate	ND
117-84-0	Di-N-octyl phthalate	ND
84-66-2	Diethyl phthalate	ND
131-11-3	Dimethyl phthalate	ND
56-55-3	Benzo(A)anthracene	ND
50-32-8	Benzo(A)pyrene	ND
205-99-2	Benzo(B)fluor- anthene	ND
207-08-9	Benzo(K)fluoranthene	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE
 QUANTITATIVE PRIORITY POLLUTANT
 ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Base/Neutral/Acids (Continued)</u>		
218-01-9	Chrysene	ND
208-96-8	Acenaphthylene	ND
120-12-7	Anthracene	ND
191-24-2	Benzo(GHI)perylene	ND
86-73-7	Fluorene	ND
85-01-	Phenanthrene	ND
53-70-3	Dibenzo(A,H) anthracene	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND
129-00-0	Pyrene	ND
62-53-3	Aniline	ND
100-51-6	Benzyl alcohol	ND
106-47-8	4-Chloroaniline	ND
132-64-9	Dibenzofuran	ND
91-57-6	2-Methylnaphthalene	ND
88-74-4	2-Nitroaniline	ND
99-09-2	3-Nitroaniline	ND
100-01-6	4-Nitroaniline	ND
<u>Pesticides and PCBs (Concentration Units are in µg/L)</u>		
309-00-2	Aldrin	ND
60-57-1	Dieldrin	ND
57-74-9	Chlordane	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE
QUANTITATIVE PRIORITY POLLUTANT
ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Pesticides and PCBs (Continued)</u>		
50-29-3	4,4'-DDT	ND
72-55-9	4,4'-DDE	ND
72-54-8	4,4'-DDD	ND
959-98-8	alpha-Endosulfan	ND
33213-65-9	beta-Endosulfan	ND
1031-07-8	Endosulfan sulfate	ND
72-20-8	Endrin	ND
7421-93-4	Endrin aldehyde	ND
76-44-8	Heptachlor	ND
1024-57-3	Heptachlor epoxide	ND
319-84-6	alpha-BHC	ND
319-85-7	beta-BHC	ND
58-89-9	gamma-BHC	ND
319-86-8	delta-BHC	ND
53469-21-9	PCB-1242	ND
11097-69-1	PCB-1254	ND
11104-28-2	PCB-1221	ND
11141-16-5	PCB-1232	ND
12672-29-6	PCB-1248	ND
11096-82-5	PCB-1260	ND
12674-11-2	PCB-1016	ND
8001-35-2	Toxaphene	ND

PROGRAM QC RESULTS: BLANK WATER SAMPLE
QUANTITATIVE PRIORITY POLLUTANT
ANALYTICAL RESULTS

CAS Number	Compound Name	Y1470
<u>Chlorinated Herbicides (Concentration Units are in $\mu\text{g/L}$)</u>		
75-99-0	Dalapon (Dowpon)	ND
1918-00-9	Dicamba	ND
7085-19-0	MCPP	ND
94-74-6	MCPA	ND
120-36-5	Dichloroprop (2,4-DP)	ND
94-75-7	2,4-D	ND
93-72-1	2,4,5-TP (Silvex)	ND
93-76-5	2,4,5-T	ND
94-82-6	2,4-DB	ND
88-85-7	Dinoseb (DNBP)	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>		
	Antimony	<0.001
	Arsenic	0.005
	Beryllium	<0.002
	Cadmium	<0.001
	Chromium	<0.01
	Copper	0.004
	Lead	<0.01
	Mercury	<0.001
	Nickel	<0.01
	Selenium	<0.001

PROGRAM QC RESULTS: BLANK WATER SAMPLE
QUANTITATIVE PRIORITY POLLUTANT
ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1470</u>
<u>Metals (Continued)</u>		
	Silver	<0.002
	Thallium	<0.02
	Zinc	0.001
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>		
	Total Cyanide	<0.01
	Total Phenols	<0.01

D255B-PRS-39.1 to 39.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 SOIL BORING #3: STATION I-7-K, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	350 ppb	1030 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 SOIL BORING #3: STATION I-7-K, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	89	88
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	150*	130*
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 SOIL BORING #3: STATION I-7-K, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>			
88-06-2	2,4,6-Trichlorophenol	8900	1500*
59-50-7	4-Chloro-3-methyl- phenol	ND	ND
95-57-8	2-Chlorophenol	600*	210*
120-33-2	2,4-Dichlorophenol	30000	7000
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2- methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	ND	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	7900	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 SOIL BORING #3: STATION I-7-K, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	5900	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	720*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	320*
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 SOIL BORING #3: STATION I-7-K, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	300*	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 SOIL BORING #3: STATION I-7-K, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 SOIL BORING #3: STATION I-7-K, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1038 Original	Y1048 Blind Split
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	ND
72-55-9	4,4'-DDE	6500	9400
72-54-8	4,4'-DDD	ND	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 SOIL BORING #3: STATION I-7-K, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1038 Original</u>	<u>Y1048 Blind Split</u>
<u>Chlorinated Herbicides (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>			
75-99-0	Dalapon (Dowpon)	ND	900
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	6500	11000
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	2500	2500
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	0.5	0.3
	Arsenic	1.0	2.6
	Beryllium	<0.1	<0.1
	Cadmium	0.5	0.5
	Chromium	15	17
	Copper	77	86
	Lead	300	340
	Mercury	0.7	0.3
	Nickel	32	38
	Selenium	<3	<0.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
SOIL BORING #3: STATION I-7-K, 0-6"
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1038 Original</u>	<u>Y1048 Blind Split</u>
<u>Metals (Continued)</u>			
	Silver	<0.2	<0.2
	Thallium	<2	<2
	Zinc	190	210
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.10	0.10
	Total Phenols	13	13

D255B-PRS-33.1 to 33.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	326 ppb	462 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/kg)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	120	100
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	130*
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</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

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	110000	170000
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM OC RESULTS
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	ND	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	5300*
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	3500000	2780000
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	ND	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION A-2-G, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Chlorinated Herbicides (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>			
75-99-0	Dalapon (Dowpon)	16000	15000
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	3600	5200
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	2000	2100
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	2	2.7
	Arsenic	11	16
	Beryllium	<0.1	<0.1
	Cadmium	0.9	2.4
	Chromium	38	37
	Copper	260	240
	Lead	490	490
	Mercury	8.2	6.8
	Nickel	82	110
	Selenium	<0.6	<0.6

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
NEAR SURFACE SOIL: STATION A-2-G, 0-6"
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1333 Original	Y1339 Blind Split
<u>Metals (Continued)</u>			
	Silver	0.5	0.3
	Thallium	<2	<2
	Zinc	29000	1000
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.62	2.1
	Total Phenols	3.2	4.5

D255B-PRS-42.1 to 42.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	3.6 ppb	1.8 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>			
71-43-2	Benzene	ND	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	54	77
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	97
108-88-3	Toluene	ND	5*
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	240	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1471 Original</u>	<u>Y1474 Blind Split</u>
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)</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

ITAS BLIND SAMPLE SPLIT: PROGRAM OC RESULTS
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	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	1300*	290*
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluoranthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	ND	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in $\mu\text{g}/\text{kg}$)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM OC RESULTS
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	ND	ND
72-55-9	4,4'-DDE	20**	ND
72-54-8	4,4'-DDD	ND	ND
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 NEAR SURFACE SOIL: STATION C-6-B, 0-6"
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1471 Original</u>	<u>Y1474 Blind Split</u>
<u>Chlorinated Herbicides (Concentration Units are in $\mu\text{g}/\text{kg}$)</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 ^a	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	<0.1	<0.1
	Arsenic	0.82	0.55
	Beryllium	<0.2	<0.2
	Cadmium	0.12	<0.1
	Chromium	3.1	2.1
	Copper	12	12
	Lead	2.0	2.0
	Mercury	<0.1	<0.1
	Nickel	5.3	3.6
	Selenium	<0.1	<0.1

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
NEAR SURFACE SOIL: STATION C-6-B, 0-6"
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1471 Original	Y1474 Blind Split
<u>Metals (Continued)</u>			
	Silver	<0.2	<0.2
	Thallium	<2	<2
	Zinc	43	44
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.20	0.18
	Total Phenols	0.69	<0.5

^aAn unidentified component was detected in the retention time window for this herbicide-estimated concentration range 10,000 to 100,000 ppb (MCPA was not detected).

D255B-PRS-41.1 to 41.9

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 WELL WATER: STATION I-2-L, WELL #1
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
1746-01-6	2,3,7,8-Tetrachloro-dibenzo-p-dioxin	0.68 ppb	0.18 ppb
	2,3,7,8-Tetrachloro-dibenzofuran	-	-
3268-87-9	Octachlorodibenzo-p-dioxin	-	-
<u>Volatile Organic Compounds (Concentration Units are in µg/L)</u>			
71-43-2	Benzene	430*	310*
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	10000	6500
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloroethane	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloroethene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 WELL WATER: STATION I-2-L, WELL #1
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Volatiles (Continued)</u>			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	740	280*
75-09-2	Methylene chloride	320*	360*
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	1000	690
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 WELL WATER: STATION I-2-L, WELL #1
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Volatiles (Continued)</u>			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	960	710
<u>Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)</u>			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-methylphenol	ND	ND
95-57-8	2-Chlorophenol	ND	ND
120-33-2	2,4-Dichlorophenol	160*	170*
105-67-9	2,4-Dimethylphenol	ND	ND
88-75-5	2-Nitrophenol	ND	ND
100-02-7	4-Nitrophenol	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND
87-86-5	Pentachlorophenol	ND	ND
108-95-2	Phenol	400*	420*
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	8800	8500

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 WELL WATER: STATION I-2-L, WELL #1
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	200*	180*
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	390*	360*
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	590*	550*
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 WELL WATER: STATION I-2-L, WELL #1
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	320*	300*
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	ND
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluor- anthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM OC RESULTS
 WELL WATER: STATION I-2-L, WELL #1
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Base/Neutral/Acids (Continued)</u>			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	ND	ND
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	260*	230*
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
<u>Pesticides and PCBs (Concentration Units are in $\mu\text{g/L}$)</u>			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 WELL WATER: STATION I-2-L, WELL #1
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Pesticides and PCBs (Continued)</u>			
50-29-3	4,4'-DDT	22000	15000
72-55-9	4,4'-DDE	ND	ND
72-54-8	4,4'-DDD	13000	9500
959-98-8	alpha-Endosulfan	ND	ND
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
 WELL WATER: STATION I-2-L, WELL #1
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1359 Original	Y1371 Blind Split
<u>Chlorinated Herbicides (Concentration Units are in $\mu\text{g/L}$)</u>			
75-99-0	Dalapon (Dowpon)	ND	570
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	ND
93-76-5	2,4,5-T	ND	ND
94-82-6	2,4-DB	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND
<u>Metals (Concentration Units are in Parts per Million - ppm)</u>			
	Antimony	0.012	0.011
	Arsenic	0.118	0.052
	Beryllium	0.005	0.004
	Cadmium	0.007	0.006
	Chromium	0.41	0.38
	Copper	0.70	0.59
	Lead	2.2	0.19
	Mercury	0.028	0.039
	Nickel	0.15	0.13
	Selenium	<0.02	<0.02

ITAS BLIND SAMPLE SPLIT: PROGRAM QC RESULTS
WELL WATER: STATION I-2-L, WELL #1
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

<u>CAS Number</u>	<u>Compound Name</u>	<u>Y1359 Original</u>	<u>Y1371 Blind Split</u>
<u>Metals (Continued)</u>			
	Silver	0.004	0.003
	Thallium	<0.02	<0.02
	Zinc	2.8	2.4
<u>Classical Parameters (Concentration Units are in Parts per Million - ppm)</u>			
	Total Cyanide	0.01	0.02
	Total Phenols	15.3	12.9

D255B-PRS-40.1 to 40.9

ITAS INTERLABORATORY SPLITS: SOILS
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Volatile Organic Compounds (Concentration Units are in µg/kg)					
71-43-2	Benzene	ND	ND	ND	ND
56-23-5	Carbon tetrachloride	ND	ND	ND	ND
108-90-7	Chlorobenzene	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND	ND	ND
75-00-3	Chloroethane	ND	ND	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND	ND	ND
67-66-3	Chloroform	ND	2*	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Volatiles (Continued)					
78-87-5	1,2-Dichloropropane	ND	ND	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND	ND	ND
100-41-4	Ethylbenzene	ND	ND	ND	ND
75-09-2	Methylene chloride	54	21	64	4500
74-87-3	Chloromethane	ND	ND	ND	ND
74-83-9	Bromomethane	ND	ND	ND	ND
75-25-2	Bromoform	ND	ND	ND	ND
75-27-4	Bromodichloromethane	ND	ND	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND	ND	ND
124-48-1	Chlorodibromomethane	ND	ND	ND	ND
127-18-4	Tetrachloroethene	ND	ND	ND	ND
108-88-3	Toluene	ND	ND	ND	ND
79-01-6	Trichloroethene	ND	ND	ND	ND
75-01-4	Vinyl chloride	ND	ND	ND	ND
67-64-1	Acetone	290*	24	ND	ND
78-93-3	2-Butanone	ND	ND	ND	ND
75-15-0	Carbon disulfide	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Volatiles (Continued)					
519-78-6	2-Hexanone	ND	ND	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND	ND	ND
100-42-5	Styrene	ND	ND	ND	ND
108-05-4	Vinyl acetate	ND	ND	ND	ND
95-47-6	Total Xylenes	ND	ND	ND	ND
Base/Neutral and Acid Organic Compounds (Concentration Units are in $\mu\text{g}/\text{kg}$)					
88-06-2	2,4,6-Trichlorophenol	3300	ND	ND	ND
59-50-7	4-Chloro-3-methyl-phenol	ND	ND	ND	ND
95-57-8	2-Chlorophenol	ND	ND	ND	ND
120-33-2	2,4-Dichlorophenol	8900	ND	980*	ND
105-67-9	2,4-Dimethylphenol	ND	ND	ND	ND
88-75-5	2-Nitrophenol	ND	ND	ND	ND
100-02-7	4-Nitrophenol	ND	ND	ND	ND
51-28-5	2,4-Dinitrophenol	ND	ND	ND	ND
534-52-1	4,6-Dinitro-2-methylphenol	ND	ND	ND	ND
87-86-5	Pentachlorophenol	ND	ND	ND	ND
108-95-2	Phenol	ND	ND	ND	ND
65-85-0	Benzoic acid	ND	ND	1800*	ND
95-48-7	2-Methylphenol	ND	ND	ND	ND
108-39-4	4-Methylphenol	ND	ND	ND	ND
95-95-4	2,4,5-Trichlorophenol	4200	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Base/Neutral/Acids (Continued)					
83-32-9	Acenaphthene	ND	ND	ND	ND
92-87-5	Benzidine	ND	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND	ND	ND
118-74-1	Hexachlorobenzene	8600	7000	ND	ND
67-72-1	Hexachloroethane	ND	ND	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	230*	ND	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	470*	ND	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND	ND	ND
206-44-0	Fluoranthene	1500*	ND	ND	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND	ND	ND
39638-32-9	Bis(2-chloroiso- propyl)ether	ND	ND	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Base/Neutral/Acids (Continued)					
87-68-3	Hexachlorobutadiene	ND	ND	ND	ND
77-47-4	Hexachlorocyclo- pentadiene	ND	ND	ND	ND
78-59-1	Isophorone	ND	ND	ND	ND
91-20-3	Naphthalene	200*	ND	ND	ND
98-95-3	Nitrobenzene	ND	ND	ND	ND
62-75-9	N-nitrosodimethyl- amine	ND	ND	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND	ND	ND
621-64-7	N-nitrosodipropyla- mine	ND	ND	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	ND	ND	ND	ND
84-74-2	Di-N-butyl phthalate	ND	ND	ND	ND
117-84-0	Di-N-octyl phthalate	ND	ND	ND	ND
84-66-2	Diethyl phthalate	ND	ND	ND	ND
131-11-3	Dimethyl phthalate	ND	ND	ND	ND
56-55-3	Benzo(A)anthracene	1500*	ND	ND	ND
50-32-8	Benzo(A)pyrene	1900*	6000	ND	ND
205-99-2	Benzo(B)fluor- anthene	2100	6000	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Base/Neutral/Acids (Continued)					
218-01-9	Chrysene	ND	ND	ND	ND
208-96-8	Acenaphthylene	ND	ND	690*	ND
120-12-7	Anthracene	310*	ND	3000	ND
191-24-2	Benzo(GHI)perylene	3300	ND	11000	ND
86-73-7	Fluorene	ND	ND	ND	ND
85-01-	Phenanthrene	910*	ND	ND	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	2200	ND	ND	ND
129-00-0	Pyrene	2200	ND	ND	ND
62-53-3	Aniline	ND	ND	ND	ND
100-51-6	Benzyl alcohol	ND	ND	ND	ND
106-47-8	4-Chloroaniline	ND	ND	ND	ND
132-64-9	Dibenzofuran	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	220*	ND	ND	ND
88-74-4	2-Nitroaniline	ND	ND	ND	ND
99-09-2	3-Nitroaniline	ND	ND	ND	ND
100-01-6	4-Nitroaniline	ND	ND	ND	ND
Pesticides and PCBs (Concentration Units are in µg/kg)					
309-00-2	Aldrin	ND	ND	ND	ND
60-57-1	Dieldrin	ND	ND	ND	ND
57-74-9	Chlordane	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Pesticides and PCBs (Continued)					
50-29-3	4,4'-DDT	20000	20000	620**	870**
72-55-9	4,4'-DDE	3700	5500	270**	370**
72-54-8	4,4'-DDD	6800	11000	ND	75**
959-98-8	alpha-Endosulfan	8900**	ND	ND	ND
33213-65-9	beta-Endosulfan	ND	17000	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND	ND	ND
72-20-8	Endrin	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	ND	ND	ND	ND
76-44-8	Heptachlor	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND	ND	ND
319-84-6	alpha-BHC	ND	ND	ND	ND
319-85-7	beta-BHC	ND	ND	ND	ND
58-89-9	gamma-BHC	ND	ND	ND	ND
319-86-8	delta-BHC	ND	ND	ND	ND
53469-21-9	PCB-1242	ND	ND	ND	ND
11097-69-1	PCB-1254	ND	ND	ND	ND
11104-28-2	PCB-1221	ND	ND	ND	ND
11141-16-5	PCB-1232	ND	ND	ND	ND
12672-29-6	PCB-1248	ND	ND	ND	ND
11096-82-5	PCB-1260	ND	ND	ND	ND
12674-11-2	PCB-1016	ND	ND	ND	ND
8001-35-2	Toxaphene	ND	ND	ND	ND

ITAS INTERLABORATORY SPLITS: SOILS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Chlorinated Herbicides (Concentration Units are in $\mu\text{g}/\text{kg}$)					
75-99-0	Dalapon (Dowpon)	ND	ND	1800	110
1918-00-9	Dicamba	ND	ND	ND	ND
7085-19-0	MCPP	ND	ND	ND	ND
94-74-6	MCPA	ND	ND	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND	ND	ND
94-75-7	2,4-D	2100	340	ND	270
93-72-1	2,4,5-TP (Silvex)	ND	500	ND	ND
93-76-5	2,4,5-T	2300	700	ND	82
94-82-6	2,4-DB	ND	ND	ND	ND
88-85-7	Dinoseb (DNBP)	ND	ND	ND	ND
Metals (Concentration Units are in Parts per Million - ppm)					
	Antimony	0.10	6.7	4.5	9
	Arsenic	8.5	3.3	18	18
	Beryllium	<0.2	<0.3	0.34	<0.4
	Cadmium	<0.1	0.4	<0.1	0.3
	Chromium	12	12	7.7	5.0
	Copper	56	63	47	49
	Lead	300	329	400	390
	Mercury	39	17	0.9	0.4
	Nickel	7.4	11	11	13
	Selenium	<0.2	0.068	<0.3	0.07

ITAS INTERLABORATORY SPLITS: SOILS
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	A		B	
		Y1604 Original	K1615/C1614 Splits	Y1764 Original	K1771/1770 Splits
Metals (Continued)					
	Silver	<0.2	1.5	1.1	1.3
	Thallium	<2	<6	<2	<5
	Zinc	76	89	97	120
Classical Parameters (Concentration Units are in Parts per Million - ppm)					
	Total Cyanide	0.33	3.1	1.97	1.0
	Total Phenols	11	20	1.0	0.2

D255D-SOIL-1 to SOIL-9

ITAS INTERLABORATORY SPLIT: WATER
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802 Original	K1811/C1810 Splits
Volatile Organic Compounds (Concentration Units are in µg/L)			
71-43-2	Benzene	12	ND
56-23-5	Carbon tetrachloride	ND	ND
108-90-7	Chlorobenzene	ND	ND
107-06-2	1,2-Dichloroethane	ND	ND
71-55-6	1,1,1-Trichloroethane	ND	ND
75-34-3	1,1-Dichloroethane	ND	ND
79-00-5	1,1,2-Trichloro- ethane	ND	ND
79-34-5	1,1,2,2-Tetrachloro- ethane	ND	ND
75-00-3	Chloroethane	ND	ND
542-88-1	Bis(chloromethyl) ether	ND	ND
110-75-8	2-Chloroethylvinyl ether	ND	ND
67-66-3	Chloroform	ND	ND
75-35-4	1,1-Dichloroethene	ND	ND
156-60-5	trans-1,2-Dichloro- ethene	ND	ND

ITAS INTERLABORATORY SPLIT: WATER
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Volatiles (Continued)			
78-87-5	1,2-Dichloropropane	ND	ND
10061-02-6	trans-1,3-Dichloro- propene	ND	ND
10061-01-5	cis-1,3-Dichloro- propene	ND	ND
100-41-4	Ethylbenzene	ND	ND
75-09-2	Methylene chloride	5*	2*
74-87-3	Chloromethane	ND	ND
74-83-9	Bromomethane	ND	ND
75-25-2	Bromoform	ND	ND
75-27-4	Bromodichloromethane	ND	ND
75-69-4	Trichlorofluoro- methane	ND	ND
75-71-8	Dichlorodifluoro- methane	ND	ND
124-48-1	Chlorodibromomethane	ND	ND
127-18-4	Tetrachloroethene	ND	ND
108-88-3	Toluene	ND	ND
79-01-6	Trichloroethene	ND	ND
75-01-4	Vinyl chloride	ND	ND
67-64-1	Acetone	ND	ND
78-93-3	2-Butanone	ND	ND
75-15-0	Carbon disulfide	ND	ND

ITAS INTERLABORATORY SPLIT: WATER
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Volatiles (Continued)			
519-78-6	2-Hexanone	ND	ND
108-10-1	4-Methyl-2-pentanone	ND	ND
100-42-5	Styrene	ND	ND
108-05-4	Vinyl acetate	ND	ND
95-47-6	Total Xylenes	ND	ND
Base/Neutral and Acid Organic Compounds (Concentration Units are in µg/L)			
88-06-2	2,4,6-Trichlorophenol	ND	ND
59-50-7	4-Chloro-3-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	43	ND
65-85-0	Benzoic acid	ND	ND
95-48-7	2-Methylphenol	ND	ND
108-39-4	4-Methylphenol	ND	ND
95-95-4	2,4,5-Trichlorophenol	ND	ND

ITAS INTERLABORATORY SPLIT: WATER
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Base/Neutral/Acids (Continued)			
83-32-9	Acenaphthene	ND	ND
92-87-5	Benzidine	ND	ND
120-82-1	1,2,4-Trichlorobenzene	ND	ND
118-74-1	Hexachlorobenzene	ND	ND
67-72-1	Hexachloroethane	ND	ND
111-44-4	Bis(2-chloroethyl) ether	ND	ND
91-58-7	2-Chloronaphthalene	ND	ND
95-50-1	1,2-Dichlorobenzene	ND	ND
541-73-1	1,3-Dichlorobenzene	ND	ND
106-46-7	1,4-Dichlorobenzene	ND	ND
91-94-1	3,3'-Dichlorobenzidine	ND	ND
121-14-2	2,4-Dinitrotoluene	ND	ND
606-20-2	2,6-Dinitrotoluene	ND	ND
122-66-7	1,2-Diphenylhydrazine	ND	ND
206-44-0	Fluoranthene	3*	ND
7005-72-3	4-Chlorophenyl phenyl ether	ND	ND
101-55-3	4-Bromophenyl phenyl ether	ND	ND
39638-32-9	Bis(2-chloroiso- propyl ether	ND	ND
111-91-1	Bis(2-chloroethoxy) methane	ND	ND

ITAS INTERLABORATORY SPLIT: WATER
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Base/Neutral/Acids (Continued)			
87-68-3	Hexachlorobutadiene	ND	ND
77-47-4	Hexachlorocyclopentadiene	ND	ND
78-59-1	Isophorone	ND	ND
91-20-3	Naphthalene	12*	ND
98-95-3	Nitrobenzene	ND	ND
62-75-9	N-nitrosodimethylamine	ND	ND
86-30-6	N-nitrosodiphenylamine	ND	ND
621-64-7	N-nitrosodipropylamine	ND	ND
117-81-7	Bis(2-ethylhexyl) phthalate	27	29
85-68-7	Butyl benzyl phthalate	ND	ND
84-74-2	Di-N-butyl phthalate	8*	6*
117-84-0	Di-N-octyl phthalate	ND	ND
84-66-2	Diethyl phthalate	ND	ND
131-11-3	Dimethyl phthalate	ND	ND
56-55-3	Benzo(A)anthracene	ND	5*
50-32-8	Benzo(A)pyrene	ND	ND
205-99-2	Benzo(B)fluoranthene	ND	ND
207-08-9	Benzo(K)fluoranthene	ND	ND

ITAS INTERLABORATORY SPLIT: WATER
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Base/Neutral/Acids (Continued)			
218-01-9	Chrysene	ND	ND
208-96-8	Acenaphthylene	ND	ND
120-12-7	Anthracene	ND	ND
191-24-2	Benzo(GHI)perylene	ND	ND
86-73-7	Fluorene	ND	ND
85-01-	Phenanthrene	3*	ND
53-70-3	Dibenzo(A,H) anthracene	ND	ND
193-39-5	Indeno(1,2,3-CD)pyrene	ND	ND
129-00-0	Pyrene	5*	4*
62-53-3	Aniline	ND	ND
100-51-6	Benzyl alcohol	ND	ND
106-47-8	4-Chloroaniline	ND	ND
132-64-9	Dibenzofuran	ND	ND
91-57-6	2-Methylnaphthalene	5*	ND
88-74-4	2-Nitroaniline	ND	ND
99-09-2	3-Nitroaniline	ND	ND
100-01-6	4-Nitroaniline	ND	ND
Pesticides and PCBs (Concentration Units are in µg/L)			
309-00-2	Aldrin	ND	ND
60-57-1	Dieldrin	ND	ND
57-74-9	Chlordane	ND	ND

ITAS INTERLABORATORY SPLIT: WATER
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

CAS Number	Compound Name	Y1802	K1811/C1810
		Original	Splits
Pesticides and PCBs (Continued)			
50-29-3	4,4'-DDT	14**	55
72-55-9	4,4'-DDE	7**	25
72-54-8	4,4'-DDD	7**	27
959-98-8	alpha-Endosulfan	ND	83**
33213-65-9	beta-Endosulfan	ND	ND
1031-07-8	Endosulfan sulfate	ND	ND
72-20-8	Endrin	ND	ND
7421-93-4	Endrin aldehyde	ND	ND
76-44-8	Heptachlor	ND	ND
1024-57-3	Heptachlor epoxide	ND	ND
319-84-6	alpha-BHC	ND	ND
319-85-7	beta-BHC	ND	ND
58-89-9	gamma-BHC	ND	ND
319-86-8	delta-BHC	ND	ND
53469-21-9	PCB-1242	ND	ND
11097-69-1	PCB-1254	ND	ND
11104-28-2	PCB-1221	ND	ND
11141-16-5	PCB-1232	ND	ND
12672-29-6	PCB-1248	ND	ND
11096-82-5	PCB-1260	ND	ND
12674-11-2	PCB-1016	ND	ND
8001-35-2	Toxaphene	ND	ND

ITAS INTERLABORATORY SPLIT: WATER
 QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

		Y1802	K1811/C1810
CAS Number	Compound Name	Original	Splits
Chlorinated Herbicides (Concentration Units are in µg/L)			
75-99-0	Dalapon (Dowpon)	ND	ND
1918-00-9	Dicamba	ND	ND
7085-19-0	MCPP	ND	ND
94-74-6	MCPA	ND	ND
120-36-5	Dichloroprop (2,4-DP)	ND	ND
94-75-7	2,4-D	ND	ND
93-72-1	2,4,5-TP (Silvex)	ND	0.47**
93-76-5	2,4,5-T	ND	2.5**
94-82-6	2,4-DB	ND	3.4**
88-85-7	Dinoseb (DNBP)	ND	ND
Metals (Concentration Units are in Parts per Million - ppm)			
	Antimony	0.024	<0.7
	Arsenic	0.494	0.9
	Beryllium	0.002	<0.05
	Cadmium	0.005	0.02
	Chromium	0.18	0.2
	Copper	0.513	0.77
	Lead	2.5	3.7
	Mercury	0.048	0.07
	Nickel	0.12	0.2
	Selenium	<0.003	0.009

ITAS INTERLABORATORY SPLIT: WATER
QUANTITATIVE PRIORITY POLLUTANT ANALYTICAL RESULTS

		Y1802	K1811/C1810
CAS Number	Compound Name	Original	Splits
Metals (Continued)			
	Silver	0.002	<0.07
	Thallium	<0.02	<0.5
	Zinc	5.4	7.3
Classical Parameters (Concentration Units are in Parts per Million - ppm)			
	Total Cyanide	0.03	8.2
	Total Phenols	0.04	0.2

D255D-ITAS-1 to ITAS-9