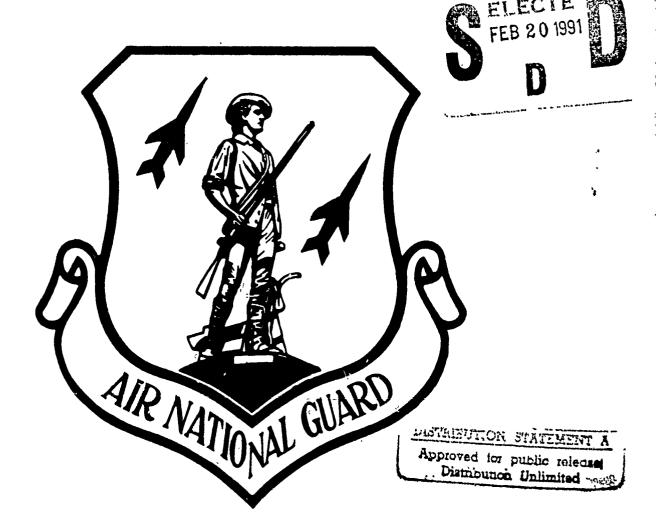
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INSTALLATION RESTORATION PROGRAM



REMEDIAL INVESTIGATION REPORT

MINNESOTA AIR NATIONAL GUARD BASE
DULUTH INTERNATIONAL AIRPORT
DULUTH, MINNESOTA
VOLUME 2



HAZWRAP SUPPORT CONTRACTOR OFFICE.

Oak Ridge, Tennessee 37831
Operated by MARTIN MARIETTA ENERGY SYSTEMS, INC.
For the U.S. DEPARTMENT OF ENERGY under contract DE-AC05-840R21400

"This report has been prepared for the Martin Marietta Energy Systems, Inc. by Engineering-Science, Inc. for the purpose of aiding in the implementation of the Department of Defense Installation Restoration Program. It is not an endorsement of any product. The views expressed herein are those of the Contractor and do not necessarily reflect the official views of the publishing agency, the United States Air National Guard, nor the Department of Defense."

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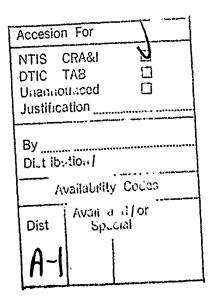
VOLUME 2

JANUARY 1990

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Prepared By
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Prepared For
HAZARDOUS WASTE
REMEDIAL ACTIONS PROGRAM
Oak Ridge, Tennessee



Submitted To
MINNESOTA AIR NATIONAL GUARD
Duluth International Airport
Duluth, Minnesota

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PREFACE

Engineering-Science (ES) entered into an agreement with the HAZWRAP Support Contractor office operated by Martin Marietta Energy Systems, Inc. for the U.S. Department of Energy (DOE) to perform a Remedial Investigation at the Minnesota Air National Guard Base, Duluth International Airport, Duluth, Minnesota, to be submitted to the National Guard Bureau, Andrews Air Force Base, Maryland. This investigation was initiated in July, 1988 under Task Order Y02, General Order 18B-97387C, which is under DOE contract DE-AC05-84OR21400, with Martin Marietta Energy Systems under Interagency Agreement 1489-1489-A1. The overall objectives of this effort were to define the magnitude, extent, direction, and rate of movement of identified contaminants and to summarize the need for remedial actions based on an assessment of risks to human health and the environment.

This investigation was performed by Engineering-Science personnel from the Oak Ridge, Tennessee office with oversight provided by Martin Marietta Energy Systems. Mr. Larry Janssen, of Martin Marietta Energy Systems was the Technical Monitor for Lt. Col. Michael Washeleski of the National Guard Bureau. Major Joel D. Manns, Minnesota Air National Guard Base, Duluth, Minnesota, provided field support. Engineering-Science personnel included Mr. Robert S. McLeod, P.E., P.G., who served as Project Manager and Mr. John D. Hardeman, P.G., who served as the Field Team Leader. Mr. Robert L. Thoem, P.E. was the ES Technical Director for the project.

Engineering-Science wishes to acknowledge North Star Drilling, Little Falls, Minnesota as the drilling and well installation subcontractor. Salo Engineering, Duluth, Minnesota, provided professional surveying services. ES Berkeley Laboratory, Berkeley, California; ES Atlanta Laboratory, Atlanta, Georgia; MetaTrace, Inc., St. Louis, Missouri; NUS Corporation, Pittsburgh, Pennsylvania; and IT Radiological Sciences Laboratory, Oak Ridge, TN provided analytical laboratory services for sample analyses.

This work was accomplished between July 1988 and March 1989.

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APPENDIX A
DEFINITIONS, NOMENCLATURE AND UNITS OF MEASUREMENT

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SECTION A.1
INTRODUCTION

SECTION A.1 INTRODUCTION

Numerous terms and abbreviations are used in the report that may be unfamiliar to some readers. The pages that follow provide a reference list of selected terms and abbreviations to aid the reader.

SECTION A.2
DEFINITIONS, NOMENCLATURE AND UNITS OF MEASURE

SECTION A.2

DEFINITIONS, NOMENCLATURE AND UNITS OF MEASURE

A: Area.

AA: Atomic Absorption, an instrumental analytical method for quantitation of metal elements.

ACIDS: Chemical compounds that yield hydrogen ions in aqueous solutions.

ACIDIC: Refers to water having a ph value of less than 7, aqueous solutions containing dissolved acids.

ADSORPTION: The attachment of dissolved matter to the surface of solids through weak chemical interactions which are usually reversible.

AF: Air Force (U.S. Air Force).

AFFF: Aqueous Film Forming Foam.

AIC: Acceptable intake for chronic exposure to a toxic chemical.

AIS: Acceptable intake for subchronic exposure.

ALIPHATICS: Organic chemical compounds having an open-chain structure, as distinguished from aromatic compounds.

ALKALINE: Refers to water having a ph value of more than 7, aqueous solutions containing dissolved bases.

ALLUVIAL: Pertaining to or composed of alluvium or deposited by a stream or running water.

ALLUVIUM: Materials eroded, transported and deposited by streams.

ALLUVIAL FAN: A fan-shaped deposit formed by a stream either where it issues from a narrow mountain valley into a plain or broad valley, or where a tributary stream joins a main stream.

AWQC: Ambient Water Quality Criteria.

ANG: Air National Guard.

ANGB: Air National Guard Base.

ANION: A negatively charged ion in solution.

AQUIFER: A geologic formation, group of formations, or part of a formation that is capable of yielding useable quantities of water to a well or spring.

ARAR: Applicable or Relevant and Appropriate Requirement.

AROMATICS: Organic chemical compounds having a stable six- carbon ring as their basic structure, such as benzene, toluene, and xylenes.

ARTESIAN: A condition of confined aquifers in which water levels in wells rise above the top of the aquifer.

As: Chemical symbol for arsenic.

atm-m³/mol: Atmosphere cubic meters per gram mol, Henry's Law Constant.

Ba: Chemical symbol for barium.

BASE: Chemical compounds that yield hydroxide ions in aqueous solution.

BEDROCK: Any solid rock in place; may be exposed at the surface of the earth or overlaid by unconsolidated materials.

BG: Background.

BH: Borehole.

BIOACCUMULATION: Refers to the tendency of some chemical elements or compounds to become concentrated in the tissues of living organisms as a result of chronic exposures, mainly ingestion and inhalation.

BIODEGRADABLE: Refers to chemical organic compounds that are broken down into simpler chemical compounds or elements by natural microorganisms in the environment.

C: Long term exposure point concentration.

^oC: Degrees Celsius..

Ca: Chemical symbol for calcium.

CaCO3: Chemical symbol for calcium carbonate.

CAG: Carcinogen Assessment Group. It indicates whether or not there is sufficient evidence to classify a compound as carcinogenic.

CAMBRIAN: That period of time from 600 to 500 million years ago.

CARBONATE ROCKS: A rock consisting chiefly of carbonate minerals, such as limestone and dolomite.

CAS: Chemical Abstracts Service, American Chemical Society.

CATION: A positively charged ion in solution.

CB: Chlorobromomethane.

Cd: Chemical symbol for cadmium.

CDI: Chronic daily intake.

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act (the Superfund Act).

CFR: Code of Federal Regulations.

CN: Chemical symbol for cyanide.

CONFINED AQUIFER: An aquifer bounded above and below by impermeable strata or geologic units of distinctly lower permeability than that of the aquifer itself.

CONFINING UNIT: A low-permeability layer which restricts the movement of ground water.

Cr: Chemical symbol for chromium.

CT: Concentration x Toxicity. Calculated for a particular compound by summing the concentration x media (CT) values for all media.

Dames & Moore: Dames & Moore, Inc.

DANGB: Duluth Air National Guard Base - as an initial identifier used to identify all sampling locations established during this Remedial Investigation.

DARCY'S LAW: An equation describing the flow of fluids in porous media based on the assumption that the flow is laminar and that inertia can be neglected.

DENSITY: Physical property of materials equal to mas per unit volume.

DDD: 1,1-(2,2-Dichloroethylidene) bis (4-chlorobenzene).

DDE: 1,1-(Dichloroethylenylindene) bis (4-chlorobenzene).

DDT: Dichlorodiphenyl dichloroethane.

DOD: U.S. Department of Defense.

DOE: U.S. Department of Energy.

DOWNGRADIENT: In the direction of decreasing hydraulic head; the direction in which ground water flows.

DPDO: Defense Property Disposal Office, now called the Defense Rentilization and Marketing Office or DRMO.

DRAINAGE BASIN: The land area from which all surface runoff drains into one stream channel or system of channels, or to a lake reservoir, or other body of water.

DRIFT: Any rock material, such as boulders, till, gravel, sand or clay transported by a glacier and deposited by or from the ice or by or in water derived from the melting of the ice.

DRMO: Defense Reutilization and Marketing Office, formerly DPDO.

DRAWDOWN: The difference between the static water level and the water level in a well that is pumped.

DULUTH COMPLEX: Intrusive igneous rocks of Middle Proterozoic Age, formed by multiple intrusions.

EFFECTIVE POROSITY: The amount of interconnected pore space in an aquifer that is available for water transmission.

ENERGY SYSTEMS: Martin Marietta Energy Systems, Inc.

EP: Extraction Procedure, a US EPA standard laboratory procedure for simulating leachate generation.

EPA: U.S. Environmental Protection Agency.

EROSION: The wearing away of land surface by wind, water, or chemical processes.

ES: Engineering-Science, Inc.

EVAPOTRANSPIRATION: Loss of water from a land area through transpiration of plants and evaporation from the soil.

^oF: Degrees Fahrenheit.

FAA: Federal Aviation Administration.

FAULT: A fracture in rock along which the adjacent rock surfaces have been displaced.

Fe: Chemical symbol for iron.

FDG: Fugitive dust generation.

FLOW LINES (PATHS): Lines indicating the direction of ground-water movement.

FS: Feasibility Study.

ft: Feet.

FTA: Fire Training Area

GABBRO: A coarse-grained dark igneous rock composed mainly of magnesium, iron and calcium containing silicate minerals.

gal/min: Gallons per minute.

gpd/ft: Gallons per day per foot. Units used to define transmissivity.

gpd/ft²: Gallons per day per square foot. Units used to define hydraulic conductivity.

GC: Gas chromatograph, an analytical laboratory instrument used for the quantitation and identification of organic compounds.

GC/MS: Gas chromatograph/mass spectrophotometer, and analytical laboratory instrument used for the quantitation and identification of organic compounds.

GAINING STREAM: A stream or reach of stream whose flow is being increased by the inflow of ground water.

GROUND WATER: Water beneath the land surface in the saturated zone.

GW: Monitoring well for ground water.

HALIDES: Refers to the salts of halogen elements, or the anions formed by halogens in aqueous solution.

HALOGEN: Refers to any one of a group of chemical elements including fluorine, chlorine, bromine, and iodine.

HALOGENATED ORGANIC: Refers to any organic compound that contains one or more halogens as a substituent group.

HARDNESS: A property of water causing formation of an insoluble residue when the water is used with soap.

HARM: Hazard Rating Methodology.

HAZARD INDEX VALUE: A ratio between projected and acceptable intake of a toxic chemical.

HAZWRAP: Hazardous Waste Remedial Action Program.

HEAVY METALS: Metal elements, including the transition elements, with atomic weight greater than 50. Many of these elements are required for plant and animal nutrition in trace concentrations, but are toxic at higher concentrations.

HIF: Human intake factor.

HNu Meter: An instrument that uses a photoionization detector to measure organic vapors.

HOMOGENEITY: In reference to an aquifer, the aquifer is homogeneous if its hydrologic properties are identical everywhere.

Hg: Chemical symbol for mercury.

HYDRAULIC CONDUCTIVITY: The rate of flow of water through a unit cross section of porous media under a unit hydraulic gradient, at the prevailing temperature.

HYDRAULIC GRADIENT: The change is static head per unit of direction in a given direction.

HYDROCARBONS: Organic chemical compounds composed of hydrogen and carbon atoms. Hydrocarbons may be straight chain, cyclic, branched chain, aromatic, or polycyclic, depending upon arrangement of carbon atoms. Halogenated hydrocarbons are hydrocarbons in which one or more hydrogen atoms has been replaced by a halogen atom.

I: Average Hydraulic Gradient, feet per foot.

IAP: International Airport.

ICP: Induction-Coupled Plasma, an instrumental analytical method for quantitation of metal elements.

IF: Infiltration rate, inches per year.

IGNEOUS ROCKS: Rocks formed by solicification from a molten or partially molten mass of material.

in: inches.

INFILTRATION: The movement of water through land surface into the ground.

IRP: Installation Restoration Program.

IS: In risk assessment, the indicator score, obtained for a particular compound by summing the concentration x media (CT) values for all media.

ISOTROPY: In reference to an aquifer, the aquifer is isotropic if all significant properties of the aquifer are independent of direction.

JP-4: Jet propulsion fuel number four (contains kerosene and gasoline fractions, used in most military jet aircraft).

K: Horizontal hydraulic conductivity, gallons per day per square foot.

Koc: Partitition coefficient.

L: Distance.

LEACHING: The process by which soluble materials in soils or a landfill dissolve in water. The resulting leachate may percolate down into lower layers or, in a secure landfill, is collected for treatment.

LITHOLOGY: The description of the physical character of rocks and soil.

LOAEL: Lowest observed adverse effect level.

LOAM: A permeable soil composed of a friable mixture of relatively equal proportions of clay, silt, and sand particles, and usually containing organic matter (humus) with a minor amount of gravel.

LOSING STREAM: A stream or reach of a stream that is losing water to the ground.

MANG: Minnesota Air National Guard.

MCL: Maximum Concentration Limits.

MCLG: Maximum Contaminant Level Goals.

MDL: Method Detection Limit.

METAMORPHIC ROCKS: Any rock derived from pre-existing rocks due to marked changes in temperature, pressure, shearing stress, and chemical environment, that occur at depth in the Earth's crust.

METHOD DETECTION LIMIT: The minimum concentration of a substance that can be measured and reported with 99 percent confidence that the value is greater than zero.

MHD: Minnesota Health Department.

ug/g: Micrograms per gram, equals one part per million.

ug/kg: Micrograms per kilogram.

ug/L: Micrograms per liter.

mg/L: Milligrams per liter.

mg/kg: Milligrams per kilogram.

mg/m³: Milligrams per cubic meter.

MPCA: Minnesota Pollution Control Authority.

mS/cm @ 25°C: Mhos per centimeter at 25°C.

MW: Monitoring well.

n: Effective porosity.

NA: Not applicable.

NAAQS: National Ambient Air Quality Standards.

NC: Noncarcinogen.

NCP: National Contingency Plan.

ND: None detected.

NFADD: No Further Action Decision Document.

NGB: National Guard Bureau.

NGVD: National Geodetic Vertical Datum of 1929.

NL: Not legible.

NOAA: National Oceanic and Atmospheric Administration.

NOAEL: No observed adverse effect level.

NOEL: No observed effect level.

NPDES: National Pollutant Discharge Elimination System.

NT: Not analysed for.

NTP: Notice to Proceed.

OLIVINE: An important rock forming mineral composed of a solid solution of magnesium and iron silicates.

ORGANIC: Refers to chemical compounds having carbon atoms as their main skeletal structure. Most organic chemicals are created by living organisms or from their remains (such as fossil fuels) and occur naturally in the environment; other organic chemicals are man-made.

OUTCROP: Zone or area where a geologic unit or formation occurs at or near land surface. "Outcrop area" is an important factor in studies of aquifers as this zone usually corresponds to the point where significant recharge occurs. Occasionally, this term is used as a intransitive verb: "Where the unit crops out...."

Pb: Chemical symbol for lead.

PC: Potential carcinogen.

PCBs: Polychlorinated biphenyls, liquid halogenated polycyclic organic compounds commonly used as insulating and cooling fluids in electrical equipment. Commercial mixtures of PCBs are referred to as Arochlors.

pCi/L: Picocuries per liter.

PERCHED WATER TABLE: Unconfined ground water separated from an underlying water table by an unsaturated zone.

PERCOLATION: Movement of moisture by gravity or hydrostatic pressure through interstices of unsaturated rock or soil.

PESTICIDE: A chemical agent used to destroy pests, includes specialty groups known as herbicides, fungicides, insecticides, rodenticides, etc.

PF: Carcinogenic potency factor.

pH: negative logarithm of the hydrogen-ion concentration used as measure of the acidic or alkaline nature of aqueous solutions.

PLEISTOCENE: The time period from about two million years ago to about 10,000 years ago during which major continental glacial occurred.

POL: Petroleum, Oils and Lubricants

POLYCYCLIC COMPOUND: An organic compound in which the carbon atoms are arranged into two or more six-carbon rings, usually aromatic in nature.

POTENTIOMETRIC SURFACE: A surface defined by the levels to which water will rise in tightly cased wells. The water table is a particular potentiometric surface.

ppb: Parts per billion by weight.

ppm: Parts per million by weight.

PRECAMBRIAN: All rocks formed before the Cambrian. That is rocks older than 600 million years and up to 2700 million years in age.

PRECIPITATION: Rainfall and snowfall.

PROTEROZOIC: The younger of two Precambrian eras.

Q: Quantity of discharge, gallons per day.

QUATERNARY: The second period of the Cenozoic geologic era, following the tertiary, and including the last 2-3 million years.

QA/QC: Quality assurance and quality control.

RAL: Minnesota recommended allowable limit.

RCRA: Resource Conservation and Recovery Act.

RECEPTORS: Individuals or groups of organisms or resources that are potentially affected by a contamination source.

RECHARGE AREA: The part of an aquifer that receives water by infiltration from surface water, precipitation, or an overlying aquifer. Recharge areas may be natural or manmade.

RECHARGE: The addition of water to the zone of saturation by natural or artifical processes.

RfD: Reference dose.

RI: Remedial Investigation.

RVe: Effective rating value is a pseudo-quantitative indication of the noncarcinogenic health effects associated with a particular compound.

SARA: Superfund Amendments and Reauthorization Act.

SATURATED ZONE: That part of the earth's crust in which all voids are filled with water.

SEDIMENTARY ROCKS: Rocks formed by the accumulation of sediment in water or from air. A characteristic feature of sedimentary deposits is a layered structure known as bedding or stratification. Each layer is a bed or stratum. Sedimentary beds as deposited lie flat or nearly flat.

SCS: Soil Conservation Service (USDA).

SDWA: Safe Drinking Water Act of 1974 as amended in 1986.

SEDIMENTARY ROCKS: Rocks formed by the consolidation of loose sediments that have accumulated in layers.

SG: Soil Gas.

SL: Surface water and sediment sampling location, stream location.

SPECIFIC CAPACITY: The discharge of water from a well per unit of drawdown, commonly expressed in gpm/ft.

SPECIFIC YIELD: The change that occurs in the amount of water in storage per unit area of an unconfined aquifer as a result of a unit change in static head.

SS: Soil sample.

STATIC HEAD: In an aquifer the height above a standard datum that water will rise in a tightly cased well.

STATIC WATER LEVEL: The level of water in a well that is not being affected by withdrawal of ground water.

STORAGE COEFFICIENT: The volume of water an aquifer releases from or takes into storage per unit surface area of an aquifer per unit change in head. The storage coefficient is essentially equal to specific yield for an unconfined aquifer.

SW: Solid Waste

SYNCLINE: A fold in rocks in which the strata dip inward from both sides toward the axis.

T: Transmissivity, gallons per day per foot.

TAC: Tactical Air Command.

TCA: Trichloroethane, a solvent and suspected carcinogen.

TCE: Trichloroethene, a solvent and suspected carcinogen.

TD: Total Depth.

TDS: Total Dissolved Solids.

TILL: Nonsorted, nonstratified sediment carried or deposited by a glacier.

TLV: Threshold Limit Value.

TOC: Total Organic Carbons.

TOX: Total Organic Halocarbons.

TOXICITY: The ability of a material to produce injury or disease upon exposure, ingestion, inhalation, or assimilation by a living organism.

TRACE METALS: Metal elements that occur in low abundances in natural materials.

TRANSMISSIVITY: A measure of an aquifer's capability to yield water; the rate at which water is transmitted through a unit width of aquifer under a unit hydraulic gradient.

TRANSPIRATION: The process by which water absorbed by plants, usually through the roots, is evaporated into the atmosphere from the plant surface.

U: Analysed for but not detected above method detection limits.

UNCONFINED AQUIFER: An aquifer that has a water table. The aquifer is not overlain by a confining unit.

UPGRADIENT: In the direction of increasing hydraulic head; the direction opposite to the prevailing flow of ground water.

USAF: United States Air Force.

USDA: United States Department of Agriculture.

USDC: United States Department of Commerce.

USEPA: United States Environmental Protection Agency.

USGS: United States Geological Survey.

V: Velocity.

VOA: Volatile Organic Compounds.

WATER TABLE: Surface of a body of unconfined ground water at which the pressure is equal to that of the atmosphere.

WESTON: Roy F. Weston, Inc.

WISCONSIN: The last of four classical glacial stages in North America. Also the state just east of the state of Minnesota.

This is the end of Appendix A.

APPENDIX B
DESCRIPTION OF WORK

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SECTION B.1 INTRODUCTION

SECTION B.1 INTRODUCTION

The Remedial Investigation at the Minnesota Air National Guard Base, Duluth, Minnesota is based upon Task Order Y-02, General Order 18B-97387C, which is under DOE contract DE-AC05-840R21400 with the Martin Marietta Energy Systems, under Interagency Agreement 1489-1489-A1. The description of Task 2 - Remedial Investigation under Task Order Y-02 is given in the pages that follow.

SECTION B.2 STATEMENT OF WORK

STATEMENT OF WORK
FÖR
REMEDIAL INVESTIGATION, FEASIBILITY STUDY,
AND REMEDIAL DESIGN
AT
MINNESOTA AIR NATIONAL GUARD BASE,
DULUTH INTERNATIONAL AIRPORT, MINNESOTA

February 10, 1988

Prepared by
HAZWRAP SUPPORT CONTRACTOR OFFICE
Oak Ridge, Tennessee 37831
operated by
MARTIN MARIETTA ENERGY SYSTEMS, INC.
for the
U.S. DEPARTMENT OF ENERGY
under contract DE-ACO5-840R21400

. Submitted to the NATIONAL-GUARD BUREAU ANDREWS AIR FORCE BASE, MARYLAND under Interagency Agreement 1489-1489-A1

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ACRONYM LIST

Alternatives Evaluation Report AE Report Air Force Installation Restoration Management Committee **AFIRM** Air National Guard Base ANGB American National Standards Institute ANSI **ARARs** Applicable, Relevant, and Appropriate Requirements Comprehensive Environmental Response, Compensation, and CERCLA Liability Act DOD U.S. Department of Defense DOE U.S. Department of Energy Martin Marietta Energy Systems, Inc. **Energy Systems** U.S. Environmental Protection Agency-EPA Feasibility Study FS FS Report Feasibility Study Report Installation Restoration Program IRP National Institute of Occupational Safety and Health HZOIN NTP Notice to Proceed NGB National Guard Bureau M&0 Operating and Maintenance OSHA Occupational Safety and Health Administration Preliminary Assessment PA QA/QC Quality Assurance/Quality Control Remedial Design RD RI Remedial Investigation Remedial Investigation Report RI Report RI Sampling Plan Remedial Investigation Sampling Plan SOV Soil Organic Vapor SOW Statement of Work

Work Plan

WP

STATEMENT OF WORK FOR REMEDIAL INVESTIGATION, FEASIBILITY STUDIES, AND REMEDIAL DESIGN AT DULUTH INTERNATIONAL AIRPORT, MINNESOTA

1. BACKGROUND

The Department of Defense (DOD) has initiated a remediation program for evaluating suspected problems associated with past hazardous waste disposal and spill sites at DOD facilities. As part of this program, the National Guard Bureau (NGB), through the Air Force Engineering and Services Center, has entered into an interagency agreement (IAG No. 1489-1489-A1) with the U.S. Department of Energy (DOE) under which DOE will provide technical assistance for the implementation of the NGB's Installation Restoration Program (IRP) and related activities. Martin Marietta Energy Systems, Inc., (Energy Systems) has been assigned responsibility for managing this effort under the interagency agreement.

The NGB has specifically requested the support of DOE in assessing the extent of contamination at five sites at Duluth International Airport, Minnesota. The field investigation study will be conducted by the Energy Systems Subcontractor through an existing general order agreement.

The purpose of this Statement of Work (SOW) is to define the Subcontractor's responsibilities in conducting Remedial Investigations (RIs), and Feasibility Studies (FSs) and in preparing Remedial Designs (RDs) for the sites that have been identified as having substantial potential for causing environmental contamination at the Minnesota Air National Guard Base at Duluth International Airport (herein referred to as the Duluth ANGB).

The following documents generated in the course of the ongoing IRP investigations at Duluth ANGB contain significant information on the known sites at the Base and are available to the Subcontractor for review:

o the IRP Preliminary Assessment (PA) report, <u>Installation</u>
<u>Restoration Program Records Search for Duluth International</u>
<u>Airport, Minnesota</u>, <u>Engineering-Science</u>, October 1982;

o the IRP report, <u>Final Report Phase II Stage 1 Problem Confirmation Study</u>, <u>Duluth International Airport</u>, <u>Minnesota</u>, Roy F. Weston Inc.,October, 1984);

o the IRP Draft report, <u>Phase II Confirmation/Quantification Stage 2</u>, <u>Duluth International Airport, Minnesota</u>, Dames and Moore, (ANG Source Areas, 10 September, 1987); and

o the IRP report, <u>Phase II Confirmation/Quantification Stage 2</u>
<u>Appendices A-M Duluth International Airport, Minnesota, Dames and Moore, (ANG Source Areas, 10 September, 1987).</u>

o the IRP report, <u>Phase II Confirmation/Quantification Stage 2</u>
<u>Appendices A-M Duluth International Airport, Minnesota, Dames and Moore, (ANG Source Areas, 24 September, 1987).</u>

Moore, (ANG Source Areas, 24 September, 1987).

MPCA 1tr, 24 Dec. 1987- Duluth AFB, TAC Source Areas, Draft Work

Plan, Comments.

USEPÁ ltr, 12 Nov. 1987- Comments on ANG Site 10.

o ANGSC/SGB Ltr, 13 Nov. 1987 - Consolidated Review Comments Duluth IAP Phase II Stage 2, IRP "Draft" Report.

o MPCA Ltr, 29 Oct. 1987- Duluth Air Force Base, ANG Source Areas,

IRP Phase II, Stage 2, comments.

o MPCA Ltr, 14 Oct. 1987- Quarterly Monitoring Requirements and listing of MDH RALs (ARARS).

Because of the impact of the 1986 Superfund Amendments and Reauthorization Act to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), all work for this project shall follow the U.S. Environmental Protection Agency (EPA) guidance documents <u>Guidance on Remedial Investigations Under CERCLA</u> (EPA-540/G-85-002, 1985) and <u>Guidance on Feasibility Studies Under CERCLA</u> (EPA-540/G-85-003, 1985).

2. OBJECTIVE

The overall objective of the NGB IRP is to identify and remedy environmental contamination problems at its installations. It is recognized that a series of staged investigations based on the information already collected at Duluth ANGB may be required to meet this objective.

2.1 PROJECT WORK PLAN

A comprehensive Project Work Plan (WP) shall be prepared as the first task assigned under this task order. The objective of the Project WP is to provide a general technological framework for addressing the sites identified at the Base. The Project WP shall include preparation of a Baseline Technical Methodology for Project Completion and project plans (reference/guidance manuals) for quality assurance/quality control (QA/QC), health and safety, and community relations. The Project WP shall also include a comprehensive schedule and cost estimate for project completion, with provision for semiannual updates and distribution.

2.2 REMEDIAL INVESTIGATION

The objectives of the RI are to acquire the necessary data to define the extent of confirmed environmental contamination and to continue to assess the associated potential risks to human health, welfare, and the environment. The data collected must be sufficient to support a definitive FS (including a risk assessment) and/or decision document(s) that address the applicable, relevant, and appropriate requirements

(ARARs) for mitigating confirmed environmental contamination at each site.

Meeting this objective will require quantification of the magnitude and extent of contamination at the sites. The investigation shall include the identification of specific chemical contaminants present, their concentrations within the soil and groundwater and determination of the potential for contaminant migration by assessing site-specific hydrogeologic and contaminant characteristics.

In addition, the Subcontractor shall prepare and submit a Remedial Investigation Report (RI Report), which shall include a summary and interpretation of task activities and data. This effort shall include preparatior of risk assessments necessary to determine the appropriateness, or necessity, of proceeding with planned studies of individual sites, or groups of sites, in accordance with the provisions of this SOW. The objective of this requirement shall be to provide documentation of procedures, results, and recommendations necessary to support a decision document and acquire regulatory concurrence.

2.3 FEASIBILITY STUDY

The objective of the FS is to select and describe a remedial action that addresses the ARARs for mitigating confirmed environmental contamination at each site. Meeting this objective will require preparation of a Feasibility Study Report(s) (FS Report), including risk assessments and cost benefit analyses, which will provide necessary data, direction, and documented supportive rationale to acquire regulatory concurrence (at federal, state, and local levels) with the recommended remedial alternative(s). Included as part of the FS Report will be an Environmental Assessment, which shall be prepared as a stand-alone document. Successful completion of the FS shall result in unimpeded subsequent development of remedial designs for implementation of the selected remedial action(s).

2.4 REMEDIAL DESIGN AND TECHNICAL SUPPORT

The objective of this effort is to provide engineering design drawings and construction specifications required to implement the recommended remedial actions contained in the FSs and/or technical decision documents resulting from site studies. Satisfaction of this objective shall include regulatory acceptance of the package as an appropriate plan for remediating the site.

The Subcontractor shall also provide technical support to the Base Project Officer during the remediation process to entire that the remedial actions are implemented in accordance with the design drawings and technical specifications.

3. SCOPE

The Subcontractor shall provide the personnel, facilities, and materials required to plan and conduct RIs, prepare FSs, prepare RD documents, and provide other general technical support required through completion of the remediation process for the sites addressed in this project.

This project shall address the following sites at Duluth ANGB:

- o Fire Training Area Site No. 2,
- o DRMO Storage Area C Site No. 3,
- o Tank Farm Site No. 4,
- o Old DRMO Site No. 8, and
- o Low Level Radioactive Site No. 10.

All technical consultants and key personnel supplied by the Subcontractor shall be qualified to provide expert witness testimony, if required.

4. INSTALLATION DESCRIPTION

A description of the installation is provided in the PA report, <u>Installation Restoration Program Records Search for Duluth International Airport, Minnesota</u> (Engineering-Science, March, 1982).) (see Fig. 1 for the Installation location).

5. SITE DESCRIPTIONS

A description of the individual sites is provided in the PA report, Installation Restoration Program Records Search for Duluth International Airport, Minnesota (Engineering-Science, March 1982), and the IRP Draft report, Phase II- Confirmation/Quantification Stage 2 for Duluth International Airport, Minnesota (Dames and Moore, September, 1987) (see Fig. 2).

6. DESCRIPTION OF TASKS

6.1 TASK 1 - PROJECT WORK PLAN

A comprehensive Project WP for completing all of the major tasks in this SOW shall be prepared and submitted by the Subcontractor for internal review by Energy Systems and the NGB within 6 weeks of receipt of contractual notice to proceed. The Project WP shall undergo at least three revisions (internal draft, draft, and final) and shall address the Subcontractor's proposed technical approach, timing for implementation, project coordination meetings, project schedules, and project

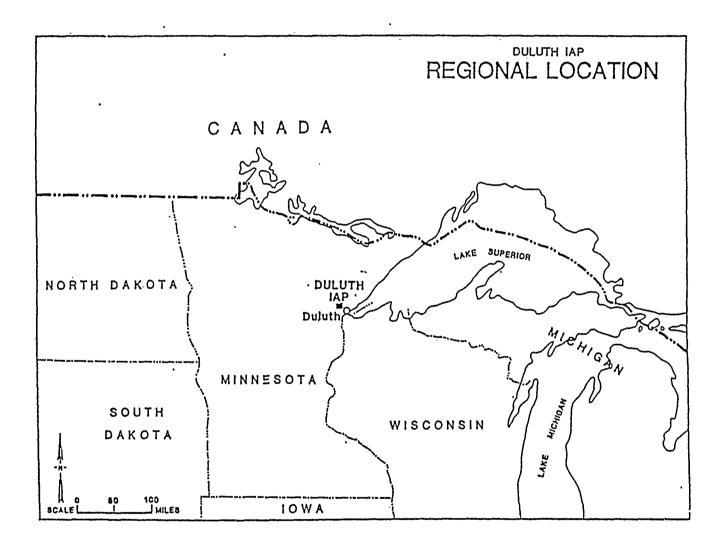


Fig. 1 Location of Duluth International Airport

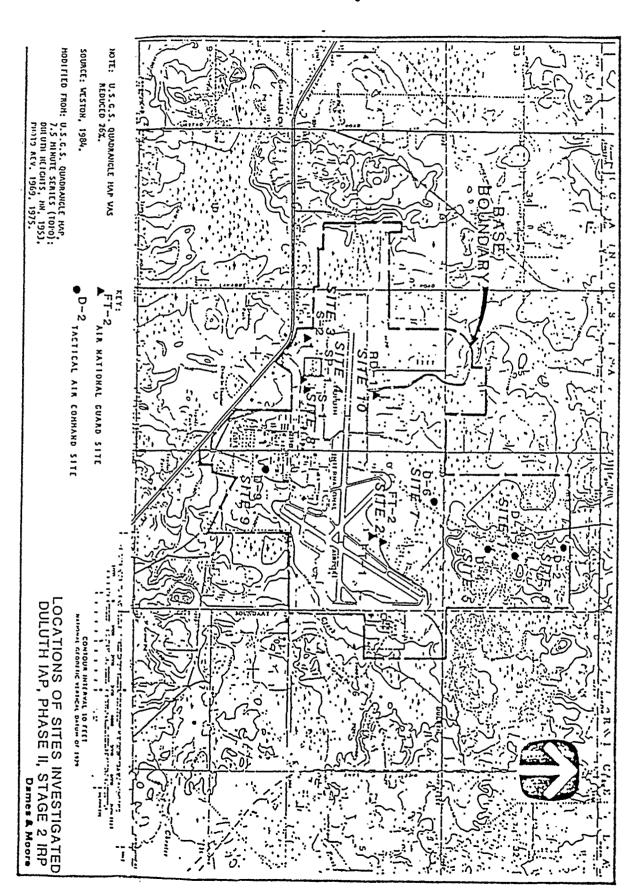


Fig. 2 Site 2, 3, 4, 8, and 10 location map.

milestones/decision points. The plan shall include provision for obtaining written authorization from the Energy Systems Project Manager at the conclusion of each task before initiating work on the next. The Project WP shall include at least the following:

o a baseline technical methodology for project completion,

o the project QA/QC Plan,

- o the project Health and Safety Plan, and
- o the project Community Relations Plan.

The Project WP shall be updated and resubmitted for approval biannually, on or before the 15th of January and the 15th of July, for each fiscal year (October 1-September 30) in which project work is anticipated to continue into the next fiscal year.

6.1.1 Baseline Technical Methodology for Project Completion

The Subcontractor shall prepare a Baseline Technical Methodology for completing its work, in its entirety, at the Base. The methodology shall at least address the following:

- o coordination of Subcontractor activities on the Base and development of site evaluation priorities,
- o procedures for completing an evaluation of the general area and site-specific hydrology and geology,
- \circ o recommended geophysical investigation methods to be employed, \aleph^π o recommended surface and subsurface investigation techniques,

 r^{2} o recommended air sampling and monitoring techniques,

o development of general and site-specific maps and geological cross sections and/or modeling techniques to be employed,

r o identification of permit requirements,

- o recommendations (procedures, timing, and other considerations) for development of decision documents and focused FSs, and
 - r 10 a summary of the applicable regulatory guidelines governing pertinent environmental contaminants and their concentrations in the soil and groundwater at this Base.

The Subcontractor shall include a detailed rationale in the discussion for each of the above. The Subcontractor shall also include a baseline schedule and estimate of expenditures by month through the end of the first full fiscal year, and quarterly thereafter, for the entire project. The schedule shall address each of the major tasks in the SOW, with additional breakdowns to cover each anticipated iteration of work under the RI and FS portions of the program.

6.1.2 Project Quality Assurance/Quality Control Plan

The Project QA/QC Plan shall contain data management and field and laboratory QA/QC procedures, including as a minimum:

o sample chain-of-custody requirements;

o sample handling protocols;

o specifications or regulations for QA/QC duplicate samples, field blanks, and decontamination rinseate samples;

o specifications or regulations for field and laboratory data management:

o specifications or regulations for decontamination procedures; and

o procedures, regulations, and requirements for disposal of investigation-generated wastes.

The Subcontractor may reference previously developed and approved IRP QA/QC planning documents to satisfy this criterion. At least five copies of the documents shall be submitted with the Project WP if this option is used.

6.1.3 Project Health and Safety Plan

The Project Health and Safety Plan shall address general requirements to ensure safe working conditions during the RI. The components of this plan shall include:

o requirements for protective clothing and equipment;

o a detailed description of safety monitoring equipment and the analytical accuracy it provides;

o procedures for controlling site access;

- o procedures for communication with various emergency response organizations, such as police and fire departments and hospitals;
- o decontamination procedures for personnel and equipment.

The Project Health and Safety Plan shall provide for the designation of a Site Safety Coordinator to be responsible for enforcement of the program.

References -- such as American National Standards Institute (ANSI)
Standard Z88.2-1980, American National Standard Practices for Respiratory
Protection; National Institute of Occupational Safety and Health (NIOSH)
Publication No. 84114, Personal Protective Equipment for Hazardous
Materials Incidents; and 51 FR 45654, December 19, 1986, 29 CFR Pt.
1910.120, Hazardous Waste Operations and Emergency Response: Interim Final
Rule, Department of Labor, Occupational Safety and Health Administration
(OSHA) -- shall be consulted in the preparation of this plan.

The Subcontractor may reference previously developed and approved IRP Health and Safety planning documents to satisfy this criterion. At least five copies of such documentation shall be provided to the Energy Systems Project Manager with the Project WP if this option is used.

6.1.4 Project Community Relations Plan

The Subcontractor shall prepare a general Project Community Relations Plan that addresses procedures to be employed to provide the Base Public Affairs Office with timely and accurate assessments of the IRP status at Duluth ANGB in support of their community relations effort. The plan shall include a listing of project participants and their telephone numbers and addresses. The plan shall also provide a similarly detailed listing of local media representatives, key political figures, and regulatory officials for reference by the IRP project team.

6.2 TASK 2 - REMEDIAL INVESTIGATION

The Subcontractor shall conduct RIs necessary to characterize the sites to be addressed at Duluth ANGB. Activities to be conducted shall include, but not be limited to, evaluation of existing reports and data, preparation of detailed WPs, implementation of approved WPs, compilation and verification of analytical data, preparation of reports, analysis of data, and preparation of resulting recommendations and conclusions. Relevant reports shall be examined with the purpose of establishing a comprehensive (Base-wide) preliminary understanding of the areal hydrogeology as well as identifying potential downgradient human and environmental receptors.

It is recognized that satisfaction of the objectives of the RI will require a staged, or iterative, approach to completing required fieldwork.

All reports, plans, and technical memoranda prepared in the course of completing this task shall be submitted in at least three revisions (internal draft, draft, and final).

6.2.1 Remedial Investigation Work Plan Development

All WPs developed for conducting necessary field investigations shall be prepared in accordance with the provisions of this section.

Within 4 weeks of notice to proceed (NTP) on WP development from the Energy Systems Project Manager, the Subcontractor shall submit at least 15 copies of the plan for internal Energy Systems and NGB review. This Internal Draft WP shall at least include the following:

- o the Remedial Investigation Sampling Plan (RI Sampling Plan) for site characterization,
- o site-specific QA/QC Plans,

o site-specific Health and Safety Plans, and

o a stand-alone detailed cost estimate in two parts: an estimate for implementation of the WP and an updated summary of the project baseline estimate for completion of all of the remaining work through the RD.

6.2.1.1 Remedial Investigation Sampling Plan

The RI Sampling Plan shall consist of a detailed description of the Subcontractor's approach to, and the technical rationale for, characterizing the sites described above. As a minimum, the RI Sampling Plan shall include information on

- o identification of Subcontractor personnel and lower-tier subcontractors responsible for implementing the RI Sampling Plan;
- o identification of all required equipment, materials, and supplies for the RI;
- plans and objectives of all geophysical and/or soil organic vapor (SOV) surveys;
- o plans and objectives for all borings, wells, test pits, and other direct physical investigations planned, including any site preparation activities such as clearing and grubbing, demolition of existing site features, or on-site construction activities;
- o the number, types, and locations of all samples to be taken;
- o the methods of sample acquisition, preparation, and analysis;
- o the design, construction, and abandonment procedures for soil borings, monitoring wells, test pits, etc.;
- o identification of all required permits; and
- o a detailed schedule for implementing the various tasks identified in the WP.

It is essential that specific rationale be provided in the WP to substantiate the technical approach presented for characterizing each site and that all procedures and methods described in the RI Sampling Plan be in accordance with applicable federal, state, and local regulations.

6.2.1.2 Quality Assurance/Quality Control Plan

The Project QA/QC Plan shall be supplemented with site-specific plans to address the work to be completed in the approved WP. This shall at least include

- o site-specific quantities of QA/QC duplicate samples, field blanks, and decontamination rinseate samples;
- o case-specific requirements for field and laboratory data management;
- o special decontamination requirements, if any; and
- o any special or unique procedures, regulations, and requirements for disposal of investigation-generated hazardous wastes.

The Subcontractor's main contract laboratory shall analyze 10% of the samples in duplicate (internal field duplicates). Duplicates requested by the various regulatory agencies or other approved parties shall be made from the same base samples. In the event that duplicate samples are requested by the regulators, additional duplicates shall be made from the same base samples and sent to Energy Systems for analysis. The Subcontractor's analytical laboratory will be required to analyze performance evaluation samples before participating in this program.

Specific requirements regarding analytical laboratory QA/QC are included in the Energy Systems IRP QA/QC Guide, which has been provided under separate cover.

Samples for analysis by Energy Systems should be sent to:

Martin Marietta Energy Systems, Inc. Oak Ridge Gaseous Diffusion Plant Hwy 58 Building K1004C, Drop Point A20 Oak Ridge, TN 37831

Attention: Mitzi Miller

All duplicate soil and water samples, other than those for volatile organic analysis, shall be composited upon collection in an appropriately large container with the original sample in the field. The samples shall then be homogenized and subsampled, using the appropriate unit sample containers, in a laboratory or other uncontaminated location. Duplicate samples for volatile organic analysis should be collected in succession in glass bottles with Teflon septa caps. The volatile organic samples should not be subsampled.

All information pertinent to field activities shall be recorded in a daily field log, preferably a bound logbook with consecutively numbered pages. Entries in the log shall be made in water-resistant ink and shall include at least

- o the names and affiliations of field personnel;
- o a general description of the day's field activities;
- o documentation of weather conditions during the previous 48 hours;
- o field equipment calibration data; and
- o field measurements, such as temperature, pH, conductance, and readings from personnel safety instruments.

The field log shall be included as an appendix to the RI Report (see Sect. 6.2.2.6.

6.2.1.3 Health and Safety Plan

The Project Health and Safety Plan shall be supplemented by site-specific requirements to ensure safe working conditions during the RI. The items to be addressed in the site-specific plans shall at least include

- o identification of hazardous materials likely to be encountered at each site and a detailed list of the equipment, clothing, and other supplies necessary for safe access to the site;
- o specific plans for controlling site access;
- o specific procedures for communication with, and access to, various emergency response organizations, such as police and fire departments and hospitals; and
- o specific decontamination procedures for personnel and equipment.

The site-specific supplements to the Project Health and Safety Plan shall include identification of the Site Safety Coordinator to be responsible for program enforcement on-site.

6.2.1.4 Work Plan Review and Revision

The WP shall be revised in accordance with the following as a minimum.

Within 2 weeks of the delivery of the Internal Draft WP, the Subcontractor shall attend a review meeting to present and receive comments on the WP. Within 3 weeks of the conclusion of this meeting, the Subcontractor shall submit at least 15 copies of a Draft WP that addresses NGB and Energy Systems comments. The Draft WP shall be accompanied by a detailed cost estimate for completing the outlined work (see Sect. 6.2.1.5 below).

Within 5 weeks of submission of the Draft WP and/or at the conclusion of a 4-week suspense period for regulatory review of the WP, the Subcontractor shall attend a review meeting at which the Draft WP will be presented to the NGB, Energy Systems, and regulatory agencies, and review comments will be addressed. Within 3 weeks of the conclusion of this meeting and/or receipt of written comments, the Subcontractor shall submit at least 15 copies of a final WP that addresses those comments.

6.2.1.5 <u>Cost Estimates</u>

Along with the Internal Draft WP and under separate cover, the Subcontractor shall provide a working cost estimate for completion of the work. The estimate shall address the specific costs associated with implementation of the WP, preparation of the RI Report, and generation of the next WP and shall include breakdowns by site, task, and unit time (monthly) for direct labor (level of effort and costs), travel, fieldwork, sample analysis, and reporting.

6.2.1.6 Other Requirements

The Subcontractor shall plan to provide support for the Base community relations effort. That support shall include at least providing information for periodic releases to the Base Public Affairs Officer and other community relations support as required by the Base.

6.2.2 Remedial Investigation (Fieldwork)

Upon NGB and the Energy Systems Project Manager's approval of the Final WP, the Subcontractor shall initiate fieldwork and analyses in accordance with written direction from the Energy Systems Project Manager. The data accumulated from the fieldwork shall be verified and compiled into a report (RI Report), which shall include at least three revisions (internal draft, draft, and final). After analyses are completed but before completion of the Internal Draft RI Report, the Subcontractor shall hold an RI progress briefing for the NGB and Energy Systems, which will include a data summary with graphic display and preliminary recommendations.

Upon identification of a need to deviate from the approved WP while conducting field investigations, the Subcontractor shall provide the following to the Energy Systems Project Manager in writing:

- o a technical narrative of the proposed change and supportive rationale;
- o recommended samples and analyses;
- o requirements for materials, supplies, and equipment to support the effort;
- o an estimate of the decrease or increase in cost as a result of these recommendations; and
- o an estimate of the impact of the change on the program schedule. The Subcontractor shall obtain approval from the Energy Systems Project Manager before implementing any requested deviation from the approved WP.

6.2.2.1 <u>General Requirements</u>

All well drilling, development, purging, and sampling methods must conform to state and other applicable, relevant and appropriate requirements (ARAR's). All required permits for well drilling must be obtained by the Subcontractor.

The Subcontractor shall comply with all applicable EPA, Air Force Occupational Safety and Health, OSHA, state, and any other applicable regulations and procedures concerning safety during drilling, sampling, and analytical activities.

The Subcontractor shall monitor the ambient air above all exploratory well drilling and borehole operations with a photoionization meter or equivalent organic vapor detection device to identify potential generation of hazardous and/or toxic materials. In addition, the Subcontractor shall monitor drill cuttings for discoloration and odor. During drilling operations, if soil cuttings are suspected of being hazardous, the Subcontractor shall perform tests for toxicity, ignitability, petroleum hydrocarbons, and volatile organics as appropriate. The results of these tests shall be included in the appropriate boring logs. If the samples are found to be contaminated, the Subcontractor shall place them in new, unused drums, prepare the manifest for Base signature, and make arrangements for shipment.

All activities requiring Subcontractor access to the Base (e.g., drilling operations, sample collections, well development and testing, and surveying) or affecting operations or any other activities of the installation shall be coordinated with appropriate Base personnel before implementation.

The Subcontractor shall be responsible for furnishing or arranging for water required for drilling, decontaminating, cleaning, and developing wells and for equipment.

Drilling logs shall be maintained by a qualified geologist or engineer and include a description of geologic units encountered, depths to water-producing zones, depth of each borehole, a pictorial representation of the screened interval for sampling/monitoring wells, the surveyed elevation of the well casing based on existing benchmarks, and results from gas and vapor monitoring. The Unified Soil Classification System shall be used for all boring logs.

The methods selected by the Subcontractor to perform hydraulic conductivity tests must be theoretically valid, given the geological conditions present at the sites. Such procedures may include, for example, instantaneous slug tests, permeameter tests, or stepped or continuous-rate pumping tests.

To minimize the potential for cross-contamination, all drilling equipment shall be decontaminated before the start of drilling, between borings, and before removal from the Base. Sampling equipment shall be decontaminated before sampling and between samples with a steam cleaning, followed by a thorough washing with a laboratory-grade detergent, followed by a contaminant-free isopropyl alcohol rinse and a contaminant-free distilled water rinse. Blank samples shall be taken from each batch of alcohol and distilled water used at the jobsite for laboratory analysis.

The Subcontractor shall be responsible for the collection, containment, and disposal of all fluids and waste materials generated by decontamination procedures and field investigations. Handling, transport, and disposal of these materials shall be performed in accordance with requirements mandated by the Resource Conservation and Recovery Act and all other applicable federal, state, and local regulations. The Subcontractor shall prepare a Uniform Manifest for Base signature and make arrangements for shipment.

The Subcontractor shall maintain a photographic record of all RI activities at the Base. Two copies of each print shall be submitted at the completion of each RI iteration.

6.2.2.2 Monitoring Wells/Soil Borings

All groundwater monitoring wells shall be of sufficient depth to collect samples representative of aquifer quality and to intercept contaminants, if present. Both "floaters" and "sinkers" presumed to be present shall be intercepted.

All boreholes shall be drilled using techniques that will minimize the amount of foreign material introduced into the borehole and that will permit the collection of relatively undisturbed soil samples. Drilling fluids should not be used unless they cannot be avoided. If compressed air is used as the drilling fluid, filters must be used to remove oil from the air. If drilling fluids are used, the types of well development must be documented and that documentation must accompany the well completion report.

Well casing and screens shall be fabricated from schedule 40 PVC pipe certified by the National Sanitation Foundation with factory-cut screen slots. Where conditions are severe enough to degrade and/or disintegrate PVC casing, stainless steel or Teflon casing, or combinations of stainless steel, Teflon, and PVC, shall be used. The Subcontractor shall determine slot sizing for the screens. All joints shall be clean, watertight, and flush threaded. No solvents, grease, or glues shall be used to join casings and screens. The bottom of the casing shall be permanently capped.

The well screen, casing, and centering guides shall be thoroughly cleaned before installation and centered in the borehole to ensure that the filter pack and seal can be evenly spaced around the screen and well casing. For wells screened at the water table, the screened interval shall be long enough to allow for fluctuations in the groundwater table elevation and set at a depth to allow any free-floating petroleum, oils, and lubricants on the water table to enter the well during sampling. Screened intervals >10 ft shall not be used unless seasonal variation of the water table exceeds 10 ft and the well is screened at the water table or specific authorization to do so is received from the Energy Systems Project Manager. Care shall be taken when monitoring wells are installed to allow for annual/seasonal variations in the water table. Unless a flush-mount design is used, the top of the casing shall extend at least 12 in. above ground elevation and shall have a threaded cap.

For a distance of 3 to 5 ft above and 2 ft below the screened interval, the annular space between the screened casing and the wall of the boring shall be filled with sand pack by the tremie method. The sand pack shall be a commercial filter pack of clean silica sand, which is washed and sized. The Subcontractor shall determine the appropriate grain size of the sand pack based on the grain size of the geologic material encountered and the slot size of the screen. During the development of the well, care shall be taken to ensure that the filter material remains at least 3 ft above the top of the screen. The annular space between the casing and the wall of the boring shall be sealed with bentonite pellets for a minimum distance of 1 ft above the sand pack. The remaining annular space above the bentonite seal shall be backfilled with a cement/bentonite grout by the tremie method.

The well shall then be developed by cyclic or intermittent pumping or surging, or both, with water and compressed air or by other methods approved in advance by the local regulatory authorities. Development shall continue until the full yield of the well is obtained and the discharge water contains <5 mg of particulates /L of water.

A protective steel casing shall be placed around each well and concreted into the ground to below frost depth. The concrete shall be formed into an apron to divert surface runoff away from the well. The protective casing shall extend approximately 10 in. above the well casing and shall be equipped with a locking cap. Flush-mounted well assemblies

shall also be provided with locking caps on the protective casings. Locks on all wells shall have one master key, to be turned over to the Base Civil Engineer upon completion of the fieldwork. The wellheads shall be provided with vented caps to avoid introduction of foreign matter into the well during removal of the protective casing cap. The aboveground portions of both the well casing and the protective casing shall be anted. The protective casing shall also have a weep hole near the ground surface to prevent accumulation of moisture in the wellhead. If an aboveground well completion assembly is used, the Subcontractor shall provide three, 3-in.-diam cement-filled schedule 40 steel bucking posts around the protective steel casing. The posts shall be 5 ft in total length and installed radially at equal intervals around the wellhead. The posts shall be recessed approximately 24 in. into the ground and set into independent concrete footings.

The elevation of all monitoring well casings shall be surveyed to an accuracy of ± 0.01 ft. Horizontal locations shall be surveyed to an accuracy of ± 1.0 ft. The designation of the well and the point on the casing from which the elevation is determined shall be clearly and permanently marked on the casing (using impact lettering), on the well boring log, and on project maps extracted from Base/Master plan drawings for each specific site or zone.

The horizontal location of all boreholes shall be surveyed to within ± 1.0 ft and shall be recorded on boring logs and on a project map for each specific site or zone.

On direction from the Energy Systems Project Manager and with concurrence from the NGB Project Officer, monitoring wells and borings shall be appropriately abandoned to prevent subsequent contamination. The Subcontractor shall document the abandonment of each well. Abandonment procedures shall be in accordance with EPA, state, and local regulatory guidelines.

6.2.2.3 Soil Organic Vapor Survey

If planned, the Subcontractor shall survey SOV by withdrawing samples of soil gas from appropriate depths and analyzing each sample in accordance with the approved WP. The Subcontractor shall determine appropriate methods for collecting soil gas samples and submit them for approval in the RI Sampling Plan. While conducting the field investigation, the Subcontractor shall document all procedures implemented.

6.2.2.4 Sampling

Sample collection, preparation, shipment, and analysis shall be completed in accordance with EPA protocols. All sampling equipment, including components of the sampling interface, shall be decontaminated before use, between samples, and between sampling locations. Soil samples shall be obtained by using a split spoon (or equivalent) sampler. Groundwater samples shall be collected with a Teflon or stainless steel

bailer after three to five well volumes have been purged from the well and after temperature, pH, and specific conductivity have stabilized. Surface water samples shall be taken with weighted-bottle samplers. All samples, except those for volatile organics, shall be collected into appropriate large containers, homogenized, and subsampled into smaller containers. Duplicate samples for volatile organics shall be collected in succession into glass bottles with Teflon septa caps. Volatile organic samples shall not be subsampled. The samples shall be preserved in the field, packed in properly chilled coolers, sealed, and shipped via overnight delivery to the analytical laboratories. All EPA chemical analysis holding times shall be observed.

6.2.2.5 Remedial Investigation Risk Assessment

Following each field study and compilation of the resultant field data, the Subcontractor shall conduct a risk assessment to determine the appropriateness of supplemental investigations or the need for development of an FS Report to address remedial alternatives for each site. The results of this study shall be used to provide the basis for the subsequent WP and shall be incorporated into the RI Report.

6.2.2.6 Remedial Investigation Report

An Internal Draft RI Report shall be prepared upon completion of the data analysis for the Final RI iteration. At least 15 copies shall be submitted. The report shall include a summary and interpretation of all data gathered during the complete RI for each site and the results from the RI risk assessment. The interpretation of the data shall conclude with a determination of the degree and extent of contamination, if any, and, for each site, one of four recommendations shall be made and supported: (1) take no further action or initiate long-term monitoring (decision document required), (2) acquire additional data, (3) initiate preparation of engineering plans and specifications for removal of the contamination (immediate removal), or (4) conduct an FS.

Within 2 weeks of delivery of the Internal Draft RI Report, the Subcontractor shall attend a review meeting and receive comments from the NGB and Energy Systems. Three weeks after the conclusion of this meeting, the Subcontractor shall submit at least 15 copies of a Draft RI Report that addresses comments from the NGB and Energy Systems.

Within 6 weeks of submission of the Draft RI Report, the Subcontractor shall attend a review meeting at which the document shall be presented to the NGB, Energy Systems, and regulatory agencies. Within 3 weeks of the conclusion of this meeting, the Subcontractor shall submit at least 15 copies of a Final RI Report that addresses comments as directed by the NGB and Energy Systems.

The RI Report shall be a stand-alone document with format in accordance with EPA <u>Guidance on Remedial Investigations Under CERCLA</u>, dated May 1985 (Table 1).

6.2.2.7 Subsequent Work Plans

If additional field data are required, another WP shall be prepared detailing the Subcontractor's recommendations for obtaining the necessary data, including sufficient technical rationale to justify the recommended investigatory methods; locations where they are to be used; and number, type, and location of samples and analyses. This WP shall be developed and implemented as described in Sect. 6.2 above.

If the recommendations from the risk assessment and RI Report for one or more sites include proceeding with either FSs or preparation of RDs, the Subcontractor shall prepare phase-specific WPs for proceeding with those activities in accordance with this SOW. These WPs shall at least include a description of the activities, their durations, Subcontractor staffing to be used, a brief summary of the objectives of the effort, and the recommended means of accomplishing those objectives. Subcontractor staff plans shall be presented in accordance with the requirements outlined in Sect. 6.2.1.5 above. The WP development, review, revision, and approval cycle will be similar to that for the RI WPs outlined in Sect. 6.2 above.

6.2.2.8 Decision Documents

If a recommendation is made to develop a decision document to terminate RIs at a site and to delete the site from further evaluation in the FS phase of the program, the Subcontractor, on receipt of written instructions from the Energy Systems Project Manager, shall prepare those documents for the NGB. Decision documents shall contain a brief summary of site conditions, with detailed technical rationale to support the Subcontractor's recommendations. It is anticipated that generation of these documents will require at least three reviews and subsequent revisions. Satisfaction of this subtask will be dependent upon NGB, Energy Systems, and regulatory agency acceptance.

6.3 TASK 3 - FEASIBILITY STUDIES

Upon receipt of authorization from the Energy Systems Project Manager, the Subcontractor shall prepare an FS Report, which shall include at least the activities described in the following subsections. Depending upon the results of RI activities at the various sites, multiple FS Reports may be required.

Completion of the FSs shall be contingent upon acceptance of the FS Reports by the EPA, state, and local regulatory agencies; Energy Systems; and the NGB for all sites addressed in the reports. All work shall be completed in accordance with written instructions from the Energy Systems Project Manager.

Table 1. Remedial Investigation Report format

EXECUTIVE SUMMARY

- 1. INTRODUCTION
 - 1.1 Site Background Information
 - 1.2 Nature and Extent of Problem(s)
 - 1.3 Remedial Investigation Summary
 - 1.4 Overview of Report
- 2. SITE FEATURES INVESTIGATION
 - 2.1 Demography
 - 2.2 Land Use
 - 2.3 Natural Resources
 - 2.4 Climatology
- 3. HAZARDOUS SUBSTANCES INVESTIGATION
 - 3.1 Waste Types
 - 3.2 Waste Component Characteristics and Behavior
- 4. HYDROGEOLOGIC INVESTIGATION
 - 4.1 Soils
 - 4.2 Geology
 - 4.3 Groundwater
- 5. SURFACE WATER INVESTIGATION
 - 5.1 Surface Water
 - 5.2 Sediments
 - 5.3 Flood Potential
 - 5.4 Drainage
- 6. AIR INVESTIGATION
- 7. BIOTA INVESTIGATION
 - 7.1 Flora
 - 7.2 Fauna
- 8. BENCH AND PILOT TESTS
- 9. PUBLIC HEALTH AND ENVIRONMENTAL CONCERNS
 - 9.1 Potential Receptors
 - 9.2 Public Health Impacts
 - 9.3 Environmental Impacts
- 10. RECOMMENDATIONS

REFERENCES

APPENDIXES

6.3.1 <u>Screening, Development, and Evaluation of Alternatives</u>

6.3.1.1 Screening of Control Measures

To reduce the number of control measures to be considered for the development and review of detailed alternatives, all con rol measures, including management methods and technologies relevant to remediation of site problems identified in the RIs, shall be screened on the basis of feasibility, cost, and environmental and public health impacts. Control methods shall not be eliminated solely because of a lone inability to meet standards. When used in conjunction with other control measures, those standards may be able to be met. Innovative, unique, or unproved technologies that have relevant application to site problems shall be brought to the attention of the Energy Systems Project Manager.

6.3.1.2 Development of Detailed Alternatives

Detailed alternatives shall be developed from the control measures that passed the screening process. The alternatives shall be described with sufficient detail to apply the evaluation and selection criteria discussed below. The "no action" alternative also shall be developed.

The descriptions of each detailed alternative shall include, at a minimum, identification of technologies incorporated; key design assumptions that will affect performance, implementability, environmental impact, or cost; measures needed to ensure worker safety during implementation; and identification of management methods incorporated, such as land-use controls, right-of-way acquisition, personnel training and supervision, permanent relocations, and coordination with federal, state, and local agencies.

The cost information for each detailed alternative shall include estimates of capital costs, operating and maintenance (O&M) costs, present-worth analysis, and sensitivity analysis.

The <u>Air Force Installation Restoration Program Management Guidance</u>, July 1985, provides information and references from which costing can be derived.

6.3.1.3 Evaluation of Detailed Alternatives

An evaluation of each detailed alternative shall be performed using five criteria: engineering feasibility, cost analysis, public health analysis, environmental assessment, and regulatory requirements.

The Subcontractor shall prepare a narrative matrix that presents the major conclusion of the evaluation of each detailed alternative, including an evaluation of the effectiveness of each. The engineering feasibility criterion shall focus on performance, reliability, and implementability.

When the cost analysis is performed, four types of costs shall be examined: capital costs, 0&M costs, best estimates of present worth, and range of present worth calculated from the sensitivity analysis. These costs shall provide the basis for comparing the costs of the detailed alternatives and shall be summarized in a table for each site. All major uncertainties in costs shall be discussed, and recommendations shall be made for dealing with them.

The public health analysis shall focus on three areas: degree of immediate and long-term public health protection, levels at which remedial alternatives reduce adverse long-term effects of residual contamination, and worker health and safety.

The factors to be considered in performing the environmental assessment can be divided into two categories: the "no action" alternative and the detailed alternatives. For the "no action" alternative the environmental assessment shall include determination of the value or uses of the land, water, air, and biotic resources that are, or threaten to become, contaminated; identification and, to the extent practicable, quantification of environmental impacts that exist or are likely to develop; and assessment of the significance of those impacts.

The environmental assessment of the detailed alternatives shall address impacts on public health, water quality, air quality, flora and fauna, socioeconomics, land use, the groundwater flow regime, and cultural resources to the extent that any such impacts distinguish among alternatives or are otherwise significant to the selection of the best alternative. Reasonable means of mitigating adverse impacts shall also be identified.

The Subcontractor shall identify and address any significant adverse environmental impacts associated with implementation of the alternatives under consideration. These impacts shall be included in the detailed evaluation of each alternative or combination of alternatives.

Detailed alternatives shall be reviewed for their level of compliance with standards, regulations, guidances, advisories, and ordinances. The safety and practicability of an alternative shall be reviewed when requirements are not definitive or achievable. The time needed to obtain permits or achieve compliance with standards shall be reviewed for each alternative.

6.3.1.4 Alternatives Evaluation Report

An interim Alternatives Evaluation Report (AE Report) shall be prepared to summarize in the form of a narrative matrix the evaluation of detailed alternatives in terms of each of the evaluation criteria. The report shall include at least a table summarizing the cost analysis for each detailed alternative and the Subcontractor's recommended alternative(s) with supporting rationale.

6.3.1.5 Alternatives Evaluation Report Briefing

Within 2 weeks of delivery of the interim AE Report, the Subcontractor shall brief the NGB and Energy Systems on the AE Report. The objective of this briefing will be to reach a consensus on the alternative(s) on which the FS should focus. Two weeks after the conclusion of this briefing, the Subcontractor shall present a second briefing for regulatory officials to obtain regulatory concurrence.

6.3.2 Description of Selected Alternatives

Having reached a consensus among participants in the FS as to the selection of the alternative(s) that best meet IRP objectives, the Subcontractor shall describe the alternative(s) in detail, including at least the following information: (1) conceptual design drawing(s) of the overall site(s) showing general locations for project actions and facilities; (2) an engineering description, including conceptual design criteria and rationale, of the recommended remedial alternative for each site; (3) an operational description of process units or other facilities; (4) types of equipment required, including approximate capacity, size, and construction materials; (5) unique structural concepts for facilities; (6) a list of additional engineering data required to proceed with design; (7) an estimated volume of materials to be excavated; (8) a preliminary project schedule for completion of the detailed design effort and implementation in the field; (9) a cost analysis, including implementation cost estimates, O&M cost estimates, and duration of operating expenses; and (10) a regulatory compliance analysis, including construction and environmental permit requirements, a description of technical requirements for environmental mitigation measures, right-of-way requirements, and operating permit requirements.

The descriptions shall be comprehensive and of sufficient detail for use as a baseline document for the design and construction of the selected remedial alternative(s).

6.3.3 Environmental Assessment

The Subcontractor shall prepare a stand-alone Environmental Assessment that documents all environmental analyses conducted in support of FS Report preparation. The Environmental Assessment shall include at least summary descriptions of detailed alternatives considered in the FS, the environmental impact analyses for each alternative, and references to all data cited, or the actual data used, in support of the analyses.

6.3.4 Internal Draft Feasibility Study Report

Within 4 weeks of the AE Report regulatory briefing, the Subcontractor shall submit at least 15 copies of an Internal Draft FS Report. The report shall at least include an introduction and reports from Sects. 6.2.1.1-6.3.1.4 and 6.3.2 above. The report format shall be similar to that shown in Table 2.

Within 2 weeks of delivery of the Internal Draft FS Report, the Subcontractor shall attend an Internal Draft FS Report review meeting to be held at the Air National Guard Support Center, Andrews Air Force Base, Washington, D.C.

6.3.5 Draft Feasibility Study Report

Within 4 weeks of the conclusion of the Internal Draft FS Report review meeting, the Subcontractor shall submit at least 15 copies of a Draft FS Report that addresses all comments received at the meeting.

Within 4 weeks of delivery of the Draft FS Report, the Subcontractor shall attend a Draft FS Report review meeting to be held at Duluth ANGB to present the Draft FS Report and receive comments from the NGB, Energy Systems, and regulatory agency officials.

5.3.6 Final Feasibility Study Report

Within 4 weeks of receipt of formal comments from the Draft FS Report review, the Subcontractor shall prepare the Final FS Report, including documentation of any modifications to the Draft FS Report, technical considerations, the responses of the NGB to regulatory agency comments, and either a Record of Decision or a Decision Document.

6.4 TASK 4 - REMEDJAL DESIGN AND TECHNICAL SUPPORT

Following either completion of the FS Report or a decision document with a risk assessment indicating that development of detailed engineering plans and specifications for site remediation should be initiated and upon receipt of approval from the Energy Systems Project Manager, the Subcontractor shall submit a detailed schedule and cost estimate for preparation of the design package. More than one site may be included with each of the design packages.

6.4.1 Remedial Design

The final design package shall include at least engineering drawings and technical specifications, a detailed construction bid-check estimate, health and safety plan requirements, field and analytical QA/QC requirements, identification of all required permits for completing the work, components of the construction bid package required by the Base Contracting Office (provided to the Subcontractor with guidance for its preparation by Base personnel), and a schedule for implementation. The design process shall include provision for at least three design reviews and subsequent revisions before release of the finished documents.

Table 2. Report format for the Feasibility Study Report

Report Cover
Title Page
Disclaimer
Report Documentation Page (including Abstract and a blank page)
Preface
Contents
List of Figures
List of Tables
Summary

- I. INTRODUCTION
- II. ENVIRONMENTAL SETTING
- III. FIELD PROGRAM
- IV. DISCUSSION OF RESULTS AND SIGNIFICANCE OF FINDINGS
- V. ALTERNATIVE MEASURES
- VI. RECOMMENDATIONS

APPENDIXES (when applicable, not necessarily in the following order)

- a. Definitions, nomenclature, and units of measurements
- b. A copy of the latest task description/SOW
- c. Well numbering system
- d. U.S. Geological Survey well logs, well completion logs, and geological drilling logs
- e. Field raw data
- f. Sampling and analytical procedures (including field and laboratory QA/QC plans used for this project); including summary of sampling methods used, detection levels, and holding times must be included in the appendix
- g. Chain-of-custody forms
- h. Analytical data, including internal QC data (laboratory blanks, spikes, and duplicates) must be included in this appendix
- i. Correspondence with federal, state, and/or local regulatory agencies must include the names of all approving state regulatory personnel and dates on which they accepted drilling techniques; well development, purging, and sampling methods; and any other pertinent coordination activities
- j. References, including tabulation of reduced data, if any, from previous RI/FS stages
- k. Biographies of key personnel
- 1. Geophysical tracings
- m. Technical Operations Plan and Safety Plan (used on this project)

6.4.2 Technical Support During Remediation

To ensure compliance with the design documents and to assist in determining the correct response to unanticipated findings, if any, the Subcontractor shall plan to provide on-site technical support to the Base Contracting Office during the remediation process. This effort shall require at least maintenance of a daily log of events and conditions encountered at the site, submission of periodic progress reports, and preparation of a final report at the conclusion of site activities. The report shall summarize what was done and the results of analyses conducted, and shall include recommendations for the disposition of the site with technical justification. The final report will undergo at least two revisions. Satisfactory conclusion of these activities will be dependent upon receipt of written concurrence to that effect from the Energy Systems Project Manager.

7. MEETINGS

The Subcontractor shall plan to attend the specific meetings outlined above and shall plan supplemental meetings necessary for coordination of project activities. This shall include at least meetings with IRP Technical Review committees, IRP project managers (Energy Systems, Base, and NGB, as appropriate), and regulatory agency representatives. These meetings will be of varying duration and at various locations. Meetings should be outlined in each task WP submitted in support of this SOW.

Within 1 week of meeting completion, the Subcontractor shall be responsible for submitting at least five copies of draft summary minutes of all meetings attended. The minutes shall include at least a summary (not a transcript) of key issues discussed and their disposition, a list of meeting attendees with addresses and telephone numbers, and any other pertinent information discussed at the meeting. Upon approval of this summary, at least 15 copies (total) shall be submitted to persons on a distribution list (also prepared by the Subcontractor during the meeting) approved by the Energy Systems Project Manager.

8. PROGRESS REPORTS

The Subcontractor shall submit to the Energy Systems Project Manager monthly letter reports summarizing contract progress to date. Each report shall address any problems encountered in completing the various tasks and any changes in scope or direction from the original proposal, including schedule impacts. The letter report shall be accompanied by a Contract Management Summary Report (Attachment 1). The actual effort expended vs scheduled levels of effort, planned and actual percent of completion, and planned and actual costs shall be

reported on a task order basis by using the format given in Attachments 2 and 3. The monthly progress reports shall be submitted by the seventh working day of each month for the duration of the Task Order.

9. SCHEDULE

The Subcontractor shall provide a detailed schedule of meetings, milestones, and deliverables in the proposal to address this SOW. Upon written request of the Energy Systems Project Manager and at least as a part of each task WP prepared under this task order, the Subcontractor shall update the schedule.

10. SPECIAL CONSIDERATIONS

Initiation of work on each individual task and subtask in response to this SOW must be approved in advance by the Energy Systems Project Manager in coordination with the NGB after the Task Order has been formally executed.

Written responses shall be submitted by the Subcontractor for all written comments generated during the review of project deliverables. Copies of the comment responses shall be provided for all participants in the review process for each particular deliverable.

Draft reports addressed in this SOW are considered "drafts" only in the sense that they have not been reviewed and approved by Energy Systems and the NGB. In all respects, "draft" reports shall be complete, in proper format, and free of grammatical and typographical errors. All draft reports shall be thoroughly screened through in-house peer technical review before being released to Energy Systems and the NGB.

At least three microfiche and one camera-ready copy shall be submitted for all Energy Systems- and NGB-approved final reports prepared in response to this SOW.

All material gathered and/or developed in the performance of the tasks listed in this SOW shall be the property of the NGB and shall not be used or distributed by the Subcontractor without the specific written permission of Energy Systems and the NGB. After completion of the project, all materials shall be returned to Energy Systems, which will return any such documents to the NGB.

Neither the Subcontractor nor the Subcontractor's personnel shall give out any news releases or conduct media interviews concerning the work performed under this SOW. All media inquiries should be directed to the NGB Public Affairs Office, Washington, D.C.

With respect to the performance of all or any portion of the work under the effective interagency agreement, it has been agreed that affiliates of DOE's Operating Contractor (Energy Systems) shall not be restrained or restricted from competing for related follow-on contracts or subcontracts to be awarded by the NGB or Duluth ANGB.

Attachment 1

CONTRACT MANAGEMENT SUMMARY REPORT

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Attachment 2

EXAMPLE Task-by-task cost reporting format

XYZ Air National Guard Base Remedial Investigation/Feasibility Study PROJECT:

TASK: Task 1 - (Name)

Period Ending	Task t Percent	otal complete	Task t Staff-		Task total Funds expended		
(Date) —	Planned (%)	Actual (%)	Planned	Actual	Planned (\$)	Actual (\$)	
Jan 5	51	50	210	229	11,550	12,600	
Feb 6	100	100	200	182	11,000	9,500	
Mar 6	0		0		. 0		
Apr 3	0		0		0		

PROJECT: XYZ Air National Guard Base

TASK: Task 2 - (Name)

Period Ending	Task t Percent	otal complete	Task t Staff-		Task total Funds expended		
(Date)		Actual (%)	Planned	Actual	Planned (\$)	Actual (\$)	
Feb 6	39	55	430	440	23,700	24,200	
Mar 6	100		685		0		
Apr 3	0		0		0		
May 4	0		0		. 0		

NOTE: The "planned" columns are to be filled out for the entire project at the beginning of work and reported for the duration of the project. No revisions to these figures are to be made without explicit Company approval, and when made, are to be permanently noted on this form and any necessary attachments. Completed tasks are not to be deleted from the monthly task order reports until all task-related costs have been invoiced.

Allachment 3
Sample formal for detailed project scheduie

NOTE: Monthly progress reports are to show acheculed vs octual (1. e., acheculed/actual) hours and costs.

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PROJECT TEAM BIOGRAPHICAL SUMMARIES

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SECTION C.1 INTRODUCTION

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SECTION C.1 INTRODUCTION

The biographical data for the ES project team members are presented in this Appendix. These individuals and their responsibilities are as follows:

Boline, Duane R. - Quality Assurance Manager

Davis, Kimberly L. - Risk Assessment

Grunwald, Edward L. - Project Health and Safety Officer

Hardeman, John D. - Field Team Leader

Hayden, William F. - Deputy Project Manager

· McLeod, Robert S. - Project Manager

Riemersma, Peter E. - Project Hydrogeologist

Roddy, Michael S. - Project Hydrogeologist

Sargent, Thomas N. - Principal in Charge

Schultz, Sharon A. - Water Sampling Supervisor

Shangraw, Timothy C. - Soil Gas Survey Supervisor

Sherwin, Jo Ann - Senior Geologist

Thoem, Robert L. - Program Technical Director

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SECTION C.2
PROJECT TEAM BIOGRAPHICAL SUMMARIES

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DUANE R. BOLINE, PH.D

ES Laboratory Program Manager

EXPERIENCE SUMMARY

Dr. Boline has six years of project and laboratory management experience and 10 years of academic research. He has experience in all aspects of environmental chemical analysis for organic and inorganic parameters. His primary area of technical expertise is the determination of heavy metals by atomic spectroscopy methods. Dr. Boline has managed major laboratory projects for commercial clients and governmental agencies including the EPA and the National Toxicology Program as well as the U.S. Air Force. Dr. Boline is also familiar with the chain of custody requirements, sample handling and presentation, data and recordkeeping and reporting procedures required for legally acceptable laboratory analyses. He has prepared quality assurance project plans for several hazardous waste site investigations and site monitoring projects. Dr. Boline has assisted in the preparation of the QA/QC plans for the sampling and analysis methods for the remedial work and Health and Safety Plans at many Air Force bases.

EXPERIENCE RECORD

1985-Date	Engineering-Science, inc.
1981-1984	Radian Corporation
1969-1980	College Professor
1962-1968	Secondary School Teacher

EDUCATION

B.S. in Physical Science, 1962, Emporia State University M.S. in Chemistry, 1965, Emporia State University PhD. in Analytical Chemistry, 1975, Kansas State University

PROFESSIONAL AFFILIATIONS

American Chemical Society Society for Applied Spectroscopy

PUBLICATIONS

Dr. Boline has authored four publications.

KIMBERLY L. DAVIS, E.I.T.

Environmental Engineer

EXPERIENCE SUMMARY

Ms. Davis has three years experience in hazardous waste management, regulatory compliance and biological treatment studies.

She participated in a RI/FS at Duluth Air National Guard Base in Minnesota, which included preparation of project and remedial investigation work plans, Feasibility Studies and health risk assessment. Field effort involved soil and water quality sampling.

While employed at Bechtel, Ms. Davis was responsible for maintaining regulatory compliance for the Department of Energy's Formerly Utilized Site Remedial Action Program. She also oversaw the renewal of a site-wide NPDES permit for Savannah River Plant in South Carolina.

As a research assistant at Clemson University, Ms. Davis conducted thesis research involving the modelling of the fate of a priority pollutant under varying environment conditions within a biological continuous flow system.

EXPERIENCE RECORD

1988-Date Engineering-Science, Inc.

1986-1988 Bechtel Environment, Inc.

EDUCATION

B.S. in Chemical Engineering, 1984, Clemson University M.S. in Environmental Engineering, 1988 Clemson University

PROFESSIONAL AFFILIATIONS

Engineer-in-Training (South Carolina No. 7509)
American Institute of Chemical Engineers
Air Pollution Control Association
Water Pollution Control Federation

PUBLICATIONS

Ms. Davis completed a thesis as a partial requirement for a M.S. Degree, entitled "Dynamics of Lysine and 2-Chlorophenol Removal by Two-Membered Continuous Cultures of Bacteria."

EDWARD L. GRUNWALD

Health and Safety

EXPERIENCE SUMMARY

Mr. Grunwald has extensive experience in the development and management of Safety and Quality Assurance Programs. He presently serves as Corporate Health and Safety Manager for Engineering-Science, Inc. Mr. Grunwald has developed training programs and has standardized health and safety procedures throughout the company and supervises all regional, office, and project health and safety officers.

He worked as a member of a multidisciplinary field investigation team (FIT) under contract with the U.S. Environmental Protection Agency (EPA) and developed the Health and Safety Standard Operation Procedures for the EPA's FIT office.

As a Quality Assurance Manager for the EPA Region IV FIT office he developed quality assurance/control standard operating procedures. Mr. Grunwald was a Project Manager for investigation of eight CERCLA sites under contract with EPA Region IV. All sites were ranked utilizing the Hazardous Ranking System.

EXPERIENCE RECORD

1985-Date Engineering-Science, Inc.

1983-1985 NUS Corporation

1982-1983 John Hopkins

EDUCATION

B.S. in Bacteriology, 1978, Ohio Wesleyan University

M.S. in Public Health (Toxicology Specialization), 1982, University of Massachusetts

PROFESSIONAL AFFILIATIONS

Society of Environmental Toxicology and Chemistry American industrial Hygiene Association

PUBLICATIONS

Health and Safety consideration for Hazardous Waste operations presented before Region IV EPA and State Officials.

Presentation before the Arizona Society of Safety Engineers concerning Safety consideration of underground storage tank investigations.

JOHN D. HARDEMAN, P.G.

Field Team Leader

EXPERIENCE SUMMARY

Mr. Hardeman has been responsible for collection and reduction of data for contamination assessment and remedial design at hazardous waste sites for three years. Representative experience includes the following:

Project Manager and Hydrogeologist for the remedial investigation project at McConnell Air Force Base, Kansas, for the Hazardous Waste Remedial Action Program (HAZWRAP). Responsibilities included design of RI Program.

Project Manager and Hydrogeologist for the USAF, Installation Restoration Program (IRP) Phase II, Stage 2 and Stage 3 work at Eglin Air Force Base, Florida. Responsibilities for Phase II, Stage 2 program included project management, supervision of field investigation data analysis and evaluation, and report preparation.

Hydrogeologist for USAF IRP, Phase II investigation at March AFB, California. Responsibilities included the supervision of well installation, soil gas surveys, aquifer testing, groundwater and soil sampling, data analysis and evaluation and report preparation.

Hydrogeologist for groundwater assessment programs for six oil and gas terminals in central and western Pennsylvania, an oil recycling facility in Atlanta, Georgia, and a battery recycling facility in Birmingham, Alabama.

EXPERIENCE RECORD

1986-Date Engineering-Science, Inc.

1982-1985 Geological Consultants, Inc.

1977-1982 Tenkiller Mining Services, Inc.

1976-1977 M.M. Pitts & Company, Inc.

1976-1976 Howard Schoenike and Associates

EDUCATION

B.S. in Geology, Georgia State University, 1975, Atlanta,

PROFESSIONAL AFFILIATIONS

Registered Geologist: Georgia, North Carolina and South Carolina.

Biological Data

WILLIAM F. HAYDEN

Chemical Engineer

EXPERIENCE SUMMARY

Over 39 years experience in the chemical industry in various functions including plant management with recent experience in design of water pollution control equipment, systems engineering, risk assessment, and project management.

Mr. Hayden was Project Manager for the design of a biological process for a DOE plant at Fernald, Ohio. He was Project Manager for the design of dissolved air flotation systems for Carborundum's Pollution Control Division. He also provided consultant services for a dry flue gas desulfurization process at a coal-fired power plant in North Dakota and most recently, was Deputy Project Manager for Remedial Investigation and Feasibility at Duluth, Minnesota Air National Guard Base.

EXPERIENCE RECORD

1988-Date	Engine	ering-	Science	Inc.
		VIII.	00101100	, 4110.

1985-1987 Lockwood-Greene Engineering, Inc.

1978-1985 Daniel, Mann, Johnson, and Mendenhall

1977-1978 Carborundum Company, Pollution Control Division

1975-1976 Riverside Chemical Company

1968-1975 Buckman Laboratories, Inc.

1949-1968 EI duPont deNemours

EDUCATION

B.S. in Chemical Engineering, 1948, Bucknell University M.S. in Chemical Engineering, 1949, Bucknell University

PROFESSIONAL AFFILIATIONS

American Chemical Society
American Institute of Chemical Engineers
Project Management Institute
Honorary Mathematics Fraternity

PUBLICATIONS

"Mechanism of Liquid-Liquid Solvent Extraction" Master's Thesis, Bucknell University.

ROBERT S. MCLEOD, P.E., P.G.

Civil Engineer and Geologist

EXPERIENCE SUMMARY

Mr. McLeod has more than 26 years of experience in ground water and surface water hydrology. He has served as project manager on various ground water studies and on studies involving remedial investigations (RI), feasibility studies (FS) and remedial design (RD) at hazardous waste facilities. His recent experience includes RI/FS/RD related studies for Principal Responsible Parties (PRP's) and for the Department of Defense at National Priority List (NPL) sites and non-NPL sites. Mr. McLeod is currently manager of the Engineering-Science, Oak Ridge Operations Office.

EXPERIENCE RECORD

1982-Date	Engineering-Science, Inc.
1980-1982	Law Engineering Testing Company
1964-1980	U.S. Geological Survey, Water Resources Division
1961-1964	U.S. Army Corps of Engineers

EDUCATION

B.S. in Civil Engineering, 1962, University of Illinois
M.S. in Civil Engineering, 1965, University of Wisconsin
Full -time advanced graduate studies in hydrogeology, 1966-1967 and 1969-70, University of Wisconsin

PROFESSIONAL AFFILIATIONS

Registered Professional Engineer, Georgia and Tennessee

Registered Professional Geologist, North Carolina and Tennessee

Certified Ground Water Professional, Association of Ground Water Scientists and Engineers

Certified Professional Ground Water Hydrologist, American Institute of Hydrology

PUBLICATIONS

Mr. McLeod authored four publications while with the U.S. Geological Survey, has authored numerous consulting engineering reports, has published in proceedings of the Hazardous Materials Control Research Institute and is an alternate reviewer for <u>Ground Water</u> magazine.

PETER E. RIEMERSMA

Hydrogeologist

EXPERIENCE SUMMARY

Field experience in collection and interpretation of hydrogeological data. Experience in the evaluation of technical and business proposals for remedial investigations and feasibility studies at hazardous waste sites. Technical training includes course work in geochemistry, ground water and hazardous waste management.

EXPERIENCE RECORD

1988-Date Engineering-Science, Inc.

1987-1988 Martin Marietta Energy Systems, Inc.

1987-1987 University of Utah

1985-1987 Petroleum Investment

EDUCATION

B.S. in Geology, 1984, University of Michigan.

M.S. in Geology, Expected March 1989, University of Utah.

PROFESSIONAL AFFILIATIONS

National Water Well Association East Tennessee Geological Society

PUBLICATIONS

"Shelf and Basinal Facies of the Lower Ferron Sandstone, East-Central Utah," presented at the SEPM Midyear Meeting, October 1986.

MICHAEL S. RODDY

Hydrogeologist

EXPERIENCE SUMMARY

While with Engineering Science, Mr. Roddy has been involved in field investigations and data interpretation of field results. During field investigations, he was involved in the installation of monitoring wells, core description, soil and groundwater sampling, streamflow measurements, and ground-water level measurements. He has interpreted slug test data, constructed ground water contour maps, and evaluated chemical data to determine extent, transport and fate of contaminants.

Mr. Roddy has conducted soil gas and ground-water investigations at numerous hazardous waste sites around the United States. He collected and analyzed soil gas and ground-water samples for volatile organic contaminants using gas chromatography. He interpreted the chemical data from soil gas and ground-water investigations to define the source and extent of contamination.

Mr. Foddy has conducted research involving basin brine-rock reactions, mineral stability, and metal solubilities and transport in solution. He performed geochemical sampling and evaluated geochemical data for scientific and economic implications. From experience and studies, he is familiar with several methods used for trace and major element metals analysis.

EXPERIENCE RECORD

1988-Date	Engineering Science
1987-1988	Tracer Research Corporation
1986-1987	Arizona Bureau of Geology and Mineral Technology
1983-1985	Graduate Assistant, University of Arizona

EDUCATION

B.A. in Geology, 1983, University of Tennessee M.S. in Geosciences, 1986, University of Arizona

PROFESSIONAL AFFILIATIONS

Registered Professional Geologist, Tennessee

PUBLICATIONS

Mr. Roddy has four publications with the Arizona Geological Survey and a paper entitled "K-Metasomatism and Detachment-Related Mineralization, Harcuvar Mountains" in GSA Bulletin (1988).

THOMAS N. SARGENT

Principal in Charge

EXPERIENCE SUMMARY

Mr. Sargent has over twenty years of experience in environmental engineering. Mr. Sargent, while with EPA, developed and administered a multi-disciplinary program for multi-media treatment of a variety of industrial wastes. His subsequent responsibilities included the position of Branch Chief in EPA's newly formed Industrial Environmental Research Laboratory. Mr. Sargent's responsibilities with ES have included Project Manager, Project Director, Technical Director and Corporate Vice President.

Technical Director for ES's involvement in the USAF Installation Restoration Program (IRP), activities (Phase I) conducted at over eighty USAF installations.

Program Manager and Technical Advisory Committee on USAF IRP Phase II projects. and Project Director for USAF IRP Phase IV projects.

Principal-in-Charge of Remedial Investigations at EPA Superfund clean-up sites in numerous states including Illinois, Florida, Louisiana and New York.

EXPERIENCE RECORD

1977-Date Engineering-Science, Inc.

1969-1976 U.S. Environmental Protection Agency

1967-1969 Howard K. Bell, Consulting Engineers

EDUCATION

B.S. in Civil Engineering, 1967, University of Kentucky M.S., Civil Engineering, 1968, University of Kentucky

PROFESSIONAL AFFILIATIONS

Diplomate, American Academy of Environmental Engineers Registered Professional Engineer (Georgia, D.C.) Society of American Military Engineers (Past Post Director) Water Pollution Control Federation FWPCA Water Pollution Traineeship

PUBLICATIONS

More than twenty five publications concerning environmental control technologies.

SHARON A. SHULTZ

Environmental Scientist

EXPERIENCE SUMMARY

Extensive environmental sampling experience during eight years of professional practice. Considerable experience in surface geophysical surveys, soil boring programs and computerization of environmental data. Specialized experience in planning and execution of field sampling programs and in laboratory analytical techniques.

EXPERIENCE RECORD

1984-Date	Engine	ering-S	cience,	Inc.
	0	- 0	,	

1984-1984 Applied Biology, Inc.

1983-1984 Claude Terry & Associates, Inc.

1980-1983 Applied Biology, Inc.

1980-1980 Mangrove Planting Crew

1979-1979 Applied Biology, Inc.

1978-1978 Florida Institue of Technology

EDUCATION

A.S. in Environmental Technology, 1980, Florida Institute of Technology.

TIMOTHY C. SHANGRAW

Water Resource Engineer

EXPERIENCE SUMMARY

Extensive ground and surface water experience relevant to hazardous waste management, mining, and environmental studies. Direct responsibility for hydrogeologic investigations, RCRA compliance, risk assessments and corrective action evaluations in the western United States.

EXPERIENCE RECORD

1984-Date Engineering-Science, Inc.

1983-1983 Law Engineering Testing Company

1980-1983 D'Appolonia Consulting Engineers

1979-1980 Cyprus Mines Corporation

EDUCATION

B.S. in Civil Engineering, 1977, Southeastern Massachusetts University M.S. in Civil Engineering, 1979, University of Colorado

PROFESSIONAL AFFILIATIONS

Registered Professional Engineer in Colorado

National Water Well Association

Colorado Ground Water Association

Colorado Association of Commerce and Industry

Colorado Hazardous Waste Management Society

International Mine Water Association

JO-ANN SHERWIN, PH.D., P.G.

Geologist

EXPERIENCE SUMMARY

Dr. Sherwin has 20 years of experience as a practicing geologist. Her background ranges from academic research to field exploration and includes seven years in academia, eight years in private industry and four years with the federal government. She has managed large field-oriented multi-discipline project teams for both the government and private industry. She most recently has been involved in Remedial Investigations, Feasibility Studies and Remedial Design Work for hazardous waste sites.

EXPERIENCE RECORD

1988-Date Engineering-Science, Inc.

1984-1988 U.S. Department of Energy

1978-1983 Mobil Oil Corporation

1976-1978 A. T. Massey Coal Co., Inc.

1969-1976 Wright State University

EDUCATION

B.A. in Geology, 1960, Brown University M.Sc.in Geology, 1966, Brown University Ph.D.in Geology, 1972, Brown University

PROFESSIONAL AFFILIATIONS

Registered Professional Geologist, Florida and Tennessee American Institute of Professional Geologists Society of Economic Geologists Association of Woman Geoscientists AGID - The Geological Association for International Development

PUBLICATIONS

Dr. Sherwin has authored several publications which have appeared in internationally recognized journals. She has given presentations at meetings of the American Chemical Society and the Geological Society of America. She has authored numerous reports including seven Environmental Assessments. She was elected to membership in Sigma Xi, the national scientific honorary society.

ROBERT L. THOEM

Technical Director

EXPERIENCE SUMMARY

Mr. Thoem has twenty five years of environmental engineering experience. His experience includes managing many large multi-discipline project teams. Mr. Thoem served in technical and managerial positions at Stanley Consultants. At Engineering-Science (ES) he has had Project Manager and Department Manager responsibilities.

Program Coordinator for ES on the current three-year contract with Martin Marietta Energy Systems on the Hazardous Waste Remedial Action Program (HAZWRAP). This has included coordinating task orders for twelve simultaneous USAF and ANG RI/FS projects. Mr. Thoem is also the Project Manager for one RI/FS task order and serves as a Technical Reviewer on all others.

Project Manager on fifteen USAF Phase I IRP projects which dealt with thirty one active installations. Project Manager for five industrial hazardous waste SI/RI/FS projects, including one NPL site. Project Manager for two hazardous waste remedial design projects.

EXPERIENCE RECORD

1983-Date Engineering Science

1966-1983 Stanley Consultants

1962-1965 U.S. Public Health Service

EDUCATION

B.S. in Civil Engineering, 1962, Iowa State University

M.S. in Sanitary Engineering, 1967, Rutgers University

PROFESSIONAL AFFILIATIONS

Registered Professional Engineer (Iowa, Illinois, Georgia, Alabama, South Carolina)

American Academy of Environmental Engineering (Diplomate)

American Society of Civil Engineers (Fellow)

National Society of Professional Engineers (Member)

Water Pollution Control Federation (Member)

PUBLICATIONS

Thirteen presentations and/or papers in technical publications dealing with environmental projects and project cost evaluations.

End of Appendix C.

APPENDIX D
PROCEDURES AND TEST METHODS

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SECTION D.1 INTRODUCTION

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SECTION D.1 INTRODUCTION

This appendix describes the procedures used in the field work done at the Minnesota Air National Guard Base, Duluth, Minnesota which was performed as part of the Remedial Investigation. The procedures for the chemical analyses performed at the laboratory are not included. The chemical analyses are discussed in detail in Appendix M.

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SECTION D.2
BOREHOLE DRILLING AND WELL CONSTRUCTION PROCEDURES

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SECTION D.2

BOREHOLE DRILLING AND WELL CONSTRUCTION PROCEDURES

This section contains descriptions of the field methods used for drilling, plugging, and abandoning boreholes, construction of monitoring wells, installation of well points and surface finishing of monitoring wells and well points. Monitoring well development procedures are described in Section D.3.

D.2.1 Drilling Procedures

Proposed well locations were staked in the field according to the Remedial Investigation Work Plan and were inspected by Air National Guard personnel in order to avoid damage to buried utilities. A Rotasonic drill rig was used to drill all but three of the deep boreholes for soil sampling, monitoring well construction and well point installation. Two deep boreholes for soil sampling and one borehole for well point installation were drilled using a hollow stem auger drill.

The drill rigs were decontaminated prior to initial use and before a move to a different site. Drill rigs were not decontaminated between borehole locations at the same site. The decontamination procedure used was:

- Step 1: Steam clean with potable water.
- Step 2: Steam clean with a non-phosphate detergent such as Liquinox.
- Step 3: Steam clean with potable water.
- Step 4: Allow to air dry.

During all drilling operations, a portable photoionization detector was used to monitor the breathing zone for organic vapors to determine the need for respiratory protection.

The drill pipe was decontaminated prior to drilling each borehole using the following procedure:

- Step 1: Steam clean with a non-phosphate detergent such as Liquinox.
- Step 2: Steam clean with potable water.
- Step 3: Rinse with laboratory grade methanol such as Optima.
- Step 4: Rinse with deionized analyte-free water such as HPLC grade water.
- Step 5: Allow to air dry.
- Step 6: Wrap in clean plastic.

D.2.1.1 Hollow Stem Auger Drilling Procedure Hollow stem auger drilling involved advancement of the borehole by a nominal six-inch internal diameter, continuous flight hollow-stem auger. Continuous soil samples were collected in advance of the hollow stem auger by a 24-inch split spoon sampler. The number of blows necessary for the sampler to penetrate 24 inches of soil during each sampling event was recorded. The sampler was driven with blows of a 140-pound hammer falling 30 inches.

Two soil sample boreholes, DANGB-2-BH1 and DANGB-2-BH2, were drilled using an auger drill rig and sampled continuously with a two-foot split-spoon sampler. Each split-spoon sample was numbered consecutively to the total depth of the hole. Samples were picked for analysis on the basis of high HNu readings and also to obtain representative samples of the entire hole, without over-sampling any particular depth, stratigraphic level or location.

Problems encountered with hollow stem auger drilling include poor soil recovery and auger refusal due to cobbles and boulders within the glacial till.

D.2.1.2 "Rotasonic" Drilling Procedure The Rotasonic drilling system uses a uniquely designed drill head which oscillates the drill pipe and imparts a vibrating resonance focused at the bit (see Figure D-1). Dual vibrational and rotational actions at the circular cutting edges of the drill bit provide continuous and relatively undisturbed cores of soil and bedrock.

The Rotasonic rig used a four-inch diameter inner core barrel drill pipe and a six-inch inner diameter outer drill casing. The inner core barrel was advanced in five or ten-foot sections. The core barrel was then detached from the drill head, sealed and left in the ground. The outer drill casing was then advanced to just above the base of the core barrel. The outer drill casing was advanced while using clean potable water to wash the cuttings from the annulus between the core barrel and outer casing. The cuttings were flushed along the outside of the outer casing and deposited on the ground surface. The inner core barrel was then removed and a clean core was retrieved by extruding the core into plastic sleeves. A clean decontaminated core barrel was placed into the borehole to collect another soil sample. This process was repeated until the desired borehole depth was achieved. The outer casing was left in the borehole until construction of the





Figure D-1 Rotasonic Drill Rig System

monitoring well. As well construction materials were placed in the annulus between the well casing and the borehole, the outer casing was gradually removed.

The Rotasonic technique had a superior drilling rate, was able to drill through boulders and cobbles and produced a clean vertical cased borehole during installation of the well.

D.2.2 Monitoring Well Construction

Each monitoring well was constructed of two-inch diameter Schedule 5S Type 304 stainless steel casing and screen with a bottom cap and a threaded and vented well head cap, as shown in Figure D-2. The screens were wire-wrapped Johnson Well Screens with threaded flush joint connections and a slot size of 0.010 inch. The screen length was 10 feet. Stabilizers were constructed of stainless steel strapping and hose connectors. Two stabilizers were used in each well to center the well casing. The casing, screen and stabilizers were decontaminated in the same manner as the drilling pipe prior to placement in the borehole (see Section D.2.1).

The amount of well construction materials used varied from well to well. The exact description of a particular well is given in Appendix F, Well Construction Records. A general description of the well construction follows.

The annular space between the well casing and the borehole was sandpacked from two feet below to three feet above the top of the screen by the tremie pipe method using washed and bagged silica sand of a 20-40 mesh grain size. Bentonite pellets and then a bentonite slurry were placed into the borehole from the top of the sandpack to the land surface. If the water table was less than ten feet below the land surface, the top of the well screen was placed at a minimum depth of two feet and the sand pack was extended to the land surface.

Wells were completed by finishing the casing approximately 2 1/2 feet above the top of the borehole. A six-inch diameter protective steel riser pipe was set around the well casing. The protective steel riser pipe extended below ground to a depth which depended upon the depth of the ground-water table. It is specified for each well in Appendix F, Well Construction Records. Additional finishing is given in Section D.2.4, Well Finishing.

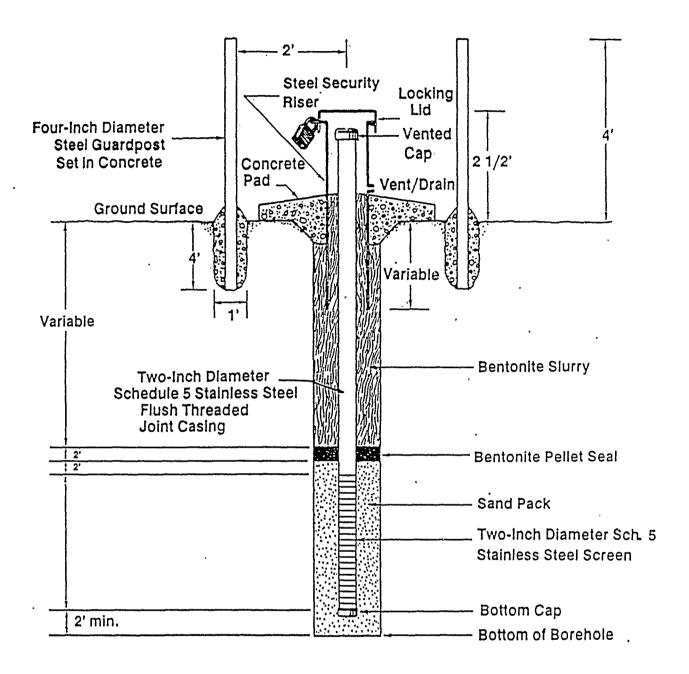


Figure D-2

D.2.3 Well Point Installation

Each well point was constructed of one and one-quarter inch diameter PVC pipe which was pointed at the base, and had a non-threaded, vented, PVC slip cap as shown in Figure D-3. The screens were made of PVC with a slot size of 0.010 inch and were five feet long.

The amount and type of well construction materials that were used varied from well to well. The exact description of a particular well is given in Appendix F, Well Construction Records. A general description of the well construction follows.

The annular space between the well casing and the borehole was sandpacked from two feet below to three feet above the top of the screen by the tremie pipe method using washed and bagged silica sand of 20-40 mesh size. Bentonite pellets and then a bentonite slurry was then placed into the borehole from the top of the sandpack to the land surface.

Wells were completed by finishing the casing 2 1/2 feet above the top of the borehole. A four-inch diameter protective steel riser pipe was set around the well casing. The protective steel riser pipe extended below ground to a depth which depended upon the depth of the ground-water table. It is specified for each well in Appendix F, Well Construction Records. Additional finishing is given in Section D.2:4 Well Finishing.

D.2.4 Well Finishing

All wells were finished in accordance with the State of Minnesota Chapter 4725 Department of Health, Water Well Construction Code.

Boreholes drilled for soil samples, and boreholes drilled for, but not constructed as monitoring wells, were finished by plugging from the bottom to the top with cement grout using a tremie pipe.

Both the monitoring wells and the well points were finished as follows. The protective riser pipe was held in place by a three-foot square concrete pad that was sloped to aid in runoff. Bentonite was placed into the annulus between the protective riser and the well casing to a level several inches above the concrete pad. A weep hole was drilled into the protective riser just above the bentonite filled annulus. All risers were painted brown with paint supplied by the Air National Guard and locked with brass locks, all keyed the same. The well number was permanently welded on the lockable

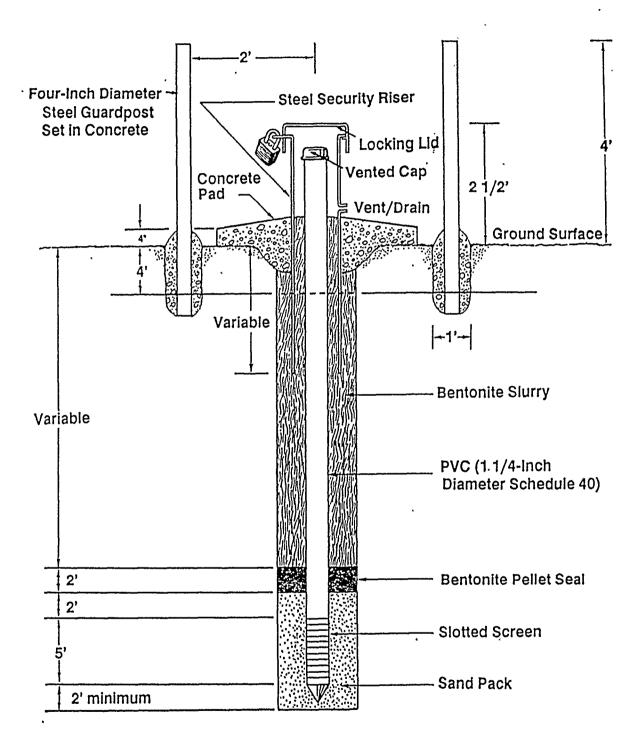


Figure D-3 Typical Well Point Construction.

cap, and stamped into a brass surveying marker imbedded in the concrete base of the well.

Each single well was surrounded by four, and each pair of wells was surrounded by six, ten-foot long, four-inch diameter cement filled steel posts which were buried six feet in the ground.

SECTION D.3
MONITORING WELL DEVELOPMENT PROCEDURES

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SECTION D.3 MONITORING WELL DEVELOPMENT PROCEDURES

Monitoring wells were developed by pumping, taking a sample, recording the clarity, temperature, and pH of the sample, and comparing the measurements, for the same well. When parametric values did not vary between samples, well development was ended.

A few wells were developed with an electric pump. These wells were the deeper ones at Sites 8 and 4 where there was sufficient recharge to the well to permit it. The rest of the wells were developed with hand pumps.

The hand pumps were constructed from white PVC pipe. The hand pumps and all pipe inserted into the well was decontaminated prior to its use on a well.

Some wells were flushed with potable water either before or during development in order to decrease development time. The wells that were flushed were pumped until the temperature indicated that all introduced water was removed.

Most wells had to be developed for four hours; two wells were developed for almost a day. In general, the shallower the well, the more difficult it was to obtain a clear sample.

All well development records are in Appendix Q.3.

All development water was collected in barrels, which were marked and left at the well location.

SECTION D.4
SLUG TEST PROCEDURES

SECTION D.4 SLUG TEST PROCEDURES

The equipment used for the slug tests was a Hermit Environmental Data Logger, in Site, Inc., Model SE 1000B, Serial Number 1KB-464. Either of two slugs were used; both slugs were 1.2" in diameter and of variable length. The length of the slug depended upon the volume of water in the well.

The procedure used is an ES Field Procedure. Slugs were decontaminated as specified in the RI Work Plan, Appendix B, pages 6-10 (ES, 1988) prior to testing each individual well.

The slug test method for determining aquifer parametric values is described in Appendix G.2.

SECTION D.5
WATER LEVEL MEASUREMENT PROCEDURE

SECTION D.5 WATER LEVEL MEASUREMENT PROCEDURE

Equipment used to take water level measurements were an HNu portable phoionization detector, a water level indicator calibrated to one foot increments, and a Teflon-coated steel retractable measuring tape calibrated to 0.01 foot.

Immediately after removing the inner cap attached to the well head, the well head space was scanned for organic vapors, using the HNu detector. This reading was noted in the field notebook. The water level indicator wire and probe was lowered into the well until the buzzer sounded. After determining the exact length of wire needed to activate the buzzer, which indicated the air/water interface of the well, the distance from the water surface to the top of casing of the well (TOC) was noted on the water level indicator wire with a thumbnail. The distance from the thumbnail to the nearest one-foot increment mark on the water level indicator's wire was measured with the retractable tape in order to obtain accuracy to 0.01 foot.

The water level indicator was decontaminated before starting and between each measurement by a methanol rinse followed by a deionized water rinse.

During the first set of water level measurements, it was necessary to determine the total well depth of previously constructed monitoring wells. In order to do this, the water level indicator was turned off and the probe was allowed to drop until the bottom of well was detected gravimetrically. Again, this distance to TOC was noted visually on the wire, held with a thumbnail, and then measured to the nearest 0.01 foot using the tape measure.

After these measurements were completed, the well head cap was replaced, the protective outer casing was locked, and the water level indicator wire and probe were decontaminated.

During the first round of water level measurements, a record of the condition of previously constructed monitoring wells was established by measuring: (1) the distance from the top of the well head to the top of the outer protective steel casing (TOSC); and (2) the distance from the ground to TOSC. The thickness of the concrete pad, if one existed, and the distance, if any, between the bottom of the concrete pad and the ground surface were also measured. The general condition of the well was noted.

SECTION D.6
SOIL, GROUND WATER, SURFACE WATER
AND SEDIMENT SAMPLING PROCEDURES

SECTION D.6 SOIL, GROUND WATER, SURFACE WATER AND SEDIMENT SAMPLING PROCEDURES

The locations, quantities and types of samples taken during the course of the Remedial Investigation are described in Section 2 of this report.

D.6.1 Standard Decontamination Procedures

A standard decontamination procedure was used. It consisted of the following steps.

- 1. Wash and scrub with a non-phosphate detergent such as Liquinox.
- 2. Rinse with potable water.
- 3. Rinse with laboratory grade methanol such as Optima.
- 4. Rinse with deionized analyte-free water such as HPLC grade water.
- 5. Allow to air dry.
- 6. Wrap in aluminum foil with the shiny side out.

D.6.2 Soil Samples

Soil samples were collected at various locations and depths and for purposes described in the RI Work Plan and in Section 2.

Soil samples were collected for chemical analyses and for grain size analyses.

D.6.2.1 Collection Procedures Soil samples were collected from holes made specifically for soil sample collection. These were shallow augured holes, deep augured holes and deep boreholes.

All in-ground tools, including augers, fence-post diggers, split-spoons, and drill rod were decontaminated between collection of samples using Standard Decontamination Procedures.

Samples from shallow auger holes were only obtained from Site 8.

These samples were obtained with a fence-post digger after a power auger was used to reach a depth of at least 1.5 feet.

Soil samples from shallow holes dug with a hand-operated fence-post digger were obtained from Site 3.

Soil samples from deep augered holes were only obtained from Site 2. An auger drill rig was used at the start of the field program. Only holes DANGB-2-BH1 and DANGB-2-BH2 were drilled with an auger drill rig and a split-spoon to obtain samples. Location DANGB-2-WP6 was also drilled using an auger rig, but a well point was installed at this location. Soil samples were not obtained from well point locations.

Locations DANGB-2-BH1 and DANGB-2-BH2 were drilled specifically for soil samples and a split-spoon sample was obtained every 2 feet to a total depth of 25 feet.

In order to correct information loss due to analytical delays, these two holes were redrilled using the "Rotasonic" drill rig, and samples were selected from the continuous cores at two-foot intervals.

Soil samples were also obtained from boreholes drilled for construction of monitoring wells. Three samples were collected, one from the surface, one from the water table, and one from just above the bedrock surface. In instances when two boreholes were drilled next to each other for construction of a pair of shallow and deep monitoring wells, soil samples were collected only from the deep boreholes.

Soil samples to be used for grain size analysis were collected from one borehole drilled for construction of a monitoring well at each site. A sample was collected from an interval which bracketed the screened interval. Samples were selected to represent each different lithology as determined by visual observation.

To determine the presence of volatile compounds a portable HNu meter was used to scan the continuous core through slits in the plastic sleeve before the core was exposed to the air. Shallow soil sampling holes were scraped and scanned with an HNu meter before the holes were refilled.

D.6.2.2 Preparation of Soil Samples for Chemical Analyses Soil sample container types and holding times for chemical analyses are given in Table D-1.

After a soil sample interval was selected from either the shallow borehole or from examination of the core in the core tray, the soil sample was placed into a stainless steel bowl using a stainless steel spoon.

A subsample was immediately placed in a 4-ounce wide-mouth clear jar for volatile organic analysis (SW 8010, SW 8020). The soil was tamped down tightly as the jar was filled to the top. After the jar was

TABLE D-1 PROTOCOLS FOR CHEMICAL ANALYSES OF WATER SAMPLES

			•		
Parameter	Analytical Method ¹	Sample Container Type Qua	iner Quantity	Sample Preservation Comments	Holding Time
Volatile Organics	SW 8010 SW 8020	40 mL VOA glass vials	S	4 drops of concentrated reagent HCl per vial, cool, 4 ^o C	Analyze within 14 days of collection.
Semi-Volatile Organics	EPA 625	1 L amber glass bottle	7	Cool, 4 ⁰ C	Extract within 14 days of collection and analyze within 40 days of extraction.
Pesticides/PCBs	EPA 608	1 L amber glass bottle	2	Cool, 4 ⁰ C	Extract within 14 days of collection and analyze within 40 days of extraction.
Total Petroleum Hydrocarbons	EPA 418.1	1 L amber glass bottle	2	5 mL of concentrated reagent grade HCl per bottle, cool, 4 ^o C	Extract within 14 days of collection and analyze within 40 days of extraction.
Metals: Arsenic Barium Cadmium Chromium Lead	SW 7060 SW 6010 SW 7131 SW 7191 SW 7421 SW 7470	1L polycthylene bottle	8	5 mL of concentrated reagent grade HNO ₃ per bottle	180 days after collection for all metals except mercury which requires 28 days.
Radiation Gross Alpha Gross Beta Radium 226 Tritium	SW 9310 SW 9310 SW 9315 EPA 9060	. 1 L polyethylene bottle		5 mL of concentrated reagent grade HNO ₃ per bottle	No holding time limit.
Nitrate	EPA 353.2	500 mL poly- ethylene bottle	1	2.5 mL of reagent grade sulfuric acid	Analyze within 28 days of collection.
1 CW mathered from 110 17	01.				

SW methods from U.S. Environmental Protection Agency, SW-846, Third Edition, November 1986. EPA method from U.S. Environmental Protection Agency, IEPA-600/4-79-020, Revised March 1983. Ή.

filled, the lid was screwed on and the interface secured with Teflon tape. The remaining soil in the stainless steel bowl was then homogenized with the spoon until uniform in texture and color. Another soil sample to be analyzed for all other parameters was placed into a 32-ounce wide-mouth, amber jar, the lid screwed on, and the interface secured with Teflon tape.

Large cobbles or pebbles were avoided for any of the soil samples. Any deviations from normal procedures or unusual occurrences that may have affected analysis results were noted in the field log book kept by the sampling team.

D.6.2.3 Preparation of Soil Samples for Grain Size Analysis Grain size samples were taken from selected boreholes at proposed monitoring well locations. Samples were generally collected to bracket the estimated screened interval. Grain size samples were chosen to represent the different lithologies encountered and placed within a properly labeled mason jar.

D.6.3 Ground-Water Samples

Ground-water samples for chemical analysis were taken from each monitoring well upon completion of all well construction and development.

D.6.3.1 Collection Procedures These samples were collected using either a Teflon or stainless steel bailer.

Before each sample was taken, the bailer was decontaminated in accordance with the Standard Decontamination Procedure, with two additional steps for the stainless steel bailer. These were:

- 2a. Rinse with 5% nitric acid and;
- 5a. Scan with portable HNu meter to assure complete removal of solvents.

A new nylon retrieval cord was attached to the bailer prior to sampling each well.

Each well was purged of approximately three times the existing water volume in the well. This volume was calculated by measuring the depth to the water from the top of the well casing and using the known total depth of the well to determine the height of the standing water column. The water was removed using a Teflon or stainless steel bailer which had been decontaminated using the procedure described above. A portable HNu meter

was used to scan the headspace of the well immediately following cap removal. Specific conductivity, temperature, and pH were measured at regular intervals during the purging process in order to ascertain the stabilization of ground-water characteristics. The criteria for stabilization were variation of pH, less than \pm 0.1 pH Unit; conductivity, less than \pm 10 umhos; and temperature less than \pm 1°C.

No more than 24 hours were allowed to elapse between the time of purge completion and water sample collection for a given monitoring well.

D.6.3.2 Preparation of Ground-Water Samples for Chemical Analyses Water sample container types and holding times for chemical analyses are given in Table D-2. Ground water sample collection was conducted in the following manner:

The evening prior to a day of sampling, the numbers of samples, duplicates, bailer rinsates, and field blanks that were expected to be obtained on the following day were estimated. The numbers of the different types of sample bottles that would be needed for the required analyses were then calculated. All of the necessary preservatives were then added to this set of bottles.

Bailers were decontaminated the evening before they were to be used.

Immediately prior to each sampling event, sample bottle labels were filled out and affixed to each container to identify the sample name, analyses and preservative types, date, and time (see Section D.7 for sample identification nomenclature). These labels were covered with clear plastic tape.

At the sampling location, all bottles to be filled and trip blanks were placed on clean plastic which covered a card table. A picture was taken as evidence of the sampling event.

The first bailer full of water was "wasted" to be sure that no traces of decontamination liquids remained on the bailer. The first sample bottles filled were those designated for volatile organic analysis. Water to be analyzed for dissolved metals was placed into unpreserved containers. This water was filtered using a 0.45 um pore size filter later the same day. Samples were placed into a styrofoam cooler containing crushed ice.

TABLE D-2 PROTOCOLS FOR CHEMICAL ANALYSES OF SOIL SAMPLES

Parameter	Analytical Method ¹	Sample Container Type Qua	uiner Quantity	Sample ' Preservation Comments	Holding Time
Volatile Organics	SW 8010 SW 8020	4 oz. amber glass jar	1	Cool, 4 ^o C; pack tightly to minimize vapor space	Analyze within 14 days of collection.
Semi-Volatile Organics	SW 8270	32 oz. amber glass jar	, *.	Cool, 4 ⁰ C	Extract within 14 days of collection and analyze within 40 days of extraction.
Pesticides/PCBs	SW 8080	32 oz. amber glass jar	* .	Cool, 4 ^o C	Extract within 14 days of collection and analyze within 40 days of extraction.
Total Petroleum Hydrocarbons	EPA 418.1	32 oz., amber glass jar	**	Cool, 4°C	No holding time specified.
Metals: Arsenic Barium Cadmium Chromium Lead Mercury	SW 7060 SW 6010 SW 7131 SW 7191 SW 7421 SW 7471	32 oz. amber glass jar	. 1.*	Cool, 4°C	180 days after collection for all metals except mercury which requires 28 days.

SW methods from U.S. Environmental Protection Agency, SW-846, Third Edition, November 1986. EPA method from U.S. Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983. Only one sample jar is required for all of these analyses.

The specific conductivity, temperature, and pH of the water in the field was recorded in the log notebook dedicated to sampling activities. All deviations from sampling protocol or unusual occurrences which could affect the outcome of sample analysis results were noted.

Samples were prepared for shipment (see Section D.6.5).

D.6.4 Surface Water and Sediment Samples

Sediment and surface water samples were both collected at the same locations which are described in Section 2.

D.6.4.1 Surface Water Sample Collection If one stream contained several sampling locations, the direction of sampling was downstream to upstream. Surface water samples were collected in the following manner:

In sampling locations exhibiting little or no water flow, such as in grassy or marshy areas, a small hole was dug 24 hours in advance of the time of sampling in order to facilitate surface water collection.

The evening prior to a day of sampling, the numbers and types of sampling bottles were estimated. This was done by taking into account the number of samples, duplicates, and field blanks that could be reasonably obtained during the course of one day. All of the necessary preservatives were added to this set of bottles.

Immediately prior to each sampling event, sample bottle labels were filled out and affixed to each container to identify the sample name, analyses and preservative types, date, and time (see Section D.5 for sample identification nomenclature). These labels were covered with clear plastic tape.

Water samples were obtained by carefully dipping the sample container into the water, taking care to not disturb the surrounding sediment. The first sample bottles to be filled were the ones designated for volatile organic analysis. Water to be analyzed for dissolved metals was placed into unpreserved containers and filtered (0.45 um pore size) later that day. The water samples from some of the monitoring wells which had been constructed during the Phase II, Stage 1 and Phase II, Stage 2 studies unexpectedly required several hours to filter. This occassionally caused sample filtration for some samples to be delayed by a day. In all cases, filtration proceeded as expeditiously as possible.

Samples were placed into a styrofoam cooler containing crushed ice.

The specific conductivity, temperature, and pH of the water were recorded in the field log notebook dedicated to the sampling activities. All deviations from sampling protocol or unusual occurrences which could affect the outcome of sample analysis results were noted.

Filled sample bottles were prepared for shipment (see Section D.6.5).

D.6.4.2 Sediment Sample Collection A hand auger, shovel or spoon (all constructed of stainless steel) was used to collect the sediment sample. Samples were collected as follows:

Sediment samples were collected and handled in the same way as described for soil samples.

Filled sample bottles were prepared for shipment (see Section D.6.5).

D.6.5 Sample Containers, Packaging and Shipment

Engineering-Science provided the sample containers to be used on this project. These containers were purchased from a outside source whose business includes selling sample containers prepared according to EPA protocols.

Samples to be analyzed by several laboratory methods but requiring the same type and amount of preservation were shipped in just one container. This procedure minimized the number of sample containers needed to complete the sampling event. The type of sample containers used, the volume of samples collected, and the preservatives added to the sample containers for specified analyses are outlined in Table D-1 and D-2.

The samples collected during this investigation contained concentrations although (generally less than 10 parts per million), of organic and inorganic chemical compounds and were therefore considered environmental samples. Procedures for packing these samples for shipment were:

After the sample had been placed in a container, the bottle surface was wiped clean and Teflon tape was wrapped around the interface of the container and its lid.

A polyethylene net sleeve was placed over the glass container.

"Bubble pack" cushioning material was wrapped around the glassware.

All sample containers, with the exception of water samples to be analyzed for volatile organics, were placed individually into plastic

"ziplock" bags and sealed. Several volatile organic samples were placed together in a "ziplock" bag and sealed.

The samples were placed into polystyrene insulated mailing containers and kept at 4°C with approximately five pounds of crushed ice in plastic bags per cooler.

Chain-of-custody (COC) forms were filled out in duplicate for each cooler. The original COC was sealed in a plastic bag and taped to the cooler lid. A carbon or xeroxed copy was retained by the Field Team Leader for future reference (see Appendix M).

Packing material consisting of either vermiculite or styrofoam bead was added to the cooler. The cooler was taped shut with strapping tape, placed in a cardboard shipping container, and a signed COC seal was placed on the outside. The coolers were shipped to the designated laboratory via an overnight courier on the same day that the samples were taken. In a few instances, due to the time needed to filter some samples, the samples were shipped the day after sampling. These samples were either samples collected from Phase II, Stage 1 or Phase II, Stage 2 wells, which required unexpectedly lengthy filtering times, or samples collected on the same day as samples which required lengthy filtering times.

APPENDIX D.7
IDENTIFICATION SYSTEMS

APPENDIX D.7 IDENTIFICATION SYSTEMS

The system used to assign identification numbers to locations and field samples is explained in this section.

D.7.1 Location and Field Sample Identification

The field location and sample identifiers have the following format: DANGB-3-MW25-SS3.

The meanings of the different parts of the identifier are given in Table D-3 and is also explained below.

Project Identification The designation DANGB (Duluth Air National Guard Base) was used to identify the project.

Site Identification Each Site was identified by the assigned site number.

Location Type Identification This is an alpha-numerical sequence. The letters identify the type of location. A number was assigned sequentially to each location within one of 6 types of locations established.

The borehole locations, BH, consisted of two augered holes at Site 2. These holes were drilled to obtain soil samples only. The samples were lost by the laboratory before all analyses were complete and the holes were redrilled using the Rotasonic drill rig to obtain additional sample. The redrilled holes are identified with an R after the location identifier. Example: DANGB-2-BH1 R.

The monitoring well, MW, locations started with the number 12 and ended with the number 43; with the exception that there is no number 36. In the instances where a borehole was drilled for the construction of a monitoring well but the well was not constructed, the letter "A" was added to the numerical designator.

The well point, WP, locations started with the number 6 and ended with the number 16. At the locations where a pair of well points were installed, both were given the same numerical designation. The letter "D" was added to the numerical designator to identify the deep well of the pair.

TABLE D-3 IDENTIFICATION CODE EXPLANATION

Code	Explanation
DANGB	Duluth Air National Guard Base.
	Site Identification
2	Site 2, Fire Training Areas FTA-1 and FTA-2.
3	Site 3, DRMO, formerly DPDO, Storage Area C.
4	Site 4, Tank Farm.
8	Site 8, Old DPDO Storage Area.
10	Site 10, Low-Level Radioactive Waste Site.
BG	Area locations.
	Location Type
BH	Borehole.
MW	Monitoring Well ^(a) .
SG	Soil Gas.
SL	Stream Location.
SS	Soil Site.
WP	Well Point.
	Location Number
A0	A location on a grid at the intersection of the A and 0 grid lines.
15	A location number.
	Additional Information
R	The second hole, either drilled or hand augered, at a particular location.
	· <u>Sample Type</u>
SS	Soil Sample.
SD	Sediment Sample.
GW	Ground-Water Sample.
SW	Surface Water Sample.
	Sample Number
1	The sample number.

a. Includes five locations at which boreholes were drilled for construction of monitoring wells, but which were plugged and abandoned after soil samples were obtained. An "A" was added after the number. These are shown as boreholes on the figures in this report.

The soil gas, SG, locations were represented by points on a grid. These points had both an alphabetical and numeric designation. The locations started with A0 and went to G5. In addition, some sampling points were added to intergrid spaces, and some points were added outside of the grid. These points were given numeric designations starting with 53 and ending with 59. One point was numbered 49. Soil samples were obtained from some soil gas locations. These locations retained their SG designation. It was necessary to re-dig the holes at some of these locations to obtain an additional soil sample. In these instances an R was added after the location identifier. Example: DANGB-3-SGC4 R.

The soil sample, SS, locations were represented by points on a grid. These points had both an alphabetical and numeric designation. The locations started with A0 and went to F3.

Sample Type Designation A two letter code was used to identify the type of sample collected.

Sample Number Surface water and sediment samples were all assigned the sample number "1," designating that the sample was taken from the first round of sampling. The ground-water samples were assigned the sample number "1" or "2" designating that the sample was obtained during either the first or second sampling round.

One sample was taken from each Surface Sample and Soil Gas location and no additional specific sample identification other than the location itself was used.

Soil samples from deep boreholes for chemical analysis were assigned sample numbers in one of two ways, depending upon whether they were obtained from holes drilled with an auger drill rig or a "Rotasonic" drill rig.

The boreholes drilled with the auger drill rig were cored continuously using a two-foot split-spoon sampler. Each two-foot interval was numbered sequentially. Samples were given the number of the interval from which they were obtained, for example, soil sample 6 is from the interval 10 to 12 feet.

Boreholes drilled with the Rotasonic drill rig were cored continuously with either a 5 or 10 foot long core barrel. Samples were numbered sequentially increasing with depth as they were chosen from the core

observed in the core tray. The intervals from which samples were taken was noted in the field notes and on the sample containers.

Examples:

DANGB-8-MW14-GW1: Duluth Air National Guard Base, Site 8, Monitoring Well 14, ground-water sample, first sampling round.

DANGB-2-MW37-SS1: Duluth Air National Guard Base, Site 2, Monitoring Well 37, first soil sample taken from borehole for MW37.

DANGB-3-SSAO: Duluth Air National Guard Base, Site 3, surface soil sample taken at position A0 on the sampling grid.

DANGB-2-BH1-SS5: Duluth Air National Guard Base, Site 2, Borehole 1, fifth soil sample taken.

DANGB-8-SL17-SW1: Duluth Air National Guard Base, Site 8, surface water and sediment sampling location number 17, surface water sample, first sampling round.

D.7.2 Field Quality Control Sample Identification For field sampling quality control (QC), trip blanks, field blanks, equipment rinsate samples, and field sample duplicates were taken.

The following numbering system was utilized:

Trip blanks: TB Field blanks: FB

Equipment rinsate samples: BR

Field Duplicates: Field duplicates were assigned numbers similar to sample numbers, as described in the previous section. For example, a duplicate of a ground-water sample taken at monitoring well number 26, DANGB-4-MW26-GW-1, was assigned the identifier DANGB-4-MW53-GW-1. The sample results are listed under DANGB-4-MW26 DUP. All duplicate sample numbers were noted in the field log book dedicated to sampling activities and are also listed as the field sample number in the Tables in Appendix L.

D.7.2 Laboratory Sample Identification

Laboratory sample numbers were assigned to each sample that was analyzed according to their own protocols. These numbers are on the completed chain of custody forms (Appendix M) and are also shown along with the field sample numbers in Appendices L and N.

SECTION D.8
PACE AND COMPASS PROCEDURE

SECTION D.8 PACE AND COMPASS PROCEDURE

The Pace and Compass Procedure was used to lay out sampling locations and to determine the correct map locations of previously installed monitoring wells.

The soil gas sampling grid at Site 3 and at Site 8 were laid out. The location of existing monitoring wells at Sites 2 and 4 were surveyed by this method to determine their actual spatial relationships in order to locate new wells correctly. At Site 2 this procedure was used to create a working map of trench locations. This was used along with examination of the aerial photographs to pin down the location of FTA-1.

A known location was picked such as a concrete post or a building corner when working from an aerial photograph. A 200 foot surveyor's tape was used for distance measurements. It was pulled taut and the personnel stood directly over it, looking down to read a measurement or mark a point. Direction was determined using Brunton compasses. Both fore-sighting and back-sighting readings were taken by personnel on either end of the surveyor's tape.

In a few instances, points were greater than 200 feet apart. In these situations an intermediate point was established. Along the line of sight between the two end points. Occasionally, a direct line of sight was not possible and a temporary end station had to be set up. The end station was marked by a stake with fluorescent paint hammered into the ground.

SECTION D.9
TRENCHING PROCEDURE

SECTION D.9 TRENCHING PROCEDURE

Trenching was accomplished with a backhoe and involved a backhoe operated by a backhoe operator at the direction of a field geologist. Trenching was done in an attempt to locate an abandoned Fire Training Area. The geologist would indicate the location to be trenched. The backhoe operator would trench down approximately four feet. The geologist stood up wind while observing the materials being excavated. Any materials or unearthed soil that looked different from the typical cover soil were examined. These materials on examination were concrete asphalt and sand lenses. After total depth had been reached, the trench was refilled before moving to a new location.

SECTION D.10 STREAMFLOW MEASUREMENT PROCEDURE This page intentionally left blank.

SECTION D.10 STREAMFLOW MEASUREMENT PROCEDURE

Two different pieces of equipment each with its associated procedures were used to obtain streamflow measurement. These were a pygmy flow meter and a weir.

D.10.1 Pygmy Flow Meter

The stream cross-section where measurements were to be made was chosen based on the appearance of its representativeness of the total flow in the stream and relative absence of plants and other debris. A tape was stretched over the width of the stream at the chosen location and marked off in 0.3-foot increments. The cummulative width and the depth of the stream at each incremental location was recorded. If the depth did not vary dramatically, as usually was the case, the average depth was calculated in order to establish the depth at which the Pygmy flow meter would be set for that stream location. The Pygmy flow meter was then placed at each 0.3-foot increment for a minimum of 40 seconds, and the number of revolutions was counted visually and tabulated. (The flow rate was too low to use the headphones provided with the flow meter in each case.) These numbers were used in a as described in Appendix J formula to calculate the flowrate at each point across the stream.

D.10.2 Weir

A 90-degree V-notch weir mounted in a one-foot long six-inch diameter PVC pipe was used to measure streamflow at location SL-11. This method is useful for streams with low discharge rates. Streamflow was diverted to the weir by constructing a dam to channel the flow through the pipe. A level on the weir was used to keep the pipe horizontal. The flow measurement was made by reading the discharge rate off the calibrated faceplate of the weir in gallons per day.

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SECTION D.11
GRAIN SIZE ANALYSIS PROCEDURE

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SECTION D.11 GRAIN SIZE SAMPLE ANALYSIS PROCEDURES

The procedure for grain size analysis consisted of drying the entire sample, weighing out 300 grams, and sieving the material into 7 separate fractions. Each fraction was weighed and the grain size distribution was plotted on a graph.

The first step consisted of drying and disaggregating the sample. Most samples had a high clay-sized content which commonly formed balls. These balls were crushed using a mortar and pestle. The samples were dried in an oven.

The second step was to weigh 300 grams of the sample in a pre-weighed cup using a triple balance accurate to .05 grains.

The third step was to separate the sample into seven component grain sizes. This was done using four inch diameter, hand-operated sieves. The mesh size of the sieves were 2.0, 1.0, 0.5, 0.25, 0.125 and 0.063 millimeters (mm). The seven size fractions were placed into seven pre-weighed cups.

The fourth step was to weigh each size fraction. The weight of each size fraction was obtained by subtracting the weight of the cup. The total weight of the sieved size fractions was within 3% of the original 300 gram weight of the original sample for all samples.

The grain size data was analyzed graphically by plotting the weight of a particular grain size on the X-axis of semi-log graph paper versus the sum of that weight plus the weight of all finer fraction percent of the sample finer than that grain size on the Y-axis. For example, if

- x = weight of the sample retained in the 0.5 mm sieve, then
- y = the sum of the weight of the sample retained in the 0.5, 0.25, 0.125, 0.063 sieves and weight of the sample in the bottom cap.

Also examination of Figure K-21 shows that for the 6 to 7 foot soil sample from DANGB-8-MW20A, 65 percent of the total 300 gram soil sample is less than 0.5 mm in diameter.

This is the end of Appendix D.

APPENDIX E
DRILLING RECORDS

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SECTION E.1 INTRODUCTION

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SECTION E.1 INTRODUCTION

Records of the subsurface lithology have been completed for each borehole location. These records are presented in this appendix. All but two of the descriptions are from four inch diameter continuous cores. Bereholes DANGB-2-BH1 and DANGB-2-BH2 at Site 2 are described from continuous split spoon samples from hollow stem augers.

Soil samples collected from the continuous core obtained from boreholes DANGB-2-MW12A, DANGB-8-MW16, DANGB-8-MW20A, DANGB-4-MW22 and DANGB-3-MW25 were analyzed for grain size for the soil fraction smaller than 2 millimeters in diameter. Grain size analysis results are presented in Appendix K.

The land surface datum records the surveyed altitude of the ground surface at the borehole location. Borehole coordinates are referenced to the Minnesota State Plane Coordinate System and record the horizontal map location of the borehole.

Drilling records are organized numerically within each borehole type sequence. The borehole identification is keyed to the site number (DANGB-2-BH1), borehole (BH), or monitoring well designation (MW). Appendix D gives a complete description of borehole identification.

The sample description includes the color, texture, mineralogy, moisture, and consistency of each distinct lithologic sample encountered. The primary major component or components of the sample are underlined. The proportions of sand, gravel, and fines are visually estimated and described using the following semi-quantitative adjectives:

<u>Adjective</u>	Estimated Percent of Total Sample
Trace	0-5
Little	5-12
Some	12-35
Abundant	35-50

Sand sizes were estimated by comparison with a sand gauge. Proportional adjectives precede the lithology, such as <u>little</u> clay, (5-12% clay) and <u>some</u> sand (30% sand). A visual estimate of the size range of pebbles within the glacial till is included.

The fine fraction was described using one of the following terms: silt, silt and clay, or clay. These are field terms and take into account plasticity as well as grain size. Distinction between clay and silt was determined by the ability to roll a small piece into a thin ribbon. Clay can easily be smeared into a ribbon when wet while it is more difficult to do so with silt. A dry sample of clay is difficult to crush with fingers while a dry sample of silt is more easily crushed. The term pliable was used for clay that was exceptionally malleable.

Drilling records and sample descriptions characterize the unconsolidated glacial till as a heterogenous, poorly-sorted mixture of silt and clay, with abundant pebbles and lesser quantities of sand. Sand, on the average, is fine-grained and restricted to occasional lenticular deposits of limited lateral extent not exceeding 1/2 to 1 foot in thickness.

SECTION E.2 DRILLING RECORDS This page intentionally left blank.

SECTION E.2 DRILLING RECORDS

In the records that follow, the column headings have the following - meanings:

Depth:

Depth in feet below land surface.

Sample Interval:

The interval of sample cored below land surface during a single, continuous sampling run. This column is filled in when several lithologic sample descriptions occur within

a single sampling run.

Sampler Blows:

The number of blows required to drive a split-spoon sampler 24 inches into the ground. Testing is divided into four, six-inch increments. The maximum number of blows used in this test per six-inch increment is 50. Rotasonic coring does not involve this percussive

technique.

Percent Recovery: The percentage of sample recovered in the continuous core barrel per sampling run. Percentages greater than 100% indicate stretching of the core as it was vibrated

out of the core barrel.

Notes:

Observations and measurements made while drilling regarding the detection of airborne contaminants and general comments. An HNU photoionization meter was used to test the soil sample, entrance of the borehole and breathing zone for volatile contaminants. Small HNU readings (0-3 ppm) from soil samples are often the result of moisture in the plastic core sleeve. The majority of

HNU readings are not above background.

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Borehole ID:	DANGB-2-BH1	Drijling Start Date:	7/29/88
Location:	Duluth, MN	Drilling Completion Date:	7/30/88
Client:	Duluth ANGB	Drilling Method:	Hollow Stem Auger
Project No.	OR001	Sampling Method:	Continuous Split Spoon
Geologist:	Peter Riemersma	Borehole Coordinates:	
Land Surface	Datum: 1430.99	North 56422.5 East 629357.4	

Depth Below LS (feet)	Samplë- Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-2		14-21-18-14	10	Clay, brown with black mottled areas, some silt, micaceous, dry, stiff.	HNU: Borehole: 0 ppm Breathing Zone: 0 ppm Strong hydrocarbon
		``		*	odor.
2-4		9-11-10-10	40	Člay, same as above.	Sample: 150 ppm
4-6 \		16-35-22-22	5	Clay, same as above.	Sample: 175 ppm Borehole: 7 ppm Breathing zone: 0 ppm.
6-8		9-5-9-8	30	Clay, medium to dark brown, some silt and sand, fine, micaceous, slightly moist.	Sample: 255 ppm Borehole: 0 ppm Strong hydrocarbon odor.
8-10		1-4-12-25	100	Clay, grayish green, little sand and silt, slightly moist, stiff.	Sample: 175 ppm Borehole: 0 ppm Strong fuel odor.
10-12		10-28-20-25	75	Clay, dark brown with grayish green spots, some silt, little sand, fine, trace pebbles, wet.	Sample: 5 ppm Borehole: 45 ppm Breathing zone: <1 ppm
0010I17					Strong petroleum odor.

Borehole ID DANGB-2-BH1

Literary

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	Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
	12-14	ī	8-9-17-27	75	Clay, dark brown, some silt, trace pebbles, thin 0.5 inch sandy laminations, moist, firm.	Sample: 5 ppm Borehole: 30 ppm Breathing zone: <1 ppm
		-	:	•		Weak petroleum odors.
	14-16		11-27-refusa	100	Clay and Silt, dark brown, some sand, fine to medium, little pebbles 1/4 to 1" diameter, moist to wet.	Sample: 0 ppm Borehole: <1 ppm Breathing zone: 0 ppm
	16				Auger refusal (Bedrock?).	No petroleum odor.
	,	•		•	Total Depth: 16 ft.	·
					Plugged and Abandoned	
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Borehole ID:	DANGB-2-BH2	Drilling Start Date:	7/30/88
Location:	Duluth, MN	Drilling Completion Date:	8/1/88
Client:	Duluth ANGB	Drilling Method:	Hollow Stem Auger
Project No.:	OR001	Sampling Method:	Continuous Split Spoon
Geologist:	Peter Riemersma	Borehole Coordinates:	
Land Surface	Datum: 1431.05	North 56408.8 East 629322.6	

Depth Below LS (feet)	Sample Interval	Śampler Blows	Percent Recovery	Sample Description	Notes
0-2		11-10-12-20	60	Clay, mottled dark brown and black, some silt, abundant pebbles 1/8 to 1.5" diameter, dry, firm.	HNU: Sample: 90 ppm Borehole: 180 ppm Breathing Zone: 0 ppm; Strong petroleum
2-4		17-22-16-18	75	Clay, same as above.	odor.
2-4		17-22-10-10	/3	Clay, same as above.	
4-6		4-9-10-15		Clay, mottled brown and black, some silt, pebbles 1 to 2" diameter, trace wood fragments, some sandy silt layers .5" thick, dry, firm.	Sample: 40 ppm Borehole: 70 ppm Breathing zone: <1 ppm
			,		Strong petroleum odor.
6-8		10-15-8-6	50	Clay, same as above.	Sample: 400 ppm Borehole: 10 ppm Breathing zone: <1 ppm
8-10		3-5-4-9	40	Peat and Clay, brown to black, trace 1/8" pebbles, plant fragments, moist, loose to firm.	Sample: 300 ppm Borehole: 35 ppm Breathing zone: 0 ppm
8812117					Strong petroleum odor.

Borehole ID DANGB-2-BH2

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Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
10-12		4-7-14-13	80 [.]	Silt, dark brown, some clay, pebbles, moist to wet, soft.	Sample: not taken Borehole: 35 ppm Breathing zone 0 ppm
2					Strong petroleum odor.
. 12-14		8-6-18-21	. 85	Silt, brown with black peat areas, some clay, little sand, fine, trace pebbles, very moist.	Sample: 35 ppm Borchole: 4 ppm Breathing zone: 0 ppm
14-16		8-20-11-13	70	Silt, brown, some clay, some sand, fine to medium, some pebbles, trace plant fragments, very wet, firm.	Sample: 5 ppm Borehole: 3 ppm Breathing zone: 0 ppm
		,		·	Slight petroleum odor.
16-18		. 12-23-25- 18" refusal	100	Silt, brown, some sand, fine to coarse, lower 4" dry, moist to wet.	Sample: 5 ppm Borehole: 60 ppm Breathing zone: <1 ppm
			,		Slight petroleum odor.
18-20.5		·	0 .	Auger refusal, boulder? or stones obstruct auger.	Borehole: 40 ppm Breathing: 0 ppm
20.5-21.1			30 ⁻	Sand, dark brown, fine to medium, some clay, some silt, abundant pebbles Breathing: 0 p	
				1/8 to 1/4", wet.	No petroleum odor.
21,1	:			Auger refusal; interpreted as bedrock.	
				Total Depth: 21.1sft.	,
				Plugged and Abandoned	,

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Borehole ID:	DANGB-2-MW12A	Drilling Start Date:	8/4/88
Location:	Duluth, MN	Drilling: Completion Date:	.8/4/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Ricmersma	Borehole Coordinates:	•
Land Surface	Datum:	North 56642.3 East 629408.0	

Depth Below LS (feet)	Sample interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-2	-		100	Clay, brown, some silt, dry.	HNU: No readings above background.
2-5		ļ, 	100	Clay, same as above, slightly moist.	
5-14.5	5-15′		33	Clay and Silt, brown to dark brown, little sand, fine, slightly moist, firm.	
14.5-15		,		Gravel, gray, some sand, fine to coarse, little clay, moist.	
15-18			100	Silt and Gravel, grayish brown 5RY3/2, some clay, very moist, very firm.	
18-20			100	Silt, brown, some clay, trace pebbles, moist, firm.	
20-23			100	Bedrock, gabbro.	
				Total Depth: 23 ft.	
				Plugged and Abandoned.	
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Borehole ID:	DANGB-2-MW13A	Drilling Start Date:	8/5/88	,	
Location:	Duluth, MN	Drilling Completion Date:	8/5/88		
Client:	Duluth ANGB	Drilling Method:	Rotasonic		
Project No.:	OR001	Sampling Method:	Continuous	Core	
Geológist:	Peter Riemersma	Borehole Coordinates:	,	•	
Land Surface	Datum:			*	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-1	0-2′		100	Clay, dark brown, some silt, abundant root and plant fragments, slightly moist, loose.	HNU: No reading above background.
1-2				Silt, brown, some clay, little pebbles, firm.	
2-5			100	Silt, brown, some clay, little pebbles 1/4 to 1" diameter, slightly moist, very firm.	
5-8	5-15′		100	Silt and Clay, brown, some pebbles 1/4 to 3" diameter, moist, very firm.	
8-8.5				Sand, brown, fine to coarse, some clay, pebbles, wet, loose.	
8.5-14				Silt and Clay, brown, some sand, fine to coarse, some pebbles 1/4 to 3", moist, firm.	
14-15				Sand, brown, fine to coarse, some pebbles, wet, loose.	,
15-19.5			100	Bedrock.	
		 		Total Depth: 19.5 st.	
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Borehole, iD:	DANGB-8-MW14	Drilling Start Date:	8/8/88
Location:	Duluth, MN	Drilling Completion Date	8/8/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	•
Land Surfac	e Datum: _{1412.2} .	North 53343.6 East 624842.2	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	. Notes
0-5	0-5′		70	Clay, brown, some gravel and pebbles 1/8 to 1/2" diameter, moist in 1', dry from 1 to 4', loose.	HNU: No readings above background.
5-7	5-10′		100	Clay and Silt. brown, little gravel, plant fragments, dry, loose.	
7-10				Silt, brown, some gravel, some pebbles up to 4" diameter, wet, loose.	Hit water at 10'.
10-12	10-15′	•	100 [']	Sand and Gravel, brown to dark brown, medium to coarse-grained, little clay, pebbles 1/4 to 2" diameter, angular, wet loose.	
12-15				Silt, brown, some sand, fine to medium, little clay, gravel and sand laminations, pebbles, wet, slightly firm.	٠
15-16	15-25′		30	Clay, brown, little silt, no pebbles or gravel, slightly wet to wet, pliable.	
16-18				Sand, brown, fine, some clay and silt, wet.	
18-25			no recovery		
25-33.5			100	Clay, brown, little silt, trace sand, fine to medium, pebbles 1/4" to 4", wet, pliable.	
33.5-34	,		100	Clay, brown, little silt, trace pebbles, wet, loose, pliable.	
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Borehole ID DANGB-8-MW14

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Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
34-35			100	Clay, brown, little silt, little gravel, some pebbles 1/4 to 4", dry, firm.	Harder drilling.
35-39			100	Clay, brownish red, some silt, little sand, fine, some pebbles 1/2 to 3" with trace granitic rock fragments, slightly moist from 35.to 36', dry from 38-39', pliable to firm.	Fiit boulder at 35'
39-40			100	Sand and Gravel, gray, coarse, subangular to angular, some pebbles 1/2 to 1", wet, loose.	,
40-44	,	:	100	Bedrock, gabbro.	
,			l	Total Depth: 44 ft.	

8812/17

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Borehole ID	DANGB-8-MW15	Drilling Start Date:	8/9/88
Location:	Duluth, MN	Drilling Completion Date	8/9/88
Cllent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	
Land Surfac	e Datum: 1412.2	North 53333.6 East 624840.9	,

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-6	0-5′		100	Clay, brown to light brown, little silt, some pebbles 1/4 to 5" diameter, dry, loose to firm (2 to 5').	HNU: No readings above background.
6-12.5	5-10′	,	100	Sand and Gravel, brown, medium to coarse, little clay, quartz, feldspar rock fragments, some pebbles 1/2 to 1" diameter, wet, loose.	
12.5-14.5	10-15′		100	Clay, brown, some silt, firm, pliable.	
14.5-15				Sand, brown, fine to coarse, some clay, little pebbles 1/4 to 1/2", angular.	
15-20			60 .	Clay, brown, little silt, very moist, very pliable.	
		·		Total Depth: 20 ft.	
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Drilling Start Date:	8/10/88
Drilling Completion Date:	8/10/88
Drilling Method:	Rotasonic
Sampling Method:	Continuous Cora

Continuous Core

Borehole Coordinates: Geologist: Peter Riemersma

Borehole ID:

Location:

Project No2

Cilent:

DANGB-8-MW16

Duluth, MN

Duluth ANGB

OR001

Land Surface Datum: 1410.5 North 53318.9 East 624477.7

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	-Notes
0-6.5	0-5′		70 .	Peat, black, little silt, organics, moist 0 to 3', wet 3 to 6.5', very loose.	HNU: No readings above background unless noted.
6.5-14	5-10′	,	100	Clay, brown, little silt, trace pebbles, wet, pliable.	
14-15	10-15′		100	Sand, brown, fine to medium, some clay, trace gravel, wet, loose.	
15-20 \			100	Clay, dark brown, little silt, trace pebbles 1/4 to 4" diameter, moist to wet, pliable.	Sample: 0-3 ppm.
20-21.75	20-25′		100	Silt, brown, some clay, little sand, fine, rare pebbles, very moist.	Elongated core recovery.
	!				Sample: 0-3 ppm; probably moisture.
21.75-25′				Sand and Silt, brown, fine, some clay, trace pebbles.	
25-26.5	25-30°		80	Gravel, gray, coarse, some sand, medium to coarse, wet.	
26.5-29				Boulder.	
29-30				Gravel, gray, coarse rock fragments, angular, quartz and feldspar, some sand, medium to coarse.	

Borehole ID DANGB-8-MW16

Page ____2 of ____ Depth Below Sample Samplér Percent: Sample Description Notes **'ĽS** Blows Interval Recovery (feet) 30-33.66' 100 Bedrock. Total Depth: 33.66 ft.

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Borehole ID: DANGB-8-MW17	Drilling Start Date: 8/10/88
Location: Duluth, MN	Drilling Completion Date: 8/10/88
Cilent: Duluth ANGB	Drilling Method: Rotasonic
Project No.: OR001	Sampling Method: Continuous Core
Geologist: Peter Riemersma	Borehole Coordinates:
Land Surface Datum:	North 53308.3 East 624477.9

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			80	Peat, dark brownish black, organic material, plant fragments, dry 0 to 2', moist 2 to 5'.	HNU: No reading above background.
5-9.5	5-10'		100	Silt, brown, some clay, no pebbles, very moist to wet, firm, pliable.	
9.5-10				Sand, brown, fine to medium, some clay, no gravel or pebbles.	
10-13	10-15′		100	Clay, brown, some silt, some pebbles.	
13-15				Clay and Silt, brown, some pebbles, little sand, fine.	
		,		Total Depth: 15 ft.	
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Bòrehole ID:	DANGB-8-MW18A	Drilling Start Date:	8/5/88
Location:	Duluth, MN	Drilling Completion Date:	8/5/88
Cilent:	Duluth ANGB	Orilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	,
Land Surface	Daţum:	North 53569.1 East 624528.5	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notés
0-5	,		80-	Silt and Clay, brown, little sand, fine, abundant pebbles and rock fragments 1/4 to 4" diameter, dry.	HNU: No reading above background 0-5' fill material.
5-12	5-15′		10	Silt and Gravel, brown, some sand, fine to coarse, little clay, wet, firm, probably from 8 to 9'.	
12-15		,		Clay, brown, some silt, little pebbles, dry, very firm.	a.
15-19′ ′			100	Bedrock, fractured.	
		•	•	Total Depth: 19 ft. Plugged and Abandoned.	
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Borehole ID:	DANGB-8-MW19A	Drilling Start Date:	8/10/88	
Location:	Duluth, MN	Drilling Completion Date:	.8/10/88	
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic	
Project No.:	OR001	Sampling Method:	Continuous Core	
Geologist:	Peter Riemersma	Borehole Coordinates:	•	,
Land Surface	Datum: 1412.2	North 53809.0 East 624634.3	,	,

Depth Below LS (feet).	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5	,		60 -	Clay, dark brown, some silt, little sand, fine, no pebbles or gravel, slightly moist	HNU: No reading above background.
5-10 -	,		100	Silt, brown, some clay, some pebbles 1 to 3" diameter, some sand at 7 to 8' very moist to wet, firm.	
10-13.5			100	Bedrock.	
\				Total Depth: 13.5 ft. Plugged and Abandoned.	
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Borehole ID:	DANGB-8-MW20A	Drilling Start Date:	8/5/88
Location:	Duluth, MN	Drilling Completion Date:	8/5/88
Cilent:	Düluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemeisma	Borehole Coordinates:	•
Land Surface	Datum: 1411.46	North 53839.7 East 624339.6	

Depth Below LS (feet)	Sample Interval	.Sampler Blows	Percent Recovery	Sample Description	Notes ,
0-5			100	Clay, brown, some silt, trace pebbles, dry, very firm.	HNU: No readings above background.
5-6.5	,		100	Silt, brown, some clay, some sand, fine, little pebbles 1/4 to 1/2" diameter, very moist.	
:6.5-8	6.5-15′		100	Silt, brown, some sand, fine, little clay, little pebbles, wet, firm.	
8-9				Clay, brown, some silt, little pebbles, damp.	•
9-15		·		Silt, some sand and gravel, fine to coarse, rock fragments up to 5" diameter, very damp, very firm. Sand lenses, fine to medium, up to 5" thick.	
15-20.5			100	Silt and Clay, brown, some pebbles 1/8 to 3" diameter, slightly moist, firm.	
20.5-23.5			100	Bedrock, dark grayish green, gabbro, competent.	
,				Total Depth: 23.5 ft.	
				Plugged and Abandoned	

Bôrehole ÎD:

Project No.

Land Surface Datum:

Geológist:

Location:

Client:

DANGB-4-MW21

Duluth, MN

Duluth ANGB

Mike Roddy

1411.7

OR001

Lada		-
Drilling Start Date:	8/20/88	
 Drilling Completion Date:	8/20/88	
Drilling Method:	Rotasonic	
Sampling Method:	Continuous Core	
 Borehole Coordinates:	•	

North-53848.6 East 623851.6

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5	, in the second		40	Sand and Silt, brown, little to some clay, wet from 3-5', soft, pliable.	HNU: No readings above background
5-6	5-15′		100	Sand, brown, some silt and clay, little pebbles 1/4 to 2" diameter, wet, soft, pliable.	
6-8				Clay, brown, little silt, trace pebbles 1/4 to 1" diameter, wet, soft.	
8-10				Silt and Clay, brown, little sand, abundant pebbles 1/4 to 2" diameter, wet, soft.	
10-11				Sand, brown, some silt and clay, abundant pebbles 1/4 to 2" diameter, wet, soft.	
11-12		٠		Clay, brown, some silt, abundant pebbles 1/4 to 2" diameter, wet, soft.	,
12-13				Silt and Clay, brown, abundant pebbles 1/4 to 2" diameter, wet, soft.	
13-15				Clay, brown, some silt, abundant pebbles 1/4 to 2" diameter, wet, soft.	
15-19			100	Clay, brown, little to some silt, abundant pebbles from 1/4 to 2" diameter, moist, stiff.	

Borehole ID DANGB-4-MW21

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Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
19-22,5			100	Bedrock, gabbro, massive coarse- grained intrusive rock, possible thin sand and gravel layer just above bedrock.	
	,	,		Total Depth: 22.5 ft.	
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Borehole ID:	DANGB-4-MW22	Drilling Start Date:	8/20/88
Location:	Duluth, MN	Drilling Completion Date:	8/20/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	•
Land Surface	Datum: 1413.5	North 54038.6 East 623548.7	3

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-8.7	0-5.7′		. 70	Peat, black, organic material, moist.	HNU: No readings above background unless noted.
8.71-15.7	5.7-15.7'		100	Clay, mottled gray and brown to brown, little silt, no pebbles, very moist from 5 to 8', moist from 8 to 15', firm, pliable.	HNU Borehole: 150 ppm; Breathing Zone: <1 ppm
15.7-21	15.7-25.7′		100	Clay, brown, little silt, no pebbles or gravel, firm, pliable, with thin sand layers, fine at 18.5' and 19.5', wet.	
21-25.7			,	Silt, brown, some clay, no gravel or pebbles, with sand layers, fine, wet, loose.	,
25.7-30.5	25.7-31.7		100	Silt, brown, some clay, some gravel and pebbles 1/4 to 1" diameter, moist, firm to very firm.	
30.5-31.7				Sand, brown, fine, some silt, some clay, wet.	
31.7-35		,	100	Bedrock.	
			} }	Total Depth: 35 ft.	
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Sampling Method:

Drilling	Start Date:	8/19/88	
Drilling	Completion i	Date: 8/19/88	-
Drilling	Method:	Rotasonic	

Continuous Core

Geologist: Borehole Coordinates: Peter Riemersma & Mike Roddy

Borehole ID: DANGB-4-MW23

Duluth, MN

Duluth ANGB

Location:

Project No: OR001

Client:

Land Surface Datum: 1412.9 North 53996.0 East 623338.5

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-4	0-5′		80	Clay and Silt, brown, some gravel and pebbles 1/4 to 1", slightly moist, loose.	HNU: No readings above background.
4-7	5-15′		100	Peat, black, plant material, damp.	
7-7.5				Clay, mottled green and brown, little silt, firm, pliable.	
7.5-7.8	,	2		Clay, brown, some silt, firm, pliable.	
7.8-8		•		Clay, brown, some silt, some sand, fine, wet, loose.	,
8-13.5				Clay, brown, little silt, trace pebbles, moist to very moist, pliable.	
13.5-14				Silt and Sand, brown, fine to medium, little clay, very moist, loose.	
15-25 >			100	Clay, brown, some silt, little to some pebbles 1/4 to 1" diameter, moist to slightly moist, firm.	
25-27	25-31′		85	Silt, brown, some sand and clay, some pebbles 1/4 to 4" diameter, moist to wet, soft.	
27-31				Sand, brown, little silt and clay, abundant pebbles 1/4 to 2" diameter, wet, soft.	
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Borehole ID DANGB-4-MW23

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Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
31-33:83		•	100	Bedrock.	
	,		•	Total Depth: 33.83 ft.	
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Boreholé ID:	DANGB-4-MW24	Drilling Start Date:	8/24/88
Location:	Duluth, MN	Drilling Completion Date:	8/24/88
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	.*
Land Surface	Datum: 1410.5	North 53676.1 East 623504.8	

0-3.5 0-5' 80 Sand, brown, some clay and silt, some pebbles 1/4 to 2" diameter, wet io moist, soft. Sand, brown, trace silt and clay, wet, soft. Clay, gray, little silt, moist to wet, firm. 5-7 5-15' 90 Clay, brown, little silt, little pebbles 1/4 to 3" diameter, moist to wet, soft. Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, soft. Clay, brown, little silt, trace sand, abundant pebbles 1/4 to 3", moist to wet, firm. 15-25 100 Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, firm. 25-33.8 50 Clay, mottled brown and gray, some silt, little sand, abundant.pebbles 1/4 to 3" diameter, wet, firm. 33.8-37 100 Bedrock, gabbro, massive, intrusive rock. Total Depth: 37 ft.	Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
soft. Clay, gray, little silt, moist to wet, firm. 5-7 5-15' 90 Clay, brown, little silt, little pebbles 1/4 to 3" diameter, moist to wet, soft. Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, soft. Clay, brown, little silt, trace sand, abundant pebbles 1/4 to 3", moist to wet, firm. 15-25 100 Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, firm. 25-33.8 50 Clay, mottled brown and gray, some silt, little sand, fine, abundant pebbles 1/4 to 3" diameter, wet, firm. 33.8-37' Bedrock, gabbro, massive, intrusive rock.	0-3.5	0-5′		80	pebbles 1/4 to 2" diameter, wet to	
5-7 5-15' 90 Clay, brown, little silt, little pebbles 1/4 to 3" diameter, snoist to wet, soft. Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, soft. Clay, brown, little silt, trace sand, abundant pebbles 1/4 to 3", moist to wet, firm. 15-25 100 Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, firm. 25-33.8 50 Clay, mottled brown and gray, some silt, little sand, fine, abundant pebbles 1/4 to 3" diameter, wet, firm. 33.8-37 100 Bedrock, gabbro, massive, intrusive rock.	3.5-4					
to 3" diameter, moist to wet, soft. Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, soft. Clay, brown, little silt, trace sand, abundant pebbles 1/4 to 3", moist to wet, firm. 15-25 100 Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, firm. 25-33.8 50 Clay, mottled brown and gray, some silt, little sand, fine, abundant pebbles 1/4 to 3" diameter, wet, firm. 33.8-37 100 Bedrock, gabbro, massive, intrusive rock.	4-5				Clay, gray, little silt, moist to wet, firm.	
abundant pebbles 1/4 to 4" diameter, wet, soft. Clay, brown, little silt, trace sand, abundant pebbles 1/4 to 3", moist to wet, firm. 15-25 100 Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, firm. 25-33.8 50 Clay, mottled brown and gray, some silt, little sand, fine, abundant pebbles 1/4 to 3" diameter, wet, firm. 33.8-37 100 Bedrock, gabbro, massive, intrusive rock.	5-7	5-15′		90		
abundant pebbles 1/4 to 3", moist to wet, firm. 15-25 100 Clay, brown, some silt, little sand, abundant pebbles 1/4 to 4" diameter, wet, firm. 25-33.8 50 Clay, mottled brown and gray, some silt, little sand, fine, abundant pebbles 1/4 to 3" diameter, wet, firm. 33.8-37 100 Bedrock, gabbro, massive, intrusive rock.	7-12 \				abundant pebbles 1/4 to 4" diameter,	
abundant pebbles 1/4 to 4" diameter, wet, firm. 50 Clay, mottled brown and gray, some silt, little sand, fine, abundant pebbles 1/4 to 3" diameter, wet, firm. 100 Bedrock, gabbro, massive, intrusive rock.	12-15	a s	,		abundant pebbles 1/4 to 3", moist to	•
silt, little sand, fine, abundant pebbles 1/4 to 3" diameter, wet, firm. 100 Bedrock, gabbro, massive, intrusive rock.	15-25			100	abundant pebbles 1/4 to 4" diameter,	
rock.	25-33.8	,	,	50	silt, little sand, fine, abundant pebbles	•
Total Depth: 37 ft.	33.8-37 ⁻			100		
					Total Depth: 37 ft.	

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Borehole ID:	DANGB-3-MW25	Drilling Start Date:	8/26/88
Location:	Duluth, MN	Drilling Completion Date:	8/26/88
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	•
Land Surface	Datum: 1412.2.	North 53821.6 East 623054.8	•

Depth Below LS (feet)	Sample interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			80	Clay, brown, some silt, trace sand, fine abundant pebbles, 1/4 to 4" diameter, moist to wet, soft.	HNU: No reading above background.
5-14	5-16′		100	Clay and Silt, brown, trace to little sand, fine, abundant pebbles 1/4 to 4" diameter, wet, soft to firm.	
14-15			,	Sand, brown, some clay and silt, abundant pebbles 1/4 to 2" diameter, wet, soft.	
15-18			100	Bedrock, gabbro, massive, coarse- grained intrusive rock.	
				Total Depth: 18 ft.	
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Borehole ID:	DANGB-3-MW26	Drilling Start Date:	8/26/88
Ļocation:	Duluth, MN	Drilling Completion Date:	8/26/88
Cilent:	Duluth ANGB	Drilling Method:	Rotașonic
Project No:	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	,
Land Surface	Datum: 1412.7	North 53822.8 East 623048.6	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			. 60	Clay, brown, little to some silt, abundant pebbles 1/4 to 4" diameter, moist to wet, soft, 2" sand layer, coarse at 4'.	HNU: No reading above background.
5-14.5			100	Clay and Silt, brown, trace to little sand, abundant pebbles 1/4 to 4", wet, soft to firm.	
\				Total Depth: 14.5 ft.	
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Borehole ID:	DANGB-3-MW27	Drilling Start Date:	8/24/88
Location:	Duluth, MN	Drilling Completion Date:	8/24/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	•
Land Surface	Datum: 1413.0	North 53874.3 East 622844.9	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-2	0-5′′		80	Clay and Silt, gray to brown, trace sand, fine, trace pebbles 1/4 to 2" diameter, moist to wet, soft.	HNU: No reading above background.
2-5				Clay, brown, little to some silt, trace pebbles 1/4 to 2", moist to wet, soft.	
5-15			100 .	Clay, brown, some silt, abundant pebbles 1/4 to 4" in diameter, wet, firm to very firm.	
\				Total Depth: 15 ft.	

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Borehole ID:	DANGB-3-MW28	Drilling Start Date:	8/27/88
Location:	Duluth, MN	Drilling Completion Date:	8/27/88
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No±	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	•
Land Surface	Datum: 1409.8	North 53840.0 East 622545.3	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-1	0-5′		80	Clay, black, little silt, moist, soft.	HNU: No reading above background.
1-4				Clay, mottled gray and brown, little silt, trace 1/4 to 2" pebbles, moist, soft.	
4-5		,		Clay, brown, some silt, abundant 1/4 to 2" pebbles.	
5-11.5			100	Clay and Silt, brown, trace sand, fine, abundant 1/4 to 4" pebbles, moist to wet, soft to firm.	
11.5-12.5			100	Boulder, gabbro, massive, coarsegrained.	
12.5-15			50 .	Clay and Silt, brown, trace sand, fine, abundant 1/4 to 4" pebbles, wet, firm to very firm.	
	,		•	Total Depth: 15 ft.	
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Borehole ID:	DANGB-3-MW29	Drilling Start Date:	8/30/88
Location:	Duluth, MN	Drilling Completion Date:	8/30/88
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Corc
Geologist:	Mike Roddy	Borehole Coordinates:	÷
Land Surface	Datum: 1414.4	North 53696.4 East 622858.6	•,

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-7	0-5′		80	Clay and Silt, brown, trace sand, fine, abundant pebbles 1/4 to 4" diameter, moist to wet, soft.	HNU: No reading above background.
7-14	5-16′		90	Clay, brown, little to some silt, abundant 1/4 to 4" pebbles, wet, firm.	
14-16		,		Sand, brown, some silt, little gravei, trace clay, abundant 1/4 to 3" pebbles, wet, soft.	
\				Total Depth: 16 ft.	

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Borehole ID:	DANGB-3-MW30	Drilling Start Date:	8/26/88
Location:	Duluth, MN	Drilling Completion Date	: :8/26/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	QR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	
Land Surfac	e Datum: _{1417.0}	North 53492.6 East 622863.8	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-1.5	0-5.5′		80	Clay and Silt, brown, trace sand, fine, abundant 1/4 to 4" pebbles, moist to wet, soft to firm.	HNU: No reading above background.
1.5-2.5				Boulder, gabbro.	
2.5-5.75	5.5-6.5′		100	Clay and Silt, brown to mottled brown and gray, abundant pebbles, wet, firm.	
5.75-9	6.5-9′		100	Boulder, gabbro, gray, massive.	
9-15			100	Silt, brown, some clay, little sand, abundant 1/4 to 4" pebbles, wet, soft to firm.	
15-17.5				Silt, brown, some clay and sand, fine, abundant 1/4 to 4" pebbles, wet, soft.	
	,			Total Depth: 17.5 ft.	
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Borehole ID:	DANGB-3-MW31	Drilling Start Date:	,8/27/88 <i>-</i>	* /-
Location:	Duluth, MN	Drilling Completion Date:	8/27/88	
Client:	Duluth ANGB	Drilling Method:	Rotasonic	
Project No.:	OR001	Sampling Method:	Continuous Core	
Geologist:	Mike Roddy	Borehole Coordinates:	•	•
Land Surface	Datum: 1419.5	: North 53423.3 East 622748.5		وسيونشك
Location: Client: Project No.: Geologist:	Duluth, MN Duluth ANGB OR001 Mike Roddy	Drilling Completion Date: Drilling Method: Sampling Method: Borehole Coordinates:	8/27/88 Rotasonic	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			80	Clay and Silt, light brown, trace to little sand, abundant pebbles 1/4 to 4" diameter, moist to very moist, soft.	HNU: No readings. above background.
5-7.5			100	Clay and Silt, brown, trace sand, fine, abundant pebbles, moist, firm.	
7.5-8.5	7.5-15′		15.	Boulder.	
8.5-15				Clay and Silt, brown, trace sand, abundant pebbles, wet, soft to firm.	
15-16	15-18′	£	80	Sand and Gravel, gray, medium to coarse, wet, loose, fines washed away during drilling.	
16-18			·	Bedrock, gabbro, gray.	
				Total Depth: 18 ft.	
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Borehole ID:

Project No.:

Geologist:

Location:

Client:

DANGB-BG-MW32

Duluth, MN

Duluth ANGB

OR001

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	Drilling Start Date:	8/29/88
,	Drilling Completion Date:	8/29/88
	Drilling Method:	Rotasonic '
i	Sampling Method:	Continuous Core
!	Borehole Coordinates:	

Land Surface Datum: 1426.9 North 53377.5 East 622511.1

-	Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
	0-2	0-5′		60	Boulder .	HNU: No readings above background
	2-7.5	5-7.5′		100	Clay, mottled tan and brown 2 to 3.5', brown, some silt, abundant pebbles 1/4 to 2" diameter, dry, firm, pliable.	
	7.5-10			100	Boulder, gabbro, gray, massive.	
	10-18	10-14.5′		100	Clay, brown, some silt, abundant 1/4 to 4" pebbles, moist to very wet, firm.	
	18-20	14.5-22.5′		100	Sand, brown, some silt and clay, abundant pebbles 1/4 to 3" diameter, wet, soft.	
	20-22.5			•	Sand and Gravel, brown, trace silt and clay, abundant pebbles 1/4 to 3", wet, soft.	
					Total Depth: 22.5 ft.	
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	Page	1	_ of _	1
Date:		8/27/88		
letion	Date:	8/27/88		
d:		Rotason	ic	
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Land Surface	Datum: 1418.3	North 53559.5 East 622523.	North 53559.5 East 622523.4		
Geologist:	Mike Roddy	Borehole Coordinates:	•		
Project No.:	OR001	Sampling Method:	Continuous Core		
Client:	Duluth ANGB	Drilling Method:	Rotasonic		
Location:	Duluth, MN	Drilling Completion Da	ite: .8/27/88		
Borehole ID:	DANGB-3-MW33	Drilling Start Date:	8/27/88		

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes .
0-1	0-5'		60	Clay and Silt, black, abundant pebbles 1/4 to 2" diameter, abundant organics, moist, soft.	HNU: No readings above background.
1-5				Clay and Silt, brown, abundant pebbles, moist, firm.	:
5-12	5-15		100	Clay and Silt, brown, trace sand, fine, abundant 1/4 to 2" pebbles, wet, firm.	
12-21	15-21′		100	Silt, brown, some clay and sand, fine, abundant pebbles, wet, firm.	
21-21.5	21-24′		70	Sand and Gravel, gray-brown, fines washed out by drilling.	
21.5-24				Bedrock, gabbro, gray, massive.	
				Total Depth: 24 ft.	•
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Borehole ID:	DANGB-3-MW34	Drilling Start Date:	8/29/88
Location:	Duluth, MN	Drilling Completion Date:	8/29/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No2	OR001.	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	•
Land Surface	Datum: 1418.3	North 53557.7 East 622529.0	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-7	0-5′		75	Clay, brown, little to some silt, abundant 1/4 to 3" pebbles, moist, soft.	HNU: No readings above background.
7-13	5-15′		100	Clay and Silt, brown, trace sand, fine, abundant 1/4 to 3" pebbles, moist to wet, soft to firm.	
13-15				Silt, brown, some clay, trace sand, fine, abundant 1/4 to 3" pebbles, wet, firm.	
١				Total Depth: 15 ft.	
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Borehole ID:	DANGB-3-MW35	Drilling Start Date:	8/25/88
Location:	Duluth, MN	Drilling Completion Date:	8/25/88
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic .
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	
Land Surface	Datum: 1413.1	North 53794.2 East 622686.1	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recoverý	Sample Description	Notes
0-2	0-5′		80	Sand, black-brown, some silt, trace clay, abundant pebbles 1/4 to 4" diameter, moist to wet, soft.	HNU: No readings above background.
2-5				Clay, brown, little to some silt, abundant pebbles 1/4 to 4" diameter, wet, soft.	
5-11.5			85	Clay, brown, some silt, trace sand, abundant pebbles 1/4 to 4" diameter, wet, firm to very firm.	
11.5-15			70	Boulder, gabbro, massive, coarse- grained, intrusive rock.	
15-16		·	80 .	Clay, brown, some silt and sand, abundant pebbles 1/4 to 4", very wet, firm.	
16-17			100	Sand, brown, some silt, little clay, abundant pebbles 1/4 to 3" diameter.	
17-17.5			100	Bedrock, gabbro.	
		,		Total Depth: 17.5 ft.	
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Borehole ID:	DANGB-2-MW37	Drilling Start Date:	8/15/88	
Location:	Duluth, MN	Drilling Completion Date:	8/15/88	-
Çllent:	Duluth ANGB	Drilling Method:	Rotasonic	
Project No.:	OŘ001	Sampling Method:	Continuous Čore	
Geologist:	Peter Riemersma	Borehole Coordinates:		*
Land Surface	Datum: 1426.4	North 56079.2 East 629533.8		

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			100	Clay, brown, some silt, trace sand, fine, slightly moist to moist, soft, pliable.	HNU: No readings above background unless noted. Sample (0-5'): 1.5 to 2.0 ppm.
5-16		,	100	Clay, brown, some silt, little gravel and pebbles 1/4 to 1" diameter, moist from 5 to 5.5', slightly moist from 5.5 to 16'.	••
16-16.7	16-18.5′		100	Sand, brown, fine to coarse, some gravel, little clay, wet, loose.	
16.7-18				Clay, brown, some silt, little pebbles up to 5" diameter, moist.	
18-18.5				Bedrock.	
				Total Depth: 18.5 ft.	
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Borehole ID:	DANGB-2-MW38	Drilling Start Date:	8/13/88
Location:	Duluth, MN	Drilling Completion Date:	8/13/88
Client:	Duluth ANGB	Drilling Method:	Rotașonic
Project No.	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	*
Land Surface	Datum: 1431.4	North 55730.8 East 629341.2	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			60	Clay, brown, some silt, little sand, fine, trace pebbles, slightly moist, firm.	HNU: No reading above background.
5-10			100	Clay and Silt, brown, little sand, fine, little gravel, slightly moist, firm.	
10-10.2	10-15.5′		200	Gravel and Sand, gray-brown, fine to coarse, rock fragments, wet, loose.	
10.2-19	15.5-19°		100	Clay and Silt, brown, little sand, fine, little gravel, slightly moist, firm.	
19-20			100	Bedrock	
				Total Depth: 20 ft.	
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Borehole ID: DANGB-2-MW39	Drilling Start Date: 8/15/88
Location: Duluth, MN	Drilling Completion Date: 8/15/88
Cllent: Duluth ANGB	Drilling Method: Rotasonic
Project No.: OR001	Sampling Method: Continuous Core
Geologist: Peter Riemersma	Borehole Coordinates:
Land Surface Datum: 1427.4	North 55547.0 East 628993.0

Depth Below LS - (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-2	0-5′		20	Clay, dark brown, some silt, little sand, fine, organic fragments, moist.	HNU: No readings above background.
2-5 5-12	5-15′		100	Clay, brown, little silt, moist, pliable. Silt, brown, some clay, little sand, fine, some thin sand laminations, fine, some pebbles, rounded to subangular 1/4 to 2" in diameter, wet.	
12-15		•		Silt, brown, some sand, fine, little clay, very moist to wet.	
15-21.9	15-22.5′		100	Clay, brown, some silt, sand laminations 1" thick, moist to very moist, soft, pliable.	
21.9-22.5				Bedrock.	
				Total Depth: 22.5 ft.	
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Borehole ID:	DANGB-2-MW40	Drilling Start Date:	8/16/88
Löçatlon:	Duluth, MN	Drilling Completion Date:	8/16/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	•
Land Surface	Datum: 1428.4	North 55593.7 East 629629.5	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			60 .	Clay, brown, little silt, moist, firm, 2" sand and gravel layer at 3', slightly moist, pliable.	HNU: No readings above background.
5-16.5	5-15.5′		100	Clay, brown, some silt, trace sand, fine, abundant pebbles 1/4 to 5" diameter, slightly moist to moist, wet at 14.5 to 15.5', pliable.	
16.5-17	15.5-17′			Bedrock. Total Depth: 17 ft.	
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Borehole ID:	DANGB-2-MW41	Drilling Start Date:	8/17/88
Location:	Duluth, MN	Drilling Completion Date:	-8/17/88
Çilent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	•
Land Surface	Datum:		

Depth Below- LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes '
0-5			80	Clay, brown, little silt, abundant pebbles 1/4 to 3" diameter, slightly moist to wet, gray clay layer from 4 to 5', firm, very tight.	HNU: No readings above background.
5-8	5-15′		100 .	Silt, brown, little sand and clay, abundant pebbles 1/4 to 3" diameter, very wet.	
8-9				Clay, brown, some silt, abundant pebbles 1/4 to 3" diameter, wet, pliable.	
9-12				Silt, brown, some clay, little sand, fine, abundant pebbles 1/4 to 3", moist to wet.	
12-15				Clay, brown, little silt, abundant pebbles 1/4 to 3", moist, firm to very firm.	
15-20			80	Clay, brown, some silt, abundant pebbles 1/4 to 4" diameter, moist, firm.	
				Total Depth: 20 ft.	
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Borehole ID: DANGB-BG-MW42	Drilling Start Date: 8/18/88
Location: Duluth, MN	Drilling Completion Date: 8/18/88
Client: Duluth ANGB	Drilling Method: Rotasonic
Project No.: OR001	Sampling Method: Continuous Core
Geologist: Peter Riemersma	Borehole Coordinates:
Land Surface Datum: 1416.8	North 54351.0 East 619896.2

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			100	Clay and Silt, brown with black lenses, some sand, fine, slightly moist from 0 to 2' wet from 2 to 5', loose from 0 to 2', firm.	HNU: No readings above background.
5-10			100	Silt, brown, some clay, some pebbles and gravel up to 3" diameter, slightly moist, firm to very firm.	
10-12.5	10-15.5′		100	Clay, mottled brown and black, plant fragments, some silt, trace pebbles, very moist to wet, soft, pliable.	
12.5-15.5				Silt, brown, some clay, some gravel and pebbles, slightly moist, very dense and hard.	
		×		Total Depth: 15.5 ft.	
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Borehole ID: DANGB-BG-MW43	Drilling Start Date: 8/18/88
Location: Duluth, MN	Drilling Completion Date: 8/18/88
Cllent: Duluth ANGB	Drilling Method: Rotasonic
Project: No.: OR001	Sampling Method: Continuous Core
Geologist: Peter Riemersma	Borehole Coordinates:
Land Surface Datum:	North 52548.8 - East 628808.2

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-13.5	0-5′		100	Peat, dark brown to black, some clay, dry 0 to 1.5', slightly moist to moist 1.5 to 5', moist to very moist 5 to 13.5', pliable, soft.	HNU: No readings above background.
13.5-14.5	5-15′		100	Gravel and Sand, brown, fine to coarse, angular to subrounded, some clay, pebbles, wet, loose.	
14.5-15				Clay, brown, little silt, soft, pliable, moist.	
15-24			100	Clay, brown, some silt, little pebbles 1/4 to 1" diameter, moist.	
		·	٠	Total Depth: 24 ft.	·
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Borehole ID: DAN	VGB-2-WP6	Drilling Start Date: 8/1/88	
Location: Dulu	ith, MN	Drilling Completion Date: 8/3/88	
Client: Dulu	nth ANGB	Drilling Method: Hollow Stem A	uger, Rotasonic
Project No.: OR0	NO1	Sampling Method: Split Spoon	
Geologist: Pete	er Riemersma	Borehole Coordinates:	
Land Surface Dat	tum: 1418.1	North 56970.9 East 629042.7	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-2		16-11-15-16	80	Silt, light to dark brown, some sand, fine, some clay, trace pebbles, dry,	HNU: No reading above background.
5-7		6-10-18-32	80	loose. Clay, medium to dark brown, some silt,	acore duengrounu.
10-11	10-12'	11-14-24	70	some pebbles, 1" sand layer, coarse, at 7', slightly damp. Clay, moderate brown, SYR3/4, some	Move 7' west to new
\		6 for 2"	,,,	sand, fine to coarse, pebbles, slightly damp.	location due to split spoon refusal at 10'
11-12 15-17		Split spoon	. 0	Sand, dusky yellowish brown, 10YR2/2, medium to coarse, pebbly, wet.	Finish borehole with
		refusal due 10 rocks.			Rotasonic rig.
			*	Total Depth: 25.4 ft.	
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Borehole ID:	DANGB-2-WP7	Drilling Start Date:	8/17/88
Location:	Duluth, MN	Drilling Completion Date:	8/17/88
Cllent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001.	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	
Land Surface	Datum: 1424.0	North 56367.1 East 628656.9	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-1	0-5′		80	Clay, brown, some silt, organic fragments, abundant pebbles 1/4 to 3", moist to wet, pliable.	HNU: No readings above background.
1-1.7				Peat, black, moist to wet.	
1.7-5				Clay, same as 0-1' above.	
5- 8			100	Clay and Silt, brown, trace sand, abundant pebbles 1/4 to 3" diameter, gravel layers 1 to 2" thick, moist to wet.	
8-9 \	8-11′		100	Sand, brown, little silt and clay, abundant gravel 1/4 to 2", wet.	
9-10′				Clay, brown, abundant pebbles, moist.	
10-12	11-15′		100	Sand, brown, little clay and silt, abundant pebbles 1/4 to 3", wet.	
12-15				Clay, gray-brown, abundant pebbles, moist, firm.	
				Total Depth: 15 ft.	
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Borehole ID:	DANGB-2-WP7D	Drilling Start Dáte:	8/16/88
Location:	Duluth, MN	Drilling Completion Date:	8/16/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	
Land Surface	Datum: 1423.8	North 56369.5 East 628654.0	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-1	0-5′		100	Clay, brown, little silt, some organic plant fragments, moist, pliable.	HNU: No readings above background.
1-2			,	Peat, black, moist, loose.	
2-5	ı			Clay, brown, some silt, little sand, fine, abundant pebbles 1/4 to 3" diameter, wet, very moist from 3 to 5'.	
5-6	5-15.5′		100	Clay and Peat, mottled brown and black, some silt, very moist, firm.	
6-7				Clay, brown, some silt, abundant pebbles, very moist.	
7-9.5				Sand and Gravel, grayish brown, fine to coarse, little clay, some pebbles 1/4 to 4" diameter, wet, loose.	
9.5-13				Silt, dark brown, some clay, trace pebbles, slightly moist, very firm.	
13-14				Sand and Gravel, brown, fine to coarse, little clay, wet, loose.	
14-15				Silt, dark brown, some clay, trace pebbles, slightly moist, very firm.	
15-15.5				Gravel, gray and brown, fine to coarse, angular, some sand, fine to coarse, some pebbles, wet, loose.	•
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Borehole ID DANGB-2-WP7D

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Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
15.5-23.4 °			100	Silt, dark brown, some clay, some pebbles up to 4" diameter, slghtly moist to 18', moist from 18 to 22', dry from 22 to 23.4' very firm.	
23.4-25	,		100	Silt and Clay, brown, some pebbles 1/4 to 1", rounded to angular, slightly moist to dry, very firm to hard.	
25-33		×	80	Bedrock.	
٠		·		Total Depth: 33 ft.	
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Borehole ID:	DANGB-2-WP8	Drilling Start Date:	8/17/88
Location:	Duluth, MN	Drilling Completion Date:	8/17/88
Çlient:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	
Land Surface	Datum: _{1417.5}	North 56638.0 East 629755.5	,

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
. 0-8			. 80	Clay, light to dark, brown, little silt, some pebbles 1/4 to 2", moist, soft.	HNU: No readings above background.
8-12	·		100	Clay, brown, some silt, little sand, fine, abundant pebbles 1/4 to 4", slightly moist to moist.	
12-14			100	Silt, brown, some clay, little sand, fine, abundant pebbles 1/4 to 4", wet.	
14-18			100	Bedrock, gabbro, gray, massive.	
				Total Depth: 18 ft.	
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Borehole ID:	DANGB-8-WP9	Drilling Start Date:	8/11/88
Location:	Duluth, MN	Drilling Completion Date:	8/11/88
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Ģeologist:	Peter Riemersma	Borehole Coordinates:	·
Land Surface Datum: 1412,3		North 53209.6 East 624260.2	,

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
	5-15'		50 100	Peat, dark brown to black, abundant plant fragments, dry, loose. Sand and Gravel, dark gray, fine to coarse, little clay, wet, loose. Clay, brown, some silt, trace pebbles, very moist, increase in silt downward. Sand, dark gray, fine to coarse, some clay, some gravel, rock fragments, wet. Clay, brown, some silt, some pebbles, 1/4 to 2" diameter, very moist. Silt, brown, some pebbles, little clay, little gravel, slightly moist. Clay, brown, some silt, some pebbles, very moist.	HNU: No readings above background.

		Page	1 of2 .
Borehole ID:	DANGB-8-WP9D	Drilling Start: Date:	8/11/88
Location:	Duluth, MN	Drilling Completion Date:	8/11/88
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	
Land Surface	Datum: 1412.5	North 53204.6 East 624258.2	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-6			30 partial recovery	Clay, light brown, little silt, organics, firm, from 0 to 0.5'.	HNU: No readings above background unless noted.
	ţ			Peat, black, organic rich, dry to slightly moist, estimate interval sampled from 0.5 to 2'.	
6-7	6-11′		100	Clay, brown and black, some peat, moist.	
7-8.5				Clay and Sand, gray, fine to coarse, some pebbles and gravel 1 to 3" diameter, wet.	
8.5-11				Clay, brown, little gravel, little pebbles, moist.	•
11-12	11-18	,	100	Clay, brown, wet, pliable.	
12-13.5				Sand and Gravel, gray, medium to coarse, some pebbles 1 to 3" diameter, angular, rock fragments, wet, loose.	
13.5-16				Clay, brown, some pebbles, wet, pliable.	,
16-18				Silt, brown, some clay, pebbles 1/4 to 2" diameter, moist, firm.	
18-18.5	18-26′		100	Gravel and Sand, gray, medium to coarse, pebbles, angular, wet, loose.	
18.5-21				Clay, brown, little silt, pebbles, very moist, pliable.	
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Borehole ID DANGB-8-WP9D

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Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	' Notés
21-26				Clay and Silt, brown, some pebbles 1/4 to 2", little sand, fine, very moist, pliable.	
26-28	26-36′		90	Clay, brown, some silt, little pebbles 1/4", very moist to wet, pliable.	Sample: 3 ppm; probably moisture.
28-31				Silt, brown, some clay, some gravel, rock fragments, slightly moist, firm.	
31-3 6				Silt, brown, some sand, fine, little clay, little gravel and pebbles, slightly moist, firm.	
36-41			100	Silt, brown, same as above, with some gravel, dry, very firm.	Sample: 0-2 ppm; probably moisture.
41-41.5	41-46′		100	Sand, brown, fine to medium, rock fragments, little clay, wet, loose.	
41.5-46				Silt, brown, some sand, fine, some gravel, little clay, dry, hard.	
46-47.5	46-54′		100	Boulder, granite.	
47.5-49				Sand and Gravel, gray, coarse, wet, loose.	
49-50				Clay, brown, some silt, slightly moist, firm.	
50-54				Bedrock.	
	}.			Total Depth: 54 ft.	
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Borehole ID:	DANGB-8-WP10	Drilling Start Date:	8/6/88	C+.
Location:	Duluth, MN	Drilling Completion Date:	8/6/88	
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic	
Project No.:	OR001	Sampling Method:	Continuous Core	
Geologist:	Peter Riemersma	Borehole Coordinates:	•	1
Land Surface	Datum: 1413.2	North 53646.3 East 624089.0		

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Noțes
0-6	0-5′		100	Clay, brown, some silt, scattered black organic areas, trace pebbles, dry, firm.	HNU: No readings above background 0-6' fill material.
6-10	5-10*		100	Peat, dark brown to black, organic plant material little clay, trace silt, no pebbles, wet, soft, loose.	
10-12	10-15*		80	Clay, dark gray to black, abundant plant fragments in top foot, trace silt, organic odor.	
12-13'				Sand, gray, fine to coarse, some clay, some silt, wet.	
13-14		•		Gravel, gray, some sand, fine to coarse, trace clay, wet, loose.	
14-15				Clay, brown, some silt, moist, firm.	
15-19	15-20′		80	Silt, brown, some clay, trace pebbles, dry.	
19-20				Clay, brown, little silt, trace pebbles, slightly moist.	
				Total Depth: 20 ft.	
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Borehole ID:	DANGB-8-WP10D	Drilling Start Date:	8/6/88
Location:	Duluth, MN	Drilling Completion Date:	8/6/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geoloģist:	Peter Riemersma	Borehole Coordinates:	•
Land Surface	Datum: _{1413.3}	North 53646.1 East 624082.7	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	, Notes
0-9.5	0-5'		90	Clay, brown, some silt, abundant pebbles 1/4 to 1" diameter, dry, moist at 8'.	HNU: No readings above background unless noted. 0-9' fill material.
9.5-10	5-10′		90	Peat, brownish black, woody, moist.	
10-14	10-15′	,	100	Silt, brown to dark brown, some clay, very organic rich with plant fragments, wet, loose.	
14-15				Clay, brown, some silt, abundant pebbles 1/8 to 1/2", slightly moist to moist.	
15-20			100	Clay, brown, some silt, abundant pebbles 1/4 to 3" diameter, slightly moist, very firm.	Sample: 2 ppm; probable water vapor.
20-20.5	20-22.5′		100	Sand, brown, fine, some clay, wet, loose.	
20,5-22,5				Silt and Clay, brown, abundant pebbles 1/4 to 2*, slightly moist, very firm.	
22.5-23.3	22.5-32		100	Silt, brown to dark brown, some sand, fine to medium, little gravel, little clay, very wet.	
23.3-27.5				Silt and Clay, brown, little sand, fine, pebbles, slightly moist, very firm.	
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Borehole ID DANGB-8-WP10D

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Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
27.5-35	32-35′		100	Clay, brown, some silt, abundant rock fragments and pebbles up to 5", slightly moist, very firm.	
35-40.5			100 `	Silt, brown, some clay, some sand, fine to coarse, little gravel, angular, pebbles 1/4 to 2" diameter, moist to wet from 35 to 37', slightly moist from 37 to 40.5'.	,
40.5-45		* *	100	Silt, brown, some sand and gravel, fine to medium, little clay, abundant cobbles and rock fragments, moist to wet.	v
45-47.5			100	Bedrock, gabbro.	
				Total Depth: 47.5 ft.	
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Borehole ID:	DANGB-4 WP11	Drilling Start Date:	8/19/88
Location:	Duluth, MN	Drilling Completion Date:	8/19/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Corc
Geologist:	Peter Riemersma	Borehole Coordinates:	
Land Surface	Datum: 1413.6	North 53301.2 East 623927.2	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Récovéry	Sample Description	Notes
05	0-5′		80	Peat, black, organics.	HNU: No reading above background.
.5-5				Clay, brown, some silt, abundant pebbles 1/4 to 2' diameter, slightly moist, firm.	Upper 5 feet may be fill material.
5-9	5-7′	;	100	Peat, dark brown to black, small plant fragments, no pebbles, moist, wet from 7 to 9', soft.	Driller notes hard object at 7'.
9-12.8	7-15.5′		100	Silt, brown, some clay, trace pebbles, moist to very moist, stiff.	
12.8-13.3				Sand, brown, fine to medium, some clay, little silt, pebbles, wet, loose.	
13.3-15.5				Silt, brown, some clay, trace pebbles, moist to very moist, stiff.	
15.5-23.5			100	Silt, brown, some clay, some gravel and pebbles, very firm to stiff, slightly moist to very moist at bottom .5'	
23.5-24.3				Bedrock.	
			100		
		,		Total Depth: 24.3 ft.	
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Borehole (D: DANGB-4-WP12	Drilling Start Date: 8/22/88
Location: Duluth, MN	Drilling Completion Date: 8/22/88
Client: Duluth ANGB	Drilling Method: Rotasonic
Project No.: OR001	Sampling Method: Continuous Core
Geologist: Peter Riemersma	Borehole Coordinates:
Land Surface Datum: 1413.6	North 53301.2 East 623927.2

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-1	0-5′		50	Clay, brown, some silt, organic fragments, moist	HNU: No readings above background.
1-2.5				Silt, brown, some clay, some pebbles 1/4 to 1" diameter, dry to slightly moist, firm to hard.	
2.5-5			not recovered		
5-7	5-10′		100	Clay, brown, some sand, fine, little silt, wet, soft.	
7-7.5				Clay, black to dark gray, little silt, moist, soft, pliable.	
7.5-9				Clay, mottled brown and dark gray, little sand, fine, little silt, little pebbles, moist.	
9-10				Silt, brown, some clay, some sand, fine, some pebbles 1/4 to 1" diameter, very moist, firm.	
10-11	10-18′		100	Clay, brown, some silt, little pebbles 1/4 to 1" diameter, very moist.	
11-18				Silt, brown, some clay, some gravel, abundant pebbles 1 to 3" in diameter, rounded, slightly moist, firm to very firm.	
COANT				Total Depth: 18 ft.	

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Borehole ID:	DANGB-4-WP12D	Drilling Start Date:	8/22/88		
Location:	Duluth, MN	Drilling Completion Date:	8/22/88		
Client:	Duluth ANGB	Drilling Method:	Rotasoni	¢.	
Project No.:	OR001	Sampling Method:	Continuo	us Core	
Geologist:	Peter Riemersma	Borehole Coordinates:			
Land Surface	Datum: _{1414.8}	North 54106.5 East 624215.9			

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			50	Clay, brown, some silt, abundant pebbles 1/4 to 1/2" diameter, dry, very firm to dense.	HNU: No readings above background.
5-6	5-15′		100	Clay, same as above, slightly moist.	
6-6.5				Sand, brown, fine, some silt, moist, stiff.	
6.5-7.5				Clay, greenish blue, little silt, trace sand, fine, moist, soft, pliable.	
7.5-8				Clay, brown, some silt, abundant pebbles 1/4 to 1/2" diameter, slightly moist.	,
8-10.5			•	Clay, mottled brown, green and red, some silt, little sand lenses, fine to medium, moist to very moist, firm.	
10.5-11.5				Silt, brown, some clay, some sand, fine, abundant pebbles, moist.	
11.5-15			100	Clay, brown, some silt, abundant pebbles up to 3" diameter, rounded, slightly moist, firm to very firm.	
15-20	15-25′		100	Silt, brown, some clay, abundant pebbles and gravel from 3/4 to 3", rounded, moist to slightly moist, firm.	
20-24.5				Silt, same as above, little clay.	
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Borehole ID DANGB-4-WP12D

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Depth Below LS (feet)	Sample Interval	Sampler : Blows	Percent Recovery	Sample Description	Notes
24.5-25		-		Sand, brown, fine, some silt, little clay, abundant pebbles, very moist, loose.	
25-31.3			10	Sand, same as above, note poor recovery.	
31.3-34.9			100	Bedrock, gabbro.	
,				Total Depth: 34.9 ft.	·
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Borehole ID:	DANGB-4-WP13	Drilling Start Date:	8/22/88
Location:	Duluth, MN	Drilling Completion Date:	8/22/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	·
Land Surface	Datum: 1416.8	North 54118.7 East 623808.3	

Depth Below LS (feet)	Sample interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-10	0-11''			Clay, brown, some silt, some pebbles 1/2 to 2" diameter, black colored layer at 6", slightly moist. Sand, brown, fine, some clay, moist to wet. Total Depth: 11 ft.	HNU: No readings above background.

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Borehole ID:	DANGB-4-WP13D	Drilling Start Date:	8/22/88
Location:	Duluth, MN	Drilling Completion Date:	8/22/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No:	QR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma	Borehole Coordinates:	•
Land Surface	Datum: 1416.8	North 54118.7 East 623808.3	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-3	0-5′		80	Silt, brown, some clay, little pebbles, slightly moist, firm.	HNU: No readings above background.
3-4				Peat, black, organic rich.	
4-5				Silt, brown, some clay, little pebbles, slightly moist, firm.	·
5-6	5-15′		100	Clay, mottled brown and gray, some silt, moist, firm.	
6-10	:			Sand, light brown, fine, some clay, little silt, little gravel, wet, loose to firm.	
10-15				Clay, mottled brown and gray, little silt, moist, very pliable, soft.	
15-17	15-21′		100	Silt, brown, some clay, little sand lenses, fine, moist, soft to firm.	
17-18				Clay, brown, little silt, moist, soft, pliable.	
18-21	,			Silt, brown, some clay, some pebbles from 1/4 to 2" diameter, rounded, little sand, fine, little gravel, moist, soft to firm.	
21-25			100	Bedrock.	
				Total Depth: 25 ft.	
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Borehole ID:	DANGB-4-WP14	Drilling Start Date:	8/23/88
Location:	Duluth, MN	Drilling Completion Date:	8/23/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	ÒR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma & Mike Roddy	Borehole Coordinates:	
Land Surface	Datum: 1415.6	North 54130.7 East 623319.3	

Depth Below LS (feet)	Sample interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-5			60 .	Silt and Clay, brown, some pebbles 1/4 to 2" diameter, 2" peat layer at 2.5', slightly moist.	HNU: No readings above background.
5-6	5-12′		70	Silt and Clay, same as above, mottled brown and black.	
6-10				Sand, brown, fine-to-coarse, some gravel, little clay, wet, loose, 4" gravel layer at 8'10-12	
`				Clay, dark brown, little silt, moist, pliable, firm.	
				Total Depth: 12 ft,	·
					·
8812117					

Page	of
Date:	8/23/88
etion Date:	8/23/88
d:	Rotasonic
nod:	Continuous Core

Borehole ID:	DANGB-4-WP14D	Drilling Start Date:	8/23/88
Location:	Duluth, MN	Drilling Completion Date:	8/23/88
Cilent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	ÒR001	Sampling Method:	Continuous Core
Geologist:	P. Riemersma, M. Roddy, J. Sherwin	Borehole Coordinates:	
Land Surface	Datum: 1415.8	North 54131.2 East 623324.6	
			

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description:	Notes
0-6	0-5′		60	Silt and Clay, brown, little pebbles 1/4 to 1" diameter, slightly moist, very firm to hard, 2" peat layer at 2'.	HNU: No readings above background.
6-8.5	5-15′		100	Sand, brown, fine-to-coarse, little gravel, little clay, wet, loose.	
8.5-21	15-24′		100	Clay, dark brown, little silt, moist to very moist, pliable, firm.	
21-24		,		Sand and Clay, brown, little silt, little gravel and pebbles, very moist to wet, loose.	
24-27.5			100	Bedreck,	
			•	Total Depth: 27.5 ft.	
\$					
8812117					

Page ¹ of	1
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Borehole ID: D	ANGB-4-WP15	Drilling Start Date: 8/23/88
Location: D	uluth, MN	Drilling Completion Date: 8/23/88
Client: Di	uluth ANGB	Drilling Method: Rotasonic
Project No.: O	R001	Sampling Method: Continuous Core
Geologist: M	ike Roddy	Borehole Coordinatés:
Land Surface D	atum: 1416.6	North 54142.9 East 022938.8

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-1'	0-5′		60	Sand and silt, brown, abundant pebbles 1/4 to 2" in diameter, moist soft; pliable.	HNU: No reading above background.
1-5′ 5-12′			100	Peat, black, moist, very soft. Clay, brown to tan, some silt, abundant pebbles 1/4 to 3" in diameter, moist to wet, soft.	
12-17′ \			80	Clay, brown, little silt, trace pebbles 1/4 to 2" in diameter, moist to wet, firm. Total Depth: 19 ft.	
8912017				-66	

		Page	1 of 1
Borehole ID:	DANGB-4-WP15D	Drilling Start Date:	8/23/88
-Location:	Duluth, MN	Drilling Completion Date:	8/23/88
Cllent:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Mike Roddy	Borehole Coordinates:	•
Land Surface	Datum: 1416.6	North 54142.9 East 622938.8	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
0-1	0-5′		80 :	Sand and Silt, brown, abundant pebbles 1/4" to 2" in diameter, moist, soft, pliable.	HNU: No readings above background.
1-4				Peat, black, moist, very soft.	
4-4.25				Sand and Clay, brown, moist, soft, pliable.	
4.25-5				Clay, brown, some silt, trace sand, fine, trace pebbles.	
5-15			100	Clay, brown, some silt, abundant pebbles 1/4 to 4" in diameter, moist, lower half firm, upper half soft.	4
15-25			90	Clay and Silt, brown, trace sand, fine, abundant pebbles 1/4 to 3" in diameter, wet, firm to very firm.	,
25-29			0		
29-31.5			100	Bedrock, gabbro, gray, holocrystalline, massive, coarse-grained intrusive rock, plagioclase, pyroxenes, trace opaque metallic minerals. Total Depth: 31.5 ft.	

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Page		of	•	
5.			`	_*_*

Borehole ID:	DANGB-4-WP16	Drilling Start Date:	8/19/88
Location:	Duluth, MN	Drilling Completion Date:	8/19/88
Client:	Duluth ANGB	Drilling Method:	Rotasonic
Project No.:	OR001	Sampling Method:	Continuous Core
Geologist:	Peter Riemersma & Mike Roddy	Borehole Coordinates:	
Land Surface	Datum: 1413.1	North 53377.1 East 623240.3	

Depth Below LS (feet)	Sample Interval	Sampler Blows	Percent Řecovery#	Sample Description	Notes
0-1.5	0-5′		100	Sand and Gravel, black, fine-to-coarse, some silt, slightly moist, loose.	HNU: No readings above background unless noted.
		*			Surface Fill to 3'.
1.5-2.5				Silt and Sand, brown, fine, some clay, pebbles 1/4 to 4" diameter, moist, loose.	•
2 .5-3.0			,	Sand, brownish black, fine-to-medium, little clay, wet, loose.	
3-3.5				Clay, brown, some silt, plant roots.	
3.5-4.3				Peat, black, moist, soft.	
4.3-5.0			•	Clay, grayish black, trace silt, moist, soft, pliable.	
5-14			100	Clay, brown, little silt, trace to some pebbles, very moist from 5 to 8', moist from 8 to 10', slightly moist from 10 to 14', very soft to firm.	
14-16.8	14-17′		100	Clay, brown, little to some silt, trace pebbles, moist, soft, pliable.	Hit rock at 14'
16.8-17	÷			Sand, brown, fine, very moist, loose.	Sample: 2.0 ppm.
17-20			100	Sand and Gravel, brown, fine-to-coarse, little clay, little silt, pebbles, wet.	
				,	
8812117					

Borehole ID DANGB-4-WP16

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Page 2 of 2

Depth Below LS (feet)	Sample . Interval	Sampler Blows	Percent Recovery	Sample Description	Notes
20-22	,		100	Silt, brown, some clay pebbles up to 2" diameter.	
22-23.5			100	Silt, brown, some clay, some pebbles and gravel, slightly moist to dry, hard.	
23.5-24.4			100	Bedrock.	
•	•			Total Depth: 24.4 ft.	
	•			•	•
			•		

This is the end of Appendix E.

APPENDIX F
WELL CONSTRUCTION

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SECTION F.1 INTRODUCTION

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SECTION F.1 INTRODUCTION

Well construction diagrams have been completed for each location where monitoring well or well points were constructed as part of the Remedial Investigation. Diagrams are presented in numerical order by either monitoring well or well point designation. The diagrams combine in one page: water level data, general subsurface lithology, and well construction information for an individual well. Well construction information includes an outline of the monitoring well or well point and contains the depth of the borehole, the screened interval, and the sand packed and bentonite interval. The water level in the well measured on September 27, 1988 is graphically illustrated. The left column of the diagram contains a verbal and graphical illustration of the predominant lithology encountered during drilling of the borehole. Lithologic symbols are derived and generalized from the Unified Soil Classification System shown in Figure F-1. Symbols used in well construction records are shown in Figure F-2.

	MAJOR DIVISIONS		GRAPHIC SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
	GRAVEL AND, GRAVELLY	CLEAN GRAVELS		GW	WELL GRADED GRAVELS, GRAVELSAND MIXTURES, LITTLE OR NO FINES
CDARSE GRAINEU	SOILS	(LITTLE OR NO FINESI	* * *	GP .	POORLY GRADED GRAVELS, GHAVEL SAND MIXTURES, LITTLE OR NO FINES
SOILS	MORE THAN 50% OF COARSE FRAC-	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL-SAND- SILT MIXTURES
	TION <u>RETAINED</u> ON NO. 4 SIEVÉ	AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL SAND- CLAY MIXTURES
	SAND AND SANDY	CLEAN SAND ILITTLE OR NO	0	sw	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO.	SOILS	FINES) .		SP	FOORLY-GRADED SANDS, GRAVEL- LY SANDS, LITTLE OR NO FINES
200 SIEVE SIZE	MORE THAN 50% OF COARSE FRAC- TION PASSING	SANDS WITH FINES		SM	SILTY SANDS, SAND-SILT MIXTURES
• ,	NO. 4 SIEVE	AMOUNT OF FINESI		sc	CLAYEY SANDS, SAND-CLAY MIXTURES
		•		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		Cr	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
!		,		OL.	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
				мн	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE		LIQUID LIMIT CREATER THAN 50		сн	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
				он .	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
	HIGHLY ORGANIC SOILS			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

Figure F-1 Unified Soil Classification System.

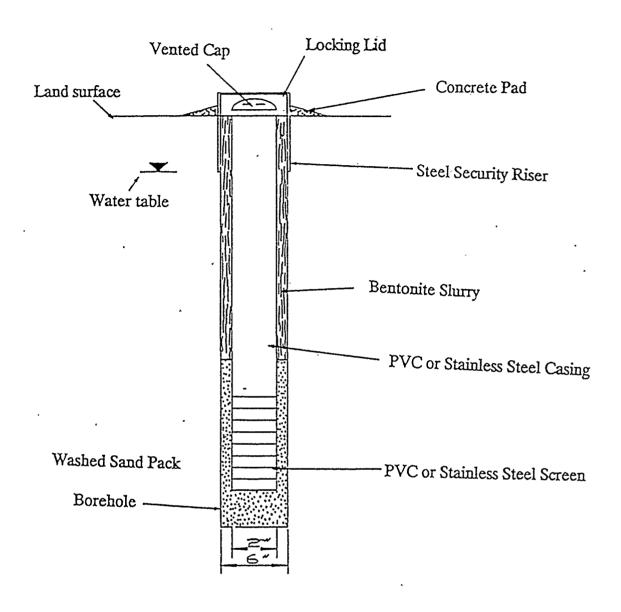


Figure F-2 Identification of Symbols Used in Well Construction.

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SECTION F.2
WELL CONSTRUCTION DIAGRAMS

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	Y
SITE ID:	DANGB-8-MW14
DATE DRILLED	8/8/88
DATE INSTALLED:	8/9/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	OR001
GEOLOGIST:	P. RIEMERSMA

WELL CONSTRUCTION

Well MW14 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY some gravel, brown, CLAY and SILT, brown, some CLAY and GRAVEL, medium SAND and GRAVEL, medium TO Goarse, brown SILT, some sand, fine-medium, brown, pebbles CLAY, brown, pebbles fron CLAY, brown, pebbles fron 25-33.5 ft. SAND and GRAVEL, COARSE, gray BEDROCK		6.

SITE ID:	DANGB-8-MW15	
DATE DRILLED	8/9/88	
DATE INSTALLED	8/9/88	
DRILLING METHOD	ROTASONIC	
PROJECT NO.	□R001	
GÉOLOGIST:	P. RIEMERSMA	٦

WELL CONSTRUCTION

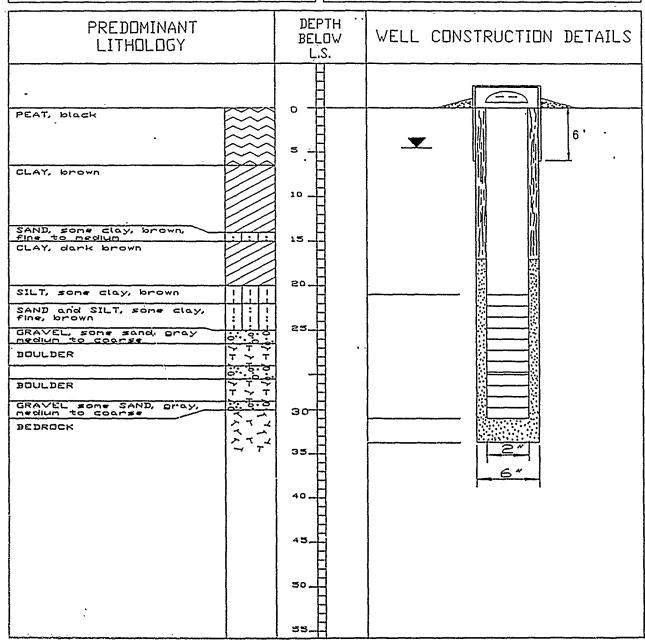
Well MW15 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

dedenote in the second		
PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY and SILT, brown, some	0	2'

	·
SITE ID	DANGB-8-MV16
DATE DRILLED:	8/10/88
DATE INSTALLED	8/10/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEDLOGIST	P. RIEMERSMA

WELL, CONSTRUCTION:

Well 8MW16 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.



SITE ID:	DANGB-8-MV17
DATE DRILLED	8/10/88
DATE INSTALLED	8/10/88
DRILLING METHOD	ROTASÓNIC
PROJECT NO.	□R001
GEOLOGIST:	P. RIEMERSMA

WELL CONSTRUCTION:

Well 8MW17 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BELOV L.S.	WELL CONSTRUCTION DETAILS
PEAT, dark brownish black SILT. some clay, brown, no pebbles SAND some clay, fine to medium, brown, no pebbles CLAY some silt, brown, some pebbles CLAY and SILT, brown, some pebbles	10	1.5 '

SITE ID:	DANGB-4-MW21
DATE DRILLED:	8/20/88
DATE INSTALLED	8/20/88
DRILLING METHOD:	ROTASONIC
PROJECT NO.	□R001
GEOLOGÎŞT:	M. RODDY

WELL CONSTRUCTION

Well 4MW21 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
SAND and SILT, brown, soft	0 5 10 11 12 12 12 12 12 12 12 12 12 12 12 12	3.5

ES

SĮTE ID:	DANGB-4-MW22
DATE DRILLED	.8/20/88
DATE INSTALLED	8/20/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEOLOGIST:	P. RIERMĘRSMA

WELL CONSTRUCTION:

Well 4MW22 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
PEAT, black, organic rich CLAY, mottled gray and brown to brown, firm, pliable 1 inch SAND layers at 18 and 19 ft. SILT some CLAY, interbedded with fine sand layers SILT some CLAY and GRAVEL, brown, pebbles, very firm SAND some SILT and CLAY, fine, brown BEDROCK PEDROCK	20	6.

6 v	
SITE ID:	DANGB-4-MV23
DATE DRILLED:	8/18/88
DATE INSTALLED	8/18/88
DRILLING METHOD:	ROTASONIC
PROJECT NO.	©R001
GEOLOGIST: P. R	RIERMERSMA & M. RODDY

WELL CONSTRUCTION

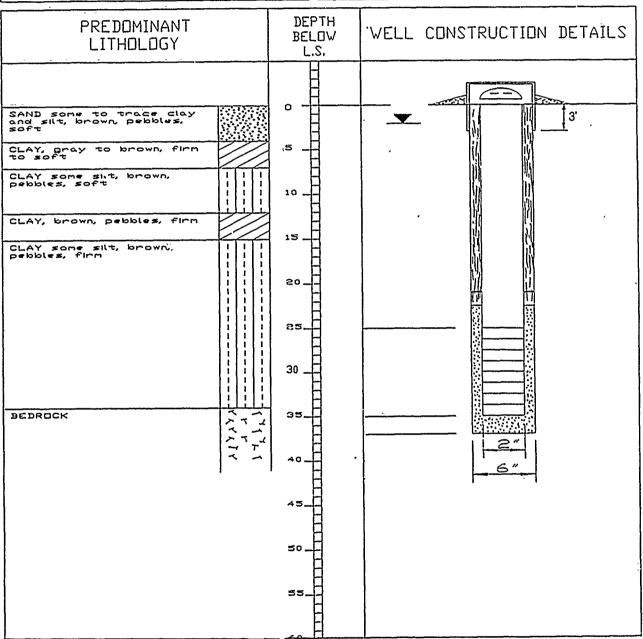
Well 4MW23 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

<u></u>		
PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
	BELOW L.S	WELL CONSTRUCTION DETAILS
	<u> </u>	

SITE ID:	DANGB-4-MV24
DATE DRILLED	8/24/88
DATE INSTALLED	8/24/88
DRILLING MÉTHODI	ROTASONIC
PROJECT NO:	DR001
GEOLOGIST:	м. РОДДУ

WELL CONSTRUCTION

Well 4MW24 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.



SITE ID:	DANGB-3-MW25
DATE DRILLED	8/26/88
DATE INSTALLED	8/26/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEOLOGIST:	м. КОДДУ

WELL CONSTRUCTION:

Well 3MW25 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY		DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY some silt, brown,		o 	3'
		5	
SAND, fine, brown, abundant pebbles CLAY some silt, brown, abundant pebbles BEDROCK	崇	15	
		25	6"

ES

	<u> </u>
SITE IĎ:	DANGB-3-MW26
DATE DRILLED	8/26/88
DATE INSTALLED	8/26/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEOLOGIST:	M. RODDY

WELL CONSTRUCTION

Well 3MW26 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

	ببب لبنب	<u> </u>
PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY some sit, brown, abundant pebbles.	0 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	6"

SITE ID:	DANGB-3-MW27
DATE DRILLED	8/24/88
DATE INSTALLED	8/24/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEOLOGIST	M. RODDY

WELL CONSTRUCTION

Well 3MW27 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BELOV L.S.	WELL CONSTRUCTION DETAILS
CLAY and silt, gray to brown CLAY some silt, brown CLAY some silt, brown, abundant pebbles I I I I I I I I I I I I I I I I I I I	20 25 27 27 27 27 27 27 27 27 27 27 27 27 27	1.5

SITE ID:	DANGB-3-MW28
DATE DRILLED	8/27/88
DATE INSTALLED	8/27//88
DRILLING METHOD	RDTASONIC
PROJECT NO.	ER001
GEOLOGIST:	M. RODDY

WELL CONSTRUCTION

Well 3MV28 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

		
PREDOMINANT LITHOLOGY	DEPTH BELOV L.S.	WELL CONSTRUCTION DETAILS
PREDOMINANT LITHOLOGY CLAY, black to nottled gray and brown CLAY, some silt, brown, pebbles CLAY and SILT, brown, abundant pebbles CLAY and SILT, brown, abundant pebbles CLAY and SILT, brown, abundant pebbles	BELOW	WELL CONSTRUCTION DETAILS

	<u></u>
SITE ID:	DANGB-3-MW29
DATE DRILLED:	8/30/88
DATE INSTALLED	8/30/88
DRILLING METHOD:	ROTASONIC
PROJECT NO.	□R001
GEOLOGIST:	M. RODDY

WELL CONSTRUCTION:

Well 3MW29 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

	· · · · · · · · · · · · · · · · · · ·		
PREDOMINANT LITHOLOGY		DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY and SILT, brown, abundant pebbles CLAY, some silt, brown, abundant pebbles SAND, some silt, brown, abundant pebbles		0	1.5 ·

SITE ID:	DANGB-3-MV30
DATE DRILLED:	8/26/88
DATE INSTALLED:	8/26/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	_ □R001
GEOLOGIST	M. RODDY

WELL CONSTRUCTION

Well 3MW30 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size 0.010 inches. The well is complete about two and one half feet above land surface and is enclosed in a metal protective casing.

000000	ل	
PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY and SILT, brown,	5	

SITE ID:	DANGB-3-MW31
DATE DRILLED	8/27/88
DATE INSTALLED	8/27/88
DRÍLLING METHOD	ROTASONIC
PROJECT NO.	OR001
GEOLOGIST:	M. RODDY

WELL CONSTRUCTION:

Well 3MW31 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BÉLOW L.S.	WELL CONSTRUCTION DETAILS
CLAY and SILT, light brown; abundant publies BOULDER CLAY and SILT, brown, abundant pebbles SAND and GRAVEL, gray, medium to coarse, fines Washed away BEDROCK CLAY and SILT, brown, abundant pebbles SAND and GRAVEL, gray, Gozé A A A A A A A A A A A A A A A A A A A	10	4'

SITE ID:	DANGB-BG-MW32
DATE DRILLED	9/29/85>
DATE INSTALLED	8/29/88
DRILLING METHOD	ROTASONIC
PROJECT NO.:	OR001
GEQLOGIST:	M. RODDY

WELL CONSTRUCTION

Well BGMW32 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY		DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
BOULDER CLAY, some silt, tan and brown, abundant pebbles BOULDER CLAY, some silt, brown, abundant pebbles SAND, some silt, fine, brown, abundant pebbles	\rangle \rangle \rangle \rangle \rangle \rangle \rightarrow \rangle		

SITE ID:	DANGB-3-MW33
DATE DRILLED:	8/27/88
DATE INSTALLED	8/27/88
DRILLING METHOD:	ROTASONIC
PROJECT NO.	□R001
GEDLOGIST	M. RODDÝ

WELL CONSTRUCTION

Well 3MW33 is contructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

GCGCGGT 1		
PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
SILT, some clay and sand, brown, fine, abundant pebbles	20 25	

	<u> </u>	_
SITE ID	DANGB-3-MW34	
DATE DRILLED	8/29/88	
DATE INSTALLED	8/29/88	
DRILLING METHÔD:	ROTASONIC	
PROJECT NO.	□R001].
GEOLÓGIST:	M. RODDY	

WELL CONSTRUCTION:

Well 3MW34 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

GENERALIS IN KODDA	ل	
PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY, some silt, brown, abundant, pebbles CLAY and SILT, brown, abundant pebbles SILT, some clay, brown abundant pebbles	5	1.5

ES

SITE ID:	DANGB-3-MV35
DATE DRILLED:	8/25/88
DATE INSTALLED	8/25/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEOLOGIST	.M. RODDY

WELL CONSTRUCTION:

Well 3MW35 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
SAND some silt, abundant pebbles, black-brown, abundant pebbles BDULDER CLAY, some silt and sand, brown, abundant pebbles SAND some silt, abundant pebbles BEDROCK SAND some silt, abundant pebbles ATTY TANA ATTY ATTY TOTAL ABUNDANT PEBBLES BEDROCK	0 - 10 - 15 - 10 - 15 - 10 - 15 - 10 - 15 - 10 - 15 - 10 - 10	1.5

SITE ID:	DANGB-2-MW37
DATÉ DRÍLLED	8/15/88
DATE INSTALLED	8/15/88
DRILLING METHOD	RDTASONIC
PROJECT NO.:	□R001
GEOLOGIST: P: RIE	MERSMA and M. RODDY

WELL CONSTRUCTION:

Well 2MW37 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

dedecate. The state of the stat	ــالتت	,
PREDOMINANT LITHOLOGY	DEPTH BELOV L.S.	WELL CONSTRUCTION DETAILS
CLAY some SILT, brown, pliable SAND some GRAVEL, fine to coarse, brown CLAY some SILT, brown BEDROCK	20	

SITE ID:	DANGB-2-MV38
DATE DRILLED:	8/13/88
DATE INSTALLED	8/13/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	OR001
GEOLOGIST:	P. RIEMERSMA

WELL CONSTRUCTION:

Well 2MW38 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY		DEPTH BELOV L.S.	WELL CONSTRUCTION DETAILS
CLAY and SILT, brown, firm SAND and GRAVEL, fine to coarse, rock fragments, loose CLAY and SILT, brown, firm BEDROCK	, , , , , , , , , , , , , , , , , , ,		4'

SITE ID:	DANG-2-MV39
DATE DRILLED	8/15/88
DATE INSTALLED	8/15/88
DRILLING METHOD	ROTASONIC
PROJECT NO.:	□R001
GEOLOGIST	P. RIÉMERSMA

WELL CONSTRUCTION

Well 2MW39 is constructed of senedule 55 type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY DEPTH BELOW L.S. DEPTH WELL CONSTRUCTION DETAIL	_S



** * * *	
SITE ID:	DANGB-2-MW40
DATE DRILLED	8/16/88
DATE INSTABLED	8/16/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEOLOGIST:	P. RIEMERŚMA

WELL CONSTRUCTION:

Well 2MV40 is constructed of schedule 5% type 304 stainless steel casing. The screen slot size is 0,010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

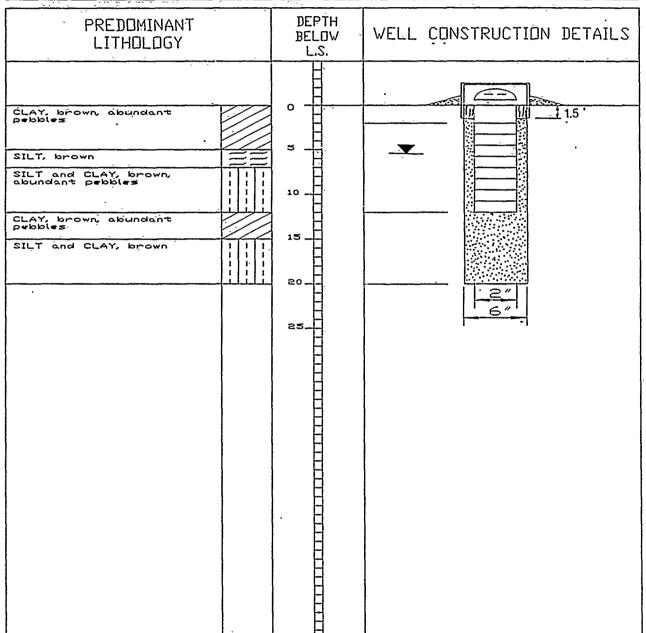
GEOLOGIST: F. KTEM		إ	
PŘEDÔMÍNANT LITHOLOGY		DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
	-		
CLAY, brown		o	1.5
CLAY some sit, brown abundant pebbles	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10	
BEDROCK	171	50 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6"

ES

SITE ID:	DANGB-2-MV41	
DATE DRILLED	8/17/88	
DATE INSTALLED	8/17/88	_
DRILLING METHOD	ROTASONIC	
PROJECT NO.	OR001	
GEOLOGISTI	м. Roddy	

WELL CONSTRUCTION:

Well 2MW41 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

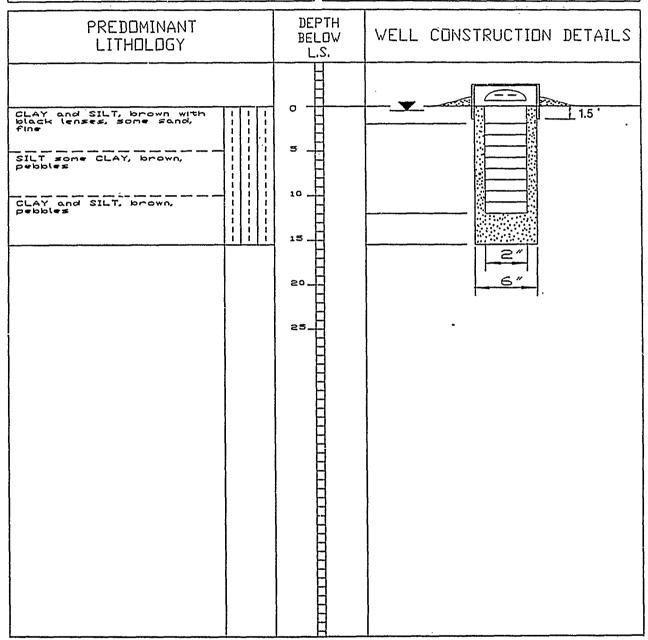


ES

SITE ID:	DANGB-BG-MW42
DATE DRILLED	8/18/88
DATE INSTALLED	8/18/88
DRILLING METHOD	ROTASONĮC
PROJECT NO.	□R001
GEOLOGIST	P. RIEMERSMA

WELL CONSTRUCTION

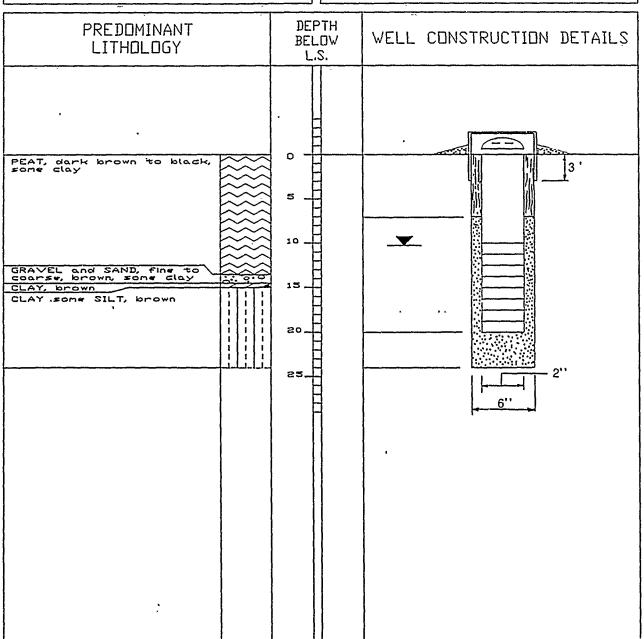
Well BGMW42 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.



SITE ID:	DANGB-BG-MW43
DATE DRILLED	8/18/88
DATE INSTALLED	8/18/88
DRILLING METHOD	ROTASÓNIC
PROJECT NO.	OR001
GEOLOGIST	P. RIEMERSMA

WELL CONSTRUCTION:

Well BGMW43 is constructed of schedule 5S type 304 stainless steel casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.





SITE ID:	DANGB-2-WP6
DATE DRILLED:	8/1/88 - 8/3/88
DATE INSTALLED	8/3/88
DRILLING METHOD	HSA; ROTASONIC
PROJECT NO.	□R001
GEOLOGIST	P. RIEMEŔSMA

WELL CONSTRUCTION:

Well 2WP6 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a 4 inch diameter metal protective casing.

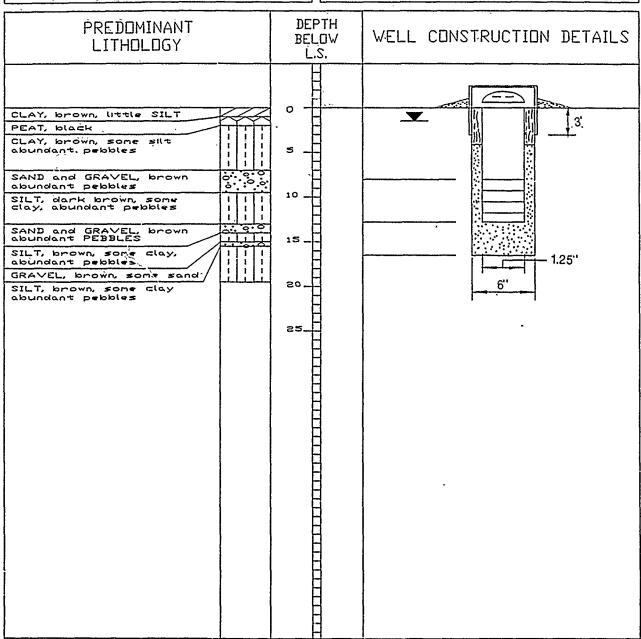
PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
SILT, light brown, some CLAY, some SAND, rare	25	1.25"



SITE ID:	DANGB-2-WP7
DATE DRILLED	8/17/88
ĎATÉ INSTALLÉĎ	8/17/88
DRILLING METHOD	ROTASÓNIC
PROJECT NO.:	□R001
GEOLOGIST	M. RODDY, P. RIEMERSMA

WELL CONSTRUCTION:

Well 2WP7 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a 4 inch diameter metal protective casing

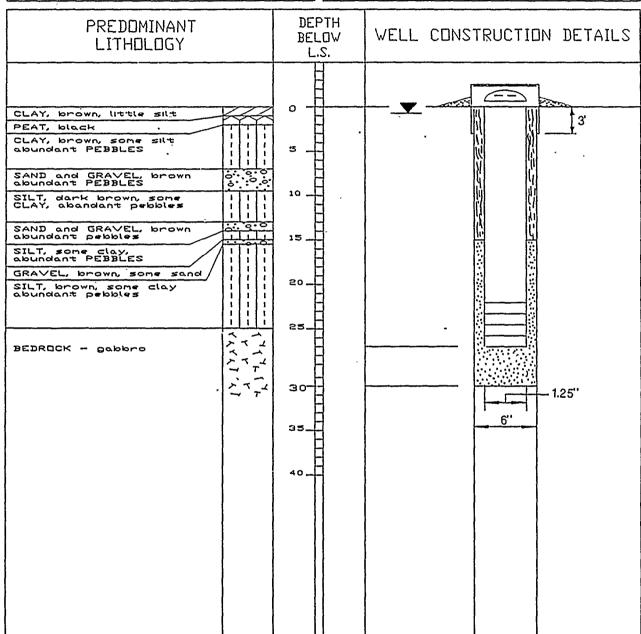


ES

SITE ID:	DANGB-2-WP7D
DATE DRILLED	8/16/88
DATE INSTALLED	8/16/88
DRILLING METHOD:	ROTASONIC
PROJECT NO.	QR001
GEOLOGIST	M. RODDY, P. RIEMERSMA

WELL CONSTRUCTION:

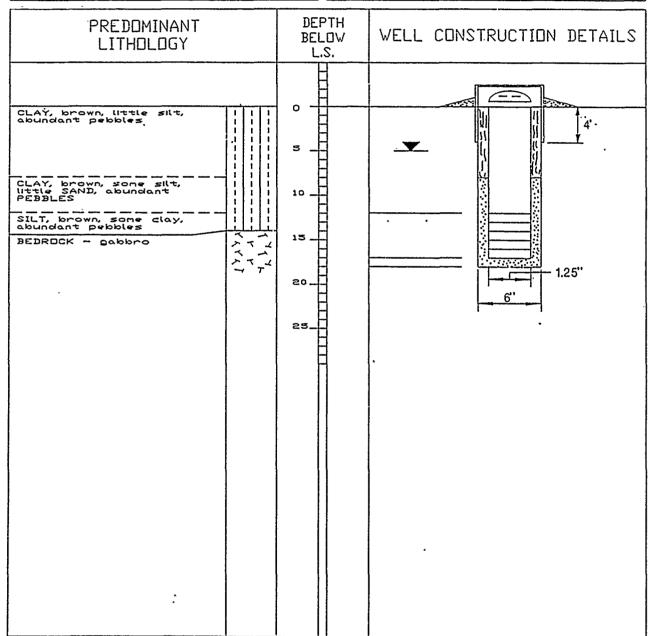
Well 2WP7D is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a 4 inch diameter metal protective casing



SITE ID:	DANGB-2-WP8
DATE DRILLED	8/17/88
DATE INSTALLED	8/17/88
DRILLING METHOD	ROTASONIC
PROJECT NO:	□R001.
GEDLOGIST:	M. RODDY

WELL CONSTRUCTION:

Well 2WP8 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a 4 inch diameter metal protective casing



SITE ID:	DANGB-8-WP9
DATE DRILLED	8/11/88
DATE INSTALLED	8/11/88
DRILLING METHOD	ROTASONIC
PROJECT NO:	□R001
GEOLOGIST:	P. RIEMERSMA

WELL CONSTRUCTION:

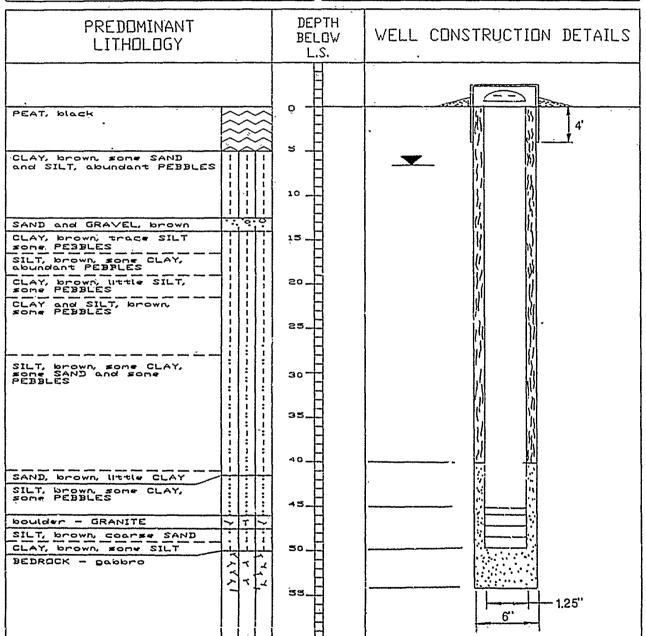
Well 8WP9 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY, brown, some sand, and silt, abundant pebbles SAND and GRAVEL, brown CLAY, brown, trace silt, some pebbles SILT, brown, some clay, abundant pebbles CLAY, brown, little silt, some pebbles	0 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 10	1.25"

SITE ID:	DANGB-8-WP9D
DATE DRILLED	8/11/88
DATE INSTALLED	8/11/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	OR001
GEOLOGIST:	P. RIEMERSMA

WELL CONSTRUCTION

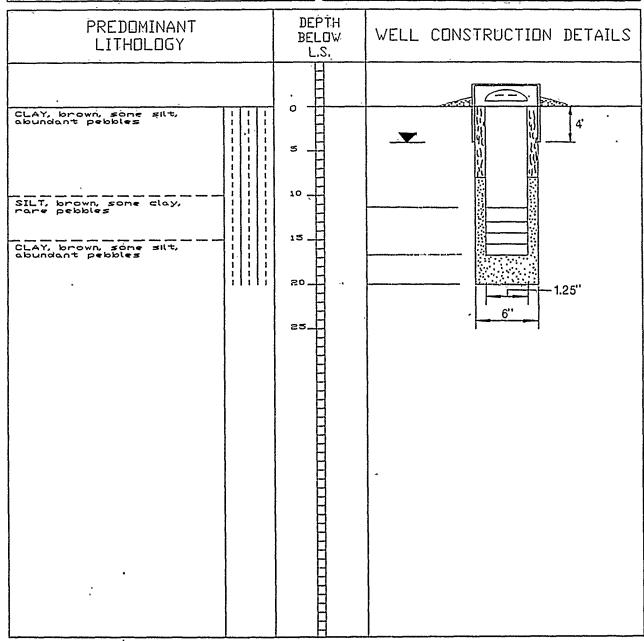
Well 8VP9D is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.



	<u> </u>
SITE ID:	DANGB-8-WP10
DATE DRILLED:	876/88
DATE INSTALLED	8/6/88
DRILLING METHOD:	ROTAŞONIC
PROJECT NO.	□R001
GEOLOGIST:	M. RODDY

WELL CONSTRUCTION:

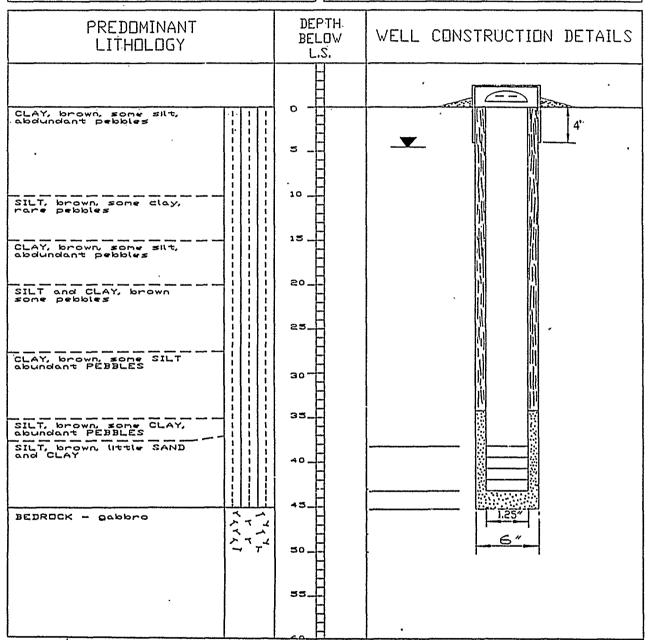
Well 8WP10 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a 4 inch diameter metal protective casing



SI.E ID	DANGB-8-WP10D
DATE DRILLED	8/6/88
DATE INSTALLED:	8/6/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GÉOLOGIST:	M, ŘÓDDY

WELL CONSTRUCTION:

Well 8WP10D is constructed of1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a 4 inch diameter metal protective casing





SITÉ ID:	DANGB-4-WP11
DATE DRILLED:	8/19/88
DATE INSTALLE	D: 8/19/88
DRILLING METHO	D: ROTASONIC
PROJĘCT NO.	□R001
GEOLOGIST	P. RIEMERSMA & M. RODDY

WELL CONSTRUCTION:

Well 4WP11 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY CLAY some sith brown, abundant pabbles PEAT, dairk brown to black SILT some clay, brown SILT some clay, bro
abundant pebbles PEAT, dark brown to black SILT some clay, brown SILT some clay, fine To medium, brown SILT some clay, brown SILT some clay, brown SILT some clay, brown SOME STATE BEDROCK A T 1 25

SITE ID:	DANGB-4-WP12
DATE DRILLED	8/22/88
DATE INSTALLED:	8/22/88
DRILLING METHOD:	ROTASONIC
PROJECT NO.	□R001
GEQLOGIST:	P. RIEMERSMA

WELL CONSTRUCTION:

Well 4WP12 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY some silt, brown to mottled green and red abundant pebbles SILT some sand and clay, brown, fine, pebbles CLAY some sand and clay, brown, abundant pebbles I I I I I I I I I I I I I I I I I I I	20	1.25° 6 "

SITE ID:	DANGB-4-WP12D
DATE DRILLED	8/22/88
DATE INSTALLED	8/22/88
DRILLING METHOD	ROTASONIC
PROJECT NO.:	□R001
GEDLOGIST:	P. RIEMERSMA

WELL CONSTRUCTION

Well 4WP12D is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

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PRËDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
CLAY some silt, brown to mottled green and red, abundant pebbles SILT some sand and clay, fine, brown, pebbles CLAY and SILT, brown, abundant pebbles SILT, brown SAND some silt, fine, brown, abundant pebbles, poor recovery 25-32 ft. BEDROCK BEDROCK	20	1.25 6"
]	1 60 17	

	- · · · · · · · · · · · · · · · · · · ·	
SITE ID:	DANGB-4-WP13	
DATE DRÍLLED	8/22/88	
DATE INSTALLED	8/22/88	
DRILLING METHOD	ROTASONIC	·
PROJECT NO.:	□R001	
GEOLOGIST:	P. RIEMERSMA	

WELL CONSTRUCTION

Well 4WP13 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

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PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
SILT, some clay, brown PEAT, black. SILT and CLAY, brown to gray SAND, some clay, fine, light brown CLAY, mottled brown and gray	0	1.25 %

,		
SITE ID	DANGB-4-WP13D	-
DATE DRILLED	8/22/88	
DATE INSTALLED	8/22/88	
DRILLING METHÓD	ROTASONIC	Ţ
PROJECT NO.	□R001	
GEOLOGIST:	P. RIEMERSMA	

WELL CONSTRUCTION

Well 4WP13D is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

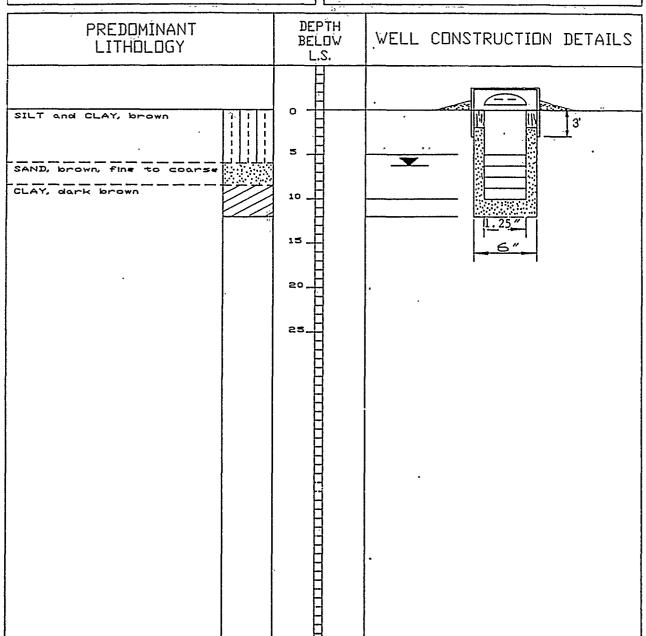
PREDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
SILT, some clay, brown PEAT, black SILT and CLAY, brown to gray SAND, some clay, fine, light brown CLAY, mottled brown and gray SILT, some clay, brown SILT, some clay, brown BEDROCK This is a second clay, brown I I I I I I I I I I I I I I I I I I I	10 15 15 15	33

ES

SITE ID:	DANGB-4-WP14
DATE DRILLED	8/23/88
DATE INSTALLED	8/23/88
DRILLING METHO	DI ROTASONIC
PROJECT NO.	□R001
ĢEOLOGĪST:	P. RIEMERSMA & M. RODDY

WELL CONSTRUCTION

Well 4WP14 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.



SITE ID:	DANGB-4-WP14D
DATE DRILLED:	8/23/88
DATE INSTALLED	8/23/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEOLOGIST: P.	RIEMERSMÀ & M. RODDY

WELL CONSTRUCTION

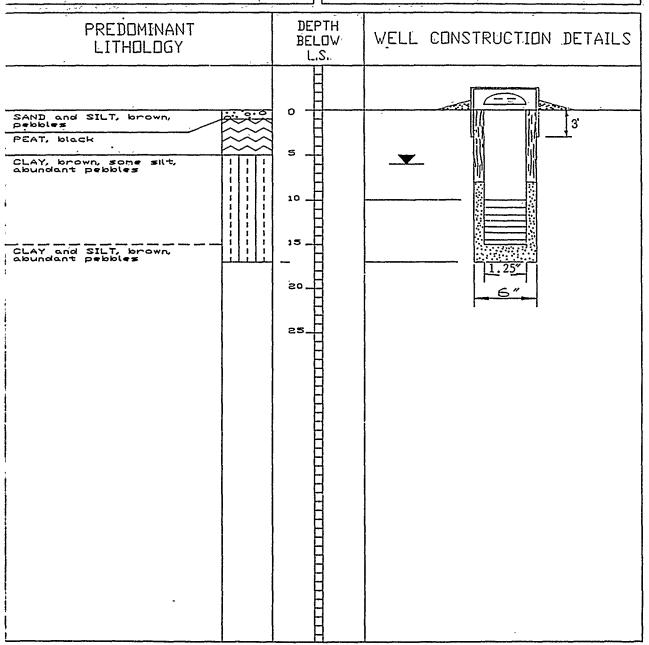
Well 4WP14D is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

PRÉDOMINANT LITHOLOGY	DEPTH BELOW L.S.	WELL CONSTRUCTION DETAILS
SAND, brown, fine to coarse CLAY, dark brown SAND and CLAY, brown BEDROCK	 20	1.25° 6°

	<u> </u>	
SITE ID:	DANGB-4-WP15	
DATE DRILLED	8/23/88	
DATE INSTALLED	8/23/88	
DRILLING METHOD:	ROTASONIC	
PROJECT NO:	□R001	
GEOLOGIST	м. РОДДУ	

WELL CONSTRUCTION

Well 4WP15 is constructed of 1:25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a 4 inch diameter metal protective casing

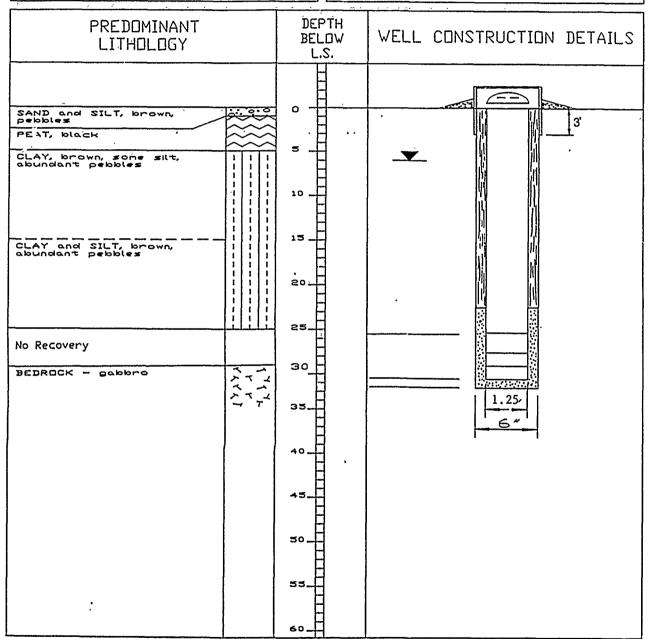


ES

SITÉ ÎD	DANGB-4-WP15D
DATE DRILLED	8/23/88
DATE INSTALLED	8/53/88
DRILLING METHOD	ROTASONIC
PROJECT NO.	□R001
GEOLOGISŤ:	M. RODDY

WELL CONSTRUCTION

Well 4WP15D is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one haif feet above land surface and is enclosed in a 4 inch diameter metal protective casing



ES

SITE ID:	DANGB-4-WP16
DATE DRILLED	8/19/88
DATE INSTALLED	8/19/88
DRILLING METHOD:	ROTASONIC
PROJECT NO.	□R001
ĢEQĽOGJSTI P. RI	EMERSMA & M. RODDY

WELL CONSTRUCTION

Well 4WP16 is constructed of 1.25 inch diameter schedule 40 PVC casing. The screen slot size is 0.010 inches. The well is completed about two and one half feet above land surface and is enclosed in a metal protective casing.

APPENDIX G
AQUIFER SLUG TESTS

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SECTION G.1 INTRODUCTION

SECTION G.1 INTRODUCTION

Seven aquifer slug tests were conducted to investigate the hydraulic properties of the unconsolidated glacial till aquifer underlying the Minnesota Air National Guard Base at Duluth International Airport. Three slug tests were performed at Site 3; two slug tests were conducted at Site 8; and one each at Sites 2 and 4. A summary of slug tested wells and of each well's construction details is given in Table G-1. Well locations are shown in Figure G-1. A detailed description of the data collection and analysis is presented in the following sections.

TABLE G-1 WELL CONSTRUCTION SUMMARY FOR SLUG TESTED WELLS

Well No.	WellDepth (feet)	Well Diameter (inches)	Screen Length (feet)	SaturatedThickness of Screened Interval (feet)
GW 2-E	19	2	10	7.25
DANGB-3-MW25	16	2	10	10.00
DANGB-3-MW33	22	2	10	10.00
DANGB-3-MW34	12	2	10	5.41
DANGB-4-MW22	33.5	2	10	10.00
DANGB-8-MW16	31	2	10	10.00
GW 8-A	13	2	10	6.21

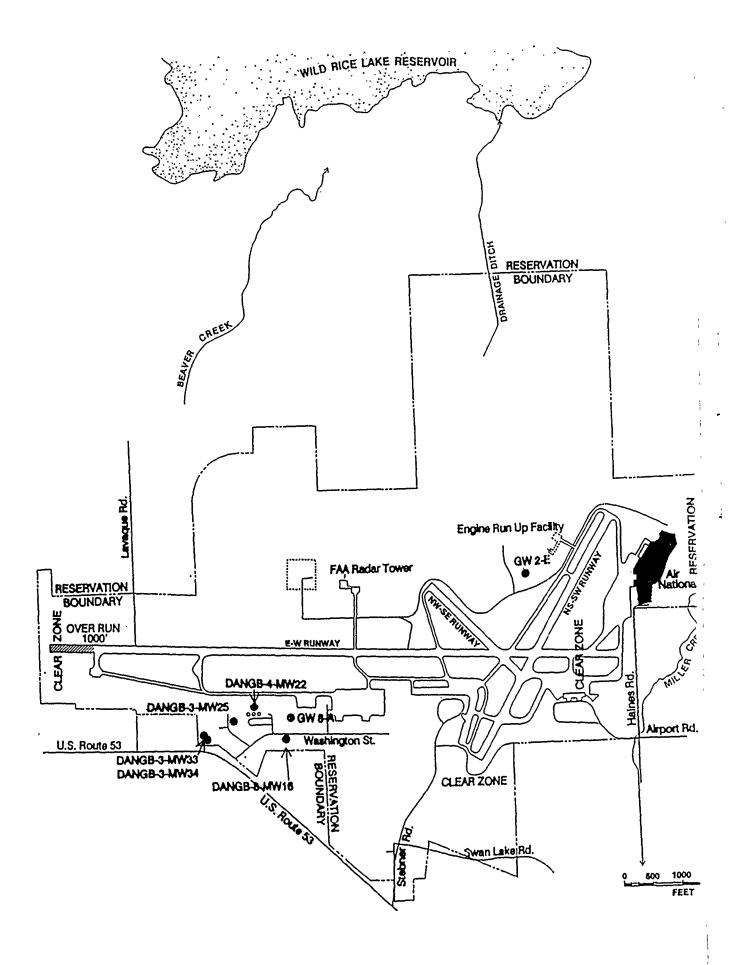
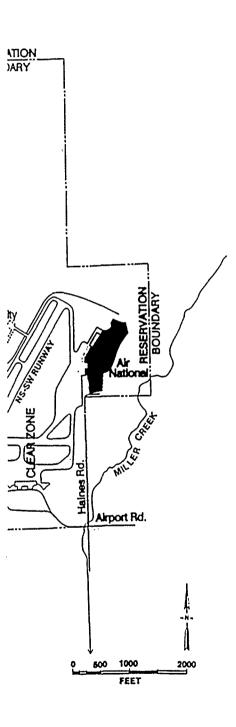


Figure G - 1 Slug Test Locations.

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SECTION G.2 SLUG TEST METHOD

SECTION G.2 SLUG TEST METHOD

The slug test method is a technique used to calculate values of transmissivity (T). This method is recommended for confined aquifers whose transmissivity is less than 7000 square feet per day (ft²/day) (Lohman, 1972). The value of transmissivity derived from this method would apply to the saturated thickness of the screened or open interval in each well.

A pressure transducer and automatic recorder were used to collect data during testing. The pressure sensor was placed below the water level in the well and the water level allowed to stabilize; then a metal slug was injected into the well and the water levels were measured at closely spaced intervals over the time required for the water level to recover to its approximate original position (Figure G-2). After equilibrium was reached, the slug was withdrawn and again the water levels were measured at closely spaced intervals over the time required for the water level to recover to its approximate original position.

The slug test data were reduced and transmissivities were computed following the method outlined in Lohman (1972). Values of H/H_0 versus time were then plotted on semi-logarithmic paper and the resulting data curve matched to the type curves to obtain the information required to compute transmissivity. The terms H and H_0 are defined as:

- H = head inside the well above or below the reference water level at some time, t, after injection of the slug; and
- H_O = initial head inside the well above or below the reference water level at the start of the slug test.

Time for the analysis starts when the slug is placed in the water.

The type curves used in the slug test method are numerical solutions to the theoretical equation used to describe the response of a well to an instantaneous injection of a slug (Cooper, Bredehoft, and Papadopulus, 1967). These curves are shown in Figure G-3 as a dimensionless plot of H/H_0 versus Tt/r_c^2 for various values of α where:

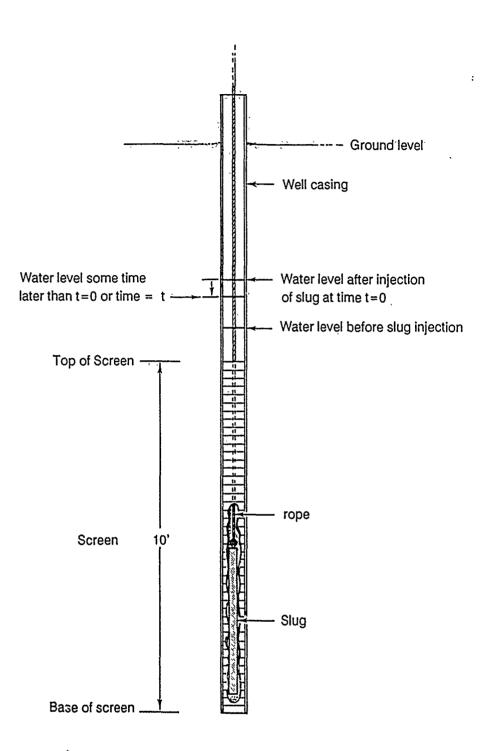


Figure G - 2 Schematic Illustration of a Slug Test.

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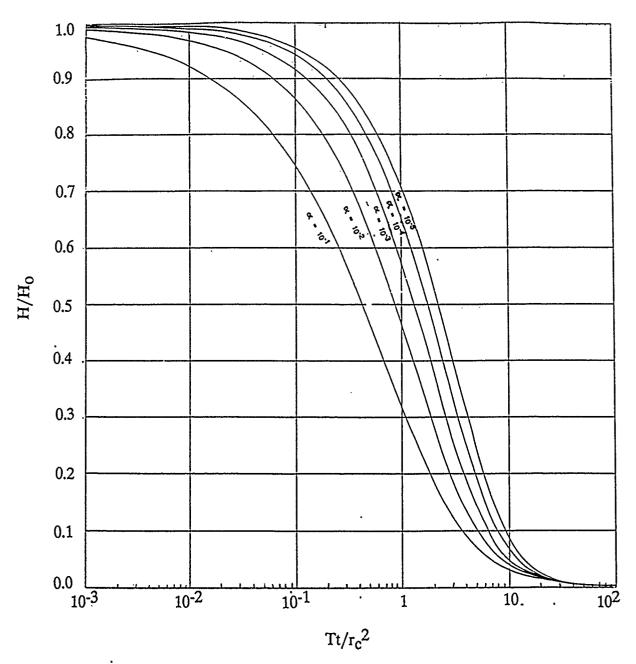


Figure G - 3 Type Curves for H/H_0 versus Tt/r_c^2 for five values of α .

 $\alpha = (r_s/r_c)^2 S$; no dimensions:

r_s = radius of screened interval, in units of length;

r_c = radius of the casing over which water level fluctuates, in units of length;

S = storage coefficient, no dimensions;

t = time in seconds; and

T = transmissivity in units of length squared per unit time.

After the curves are superimposed, time on the data curve can be matched at any point to the dimensionless parameter Tt/r_c^2 on the type curve to find a solution for transmissivity. Choosing time on the data curve where $Tt/r_c^2 = 1.0$ leads to the following equation for transmissivity:

$$T = 1.0 r_c^2 / t$$
.

This equation is used in the analyses presented in this report.

The hydraulic conductivity is calculated from the equation,

$$K = T/b$$
,

where b is the saturated thickness of the screened interval. Values of initial head and initial time used in the analysis varied from the theoretical values. Because of instability of early water levels within the well upon injection of the slug, the value of the initial head was chosen as that where water levels stopped oscillating, usually less than five seconds after the slug was in place. The corresponding initial time was then adjusted to start at the selected value of initial head and the data adjusted to reflect this translation in the time parameter.

The storage coefficient for the aquifer can also be computed from the equation:

$$S = \alpha (r_c/r_s)^2$$

Determination of the storage coefficient by this method is of questionable validity since the type curves differ only slightly when "alpha" differs by an order of magnitude (Cooper, Bredenhoeft, and Papadopulos, 1967). Storage coefficients were computed as a part of the analyses as general information for the reader.

SECTION G.3 SLUG TEST ANALYSIS

SECTION G.3 SLUG TEST RESULTS

Slug injection tests and slug withdrawal tests were performed on seven wells. The slug injection test was initiated by inserting a slug into the well and recording the subsequent decline in water levels. After water levels had stabilized, the slug was removed from the well and the subsequent rise in water levels recorded as part of the withdrawal test.

Transmissivity and hydraulic conductivity were calculated from the data collected from each test with the results summarized in Table G-2. The results of the two tests are generally in agreement for the four wells where the screened interval was saturated. The withdrawal results for the three wells where the screen was not saturated are suspect and do not agree with the injection test results. Both newly constructed and previously constructed wells show this discrepancy. Dewatering of the sand pack around each well may have caused initial rapid rises in water level which distorted the withdrawal results. The transmissivities and hydraulic conductivities obtained from the injection results for all wells correlate with recharge times made during purging of wells.

G.3.1 Slug Testing at Site 2

At Site 2, monitoring well GW 2-E was slug tested. The well is located downgradient from Fire Training Area 2 (FTA 2) which is the nearest contaminant source area. Well GW 2-E was completed in reddish-brown well-graded sand with coarse gravel and some silt (Dames & Moore, 1987).

The slug test data for GW 2-E were collected on September 9, 1988. The injection data and withdrawal data are presented in Tables G-3 and G-4, respectively. The values of H/H_0 and time used for computing transmissivity are given in Table G-5 for the injection test and Table G-6 for the withdrawal test. The values of H_0 and initial time used to construct Tables G-5 and G-6 are based on a visual inspection of the graphs of water level, H versus elapsed time for slug injection and withdrawal, Figures G-4 and G-5.

Analysis of the slug injection test results gives an apparent transmissivity of 37.4 gallons per day per foot (g/d/ft) and the apparent storage coefficient is 10^{-3} (Figure G-6). The apparent hydraulic conductivity is 5.2 gallons per day per square foot $(g/d/ft^2)$ based on the apparent transmissivity and a saturated

TABLE G-2 SUMMARY OF SLUG TEST RESULTS

. •	Transmissivity (gal/day/ft) Injection Withdrawal		Conductivity Hydraulic (gal/day/ft ²) Injection Withdrawal		Saturated thickness of screened interval (2)
Well No.					(feet)
GW 2-E	37.4	3451	5,2	47.6 ¹	7.25
DANGB-3-MW25	20.4	37.4	2.0	3.7	10.00
DANGB-3-MW33	14.5	4.1	1.4	0.4	10.00
DANGB-3-MW34	1.2	64.1 ¹	0.2	11.8 ¹	5.41
DANGB-4-MW22	22.4	10.9	2.2	1.1	10.00
DANGB-8-MW16	15.0	10.9	1.5	1.1	10.00
GW 8-A	8.6	321 ¹	1.4	51.7 ¹	6.21

^{1.} These numbers are interpreted as not representative of aquifer properties but are presented here for completeness. The lack of 100 percent saturated screen thickness and dewatering of the sand pack around each well may have caused initial rapid rises in water level which distorted the withdrawal results.

^{2.} The total length of the screened interval is ten feet.

TABLE G-3
SLUG INJECTION TEST DATA FROM SITE 2
MONITORING WELL, GW 2-E

TIME FROM S	START	TIME FROM S	TART
OF TEST	H	OF TEST	H
(MIN)	(FT)	(MIN)	(FT)
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 25.0 30.0 45.0 60.0	0.00 0.03 0.04 0.04 0.04 0.06 0.06 0.06 0.06 0.06	70.0 75.0 80.0 85.0 90.0 95.0 100.0 110.0 115.0 120.0 150.0 180.0 240.0 240.0 240.0 300.0 330.0 360.0 390.0 420.0 450.0 480.0 510.0 540.0 570.0 600.0 660.0 720.0 780.0 840.0 900.0 960.0 1020.0 1080.0 1140.0 1200.0	0.33 0.31 0.30 0.30 0.28 0.28 0.28 0.26 0.25 0.23 0.22 0.20 0.19 0.17 0.15 0.14 0.11 0.11 0.09 0.09 0.09 0.09 0.09 0.09

TABLE G-4
SLUG WITHDRAWAL TEST DATA FROM SITE 2
MONITORING WELL GW 2-E

TIME FROM START OF TEST (MIN)	H (FT)	-	TIME FROM START OF TEST (MIN)	H (FT)
0.0000 0.0033 0.0066 0.0099 0.0133 0.0166 0.0200 0.0233 0.0266 0.0300 0.0333 0.0500 0.0666 0.0833 0.1000 0.1166 0.1333 0.1500 0.1666 0.1833 0.2000 0.2166 0.2333 0.2000 0.2166 0.2333 0.2500 0.2666 0.2833 0.3000 0.3166 0.3333 0.4167 0.5000 0.5833 0.4167 0.5000 0.5833 0.9167 1.0000 1.0833 1.1667 1.2500 1.3333	-0.01 0.01 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.13 1.34 1.34 1.34 1.34 1.15 1.10 1.04 0.98 0.95 0.80 0.77 0.83 0.83 0.83 0.83 0.94 0.95		1.5000 1.5833 1.6667 1.7500 1.8333 1.9167 2.0000 2.5000 3.0000 3.5000 4.0000 4.5000 5.0000 6.5000 7.0000 7.5000 8.0000 8.5000 9.5000 10.0000 11.0000 11.0000 12.0000 13.0000 14.0000 15.0000 15.0000 16.0000 17.0000 18.0000 19.0000 21.0000 21.0000 22.0000 23.0000 24.0000 25.0000 26.0000 27.0000	0.41 0.41 0.39 0.38 0.36 0.31 0.28 0.25 0.20 0.19 0.17 0.15 0.15 0.15 0.15 0.14 0.14 0.14 0.14 0.11 0.11 0.09 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.07 0.07 0.07 0.07 0.07 0.07 0.09
1.4166	0.42 0.42	, Î	28.0000 29.0000 30.0000	0.09 0.07

TABLE G-5
SEUG INJECTION ANALYSIS DATA
FOR SITE 2 MONITORING WELL, GW 2-E

TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)_	H/H _o
15.0	0.0	0.44	1.0000
16.0	1.0	0.44	1.0000
17.0	2.0	0.42	0.9545
18.0	3.0	0.41	0.9318
19.0	4.0	0.42	0.9545
20.0	5.0	0.41	0.9318
25.0 ·	10.0	0.44	1.0000
30.0	15.0	0.47	1.0682
35.0	20.0	0.39	0.8864
40.0	25.0	0.39	0.8864
45.0	30.0	·0.38	0.8636
50.0 ⁻	35.0	0.36	0.8182
55,0	40.0	0.36	0.8182
60.0	45.0	0.34	0.7727
65.0	50.0	0.33	0.7500
70.0	55.0	0.33	0.7500
75.0	60.0	0.31	0.7045
80.0	65.0	0.31	0.7045
85.0	70.0	0.30	0.6818
90.0	75.0	0.30	0.6818
95.0	80.0	0.28	0.6364
100.0	85.0	0.28	0.6364
105.0	90.0	0.28	0.6364
110.0	95.0	0.26	0.5909
115.0	100.0	0.26	0.5909
120.0	105.0	0.25	0.5682
150.0·	135.0	0.23	0.5227
180.0	165.0	0.22	0.5000
210.0	195.0	0.20	0.4545
240.0	225.0	0.19	0.4318
270.0	255.0	0.17	0.3864
300.0	285.0	0.15	0.3409
330.0	315.0	0.14	0.3182
360.0	345.0	0.11	0.2500
390.0	375.0	0.11	0.2500
420.0	405.0	0.09	0.2045
450.0	435.0	0.09	0.2045
480.0	465.0	0.09	0.2045
510.0	495.0	0.07	0.1591
540.0 570.0	525.0	0.06	0.1364
570:0	555.0	0.06	0.1364

TABLE G-5 (CONTINUED)

SLUG INJECTION ANALYSIS DATA

FOR SITE 2 MONITORING WELL, GW 2-E

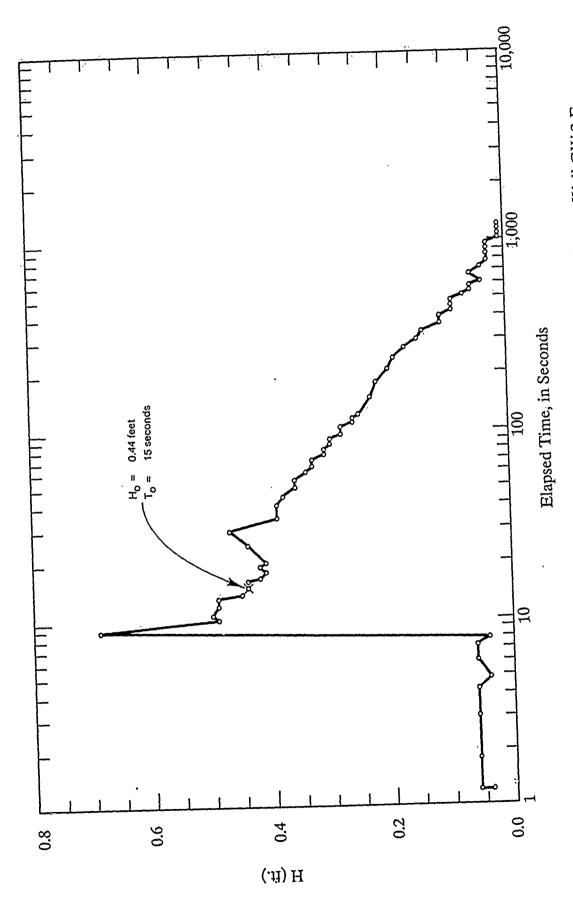
TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
600.0 660.0 720.0 780.0 840.0 900.0 960.0 1020.0 1080.0 1140.0 1200.0	585.0 645.0 705.0 765.0 825.0 885.0 945.0 1005.0 1125.0 1185.0	0.04 0.06 0.04 0.03 0.03 0.03 0.03 0.01 0.01 0.01	0.0909 0.1364 0.0909 0.0682 0.0682 0.0682 0.0227 0.0227 0.0227 0.0227

TABLE G-6
SLUG WITHDRAWAL ANALYSIS DATA
FOR SITE 2 MONITORING WELL, GW 2-E

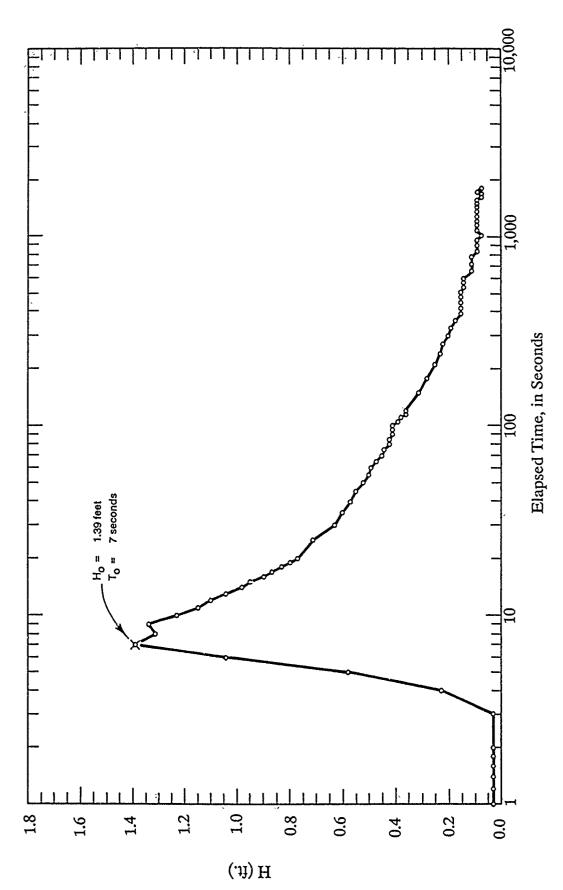
	50 30 40 a	4 44	www.www.sv.de
TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
0.1000	0	1.39	1.0000
0.1166	1	1.31	0.9424
0.1500	2	1.34	0.9640
0.1666 0.1833 0.2000 0.2166	1 2 3 4 5 6 7 8	1.23 1.15 1.10 1.04	0.8848 0.8273 0.7913 0.7482
0.2333	7	0.98	0.7050
0.2500	8	0.95	0.6834
0.2666	9	0.90	0.6474
0.2833	10	0.87	0.6258
0.3000	11	0.83	0.5971
0.3166	12	0.80	0.5755
0.3333	13	0.77	0.5539
0.4167	18	0.71	0.5107
0.5000	23	0.63	0.4532
0.5833	28	0.60	0.4316
0.6667	33	0.57	0.4100
0.7500	38	0.55	0.3956
0.8333	43	0.52	0.3741
0.9167	48	0.50	0.3597
1.0000	53	0.49	0.3525
1.0833	58	0.47	0.3381
1.1667	63	0.45	0.3237
1.2500	68	0.44	0.3165
1.3333	73	0.42	0.3021
1.4166	78	0.42	0.3021
1.5000	83	0.41	0.2949
1.5833	88.	0.41	0.2949
1.6667	93	0.41	0.2949
1.7500	98	0.39	0.2805
1.8333	103	0.38	0.2733
1.9167	108	0.36	0.2589
2.0000	113	0.36	0.2589
2.5000 3.0000 3.5000 4.0000	148 173 203	0.31 0.28 0.25	0.2230 0.2014 0.1798
4.5000	233	0.23	0.1654
4.5000	263	0.22	0.1582
5.0000	293	0.20	0.1438
5.5000	323	0.19	0.1366
6.0000	353	0.17	0.1223
		0.17	0.1223

TABLE G-6 (CONTINUED)

TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H- (FT)	H/H ₀
6.5000	383	0.15	0.1079
7.0000	413	0.15	0.1079
7.5000	443	0.15	0.1079
8:0000	473	0.15	0.1079
8.5000	503	0.15	0.1079
9.0000	533	0.14	0.1007
9.5000	563	0.14	0.1007
10.0000	593	0.14	0.1007
11.0000	653	0.11	0.0791
12.0000	713	0.11	0.0791
13.0000	773	0.11	0.0791
14.0000	833	0.09	0.0647
15.0000	893	0.09	0.0647
16.0000	953	0.09	0.0647
17.0000	1013	0.07	0.0503
18.0000	1073	0.09	0.0647
19:0000	1133	0.09	0.0647
20,0000	1193	0.09	0.0647
21.0000	1253	0.09	0.0647
22,0000	1313	0.09	0.0647
23.0000	1373	0.09	0.0647
24.0000	1433	0.09	0.0647
25.0000	1493	0.09	0.0647
26.0000	1553	0.09	0.0647
27.0000	1613	0.07	0.0503
28.0000	1673	0.07	0.0503
29.0000	1733	0.09	0.0647
30.0000	1793	0.07	0.050



Water Level, H, Versus Elapsed Time For Slug Injection Test at Well GW 2-E. Figure G - 4



Water Level; H, Versus Elapsed Time for Slug Withdrawal Test at Well GW 2-E. Figure G-5

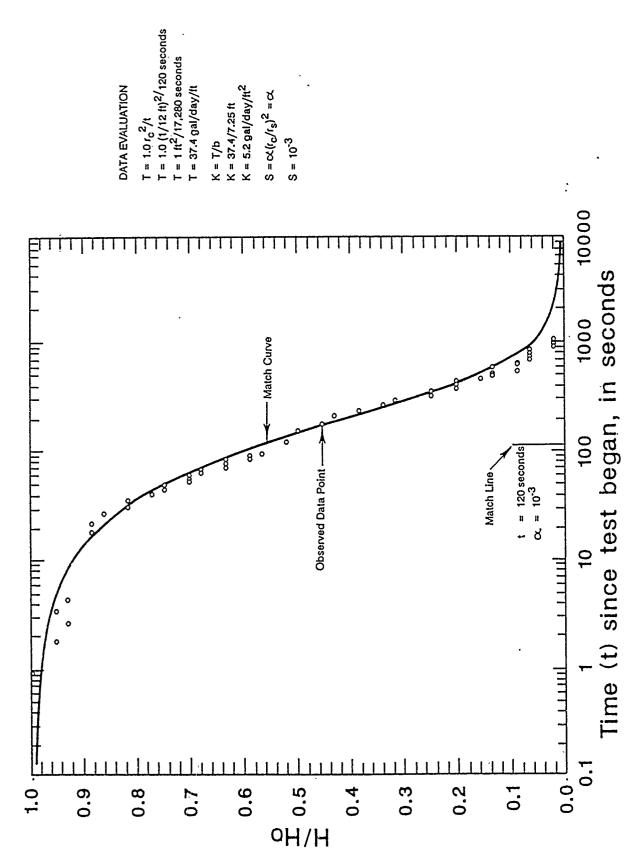


Figure G - 6 Analysis of Slug Injection Data From Well GW 2-E.

thickness for the screened interval of 7.25 feet.

Analysis of the slug withdrawal data for well DANGB-3-MW25 yields an apparent transmissivity of 345 g/d/ft and an apparent storage coefficient of 10⁻³ (Figure G-7). The apparent hydraulic conductivity is 47.6 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 7.25 feet.

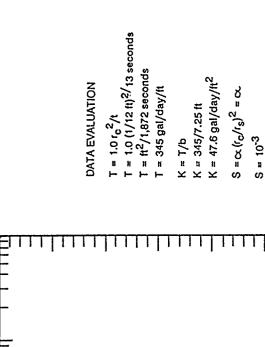
G.3.2 Slug Testing at Site 3

The wells tested at Site 3 were DANGB-3-MW33 and DANGB-3-MW34 which are hydraulically upgradient and DANGB-3-MW25 which is located hydraulically downgradient from the suspected principal area of contamination. Monitoring wells DANGB-3-MW33 and DANGB-3-MW25 are wells completed across the bedrock-glacial till contact while DANGB-3-MW34 is completed within the glacial till. The lithology of the screened interval of DANGB-3-MW33 consists of a thin gravel layer at the contact surface and glacial till consisting of poorly sorted silt, clay, and sand with abundant pebbles making up the rest of the interval. The screened interval of DANGB-3-MW34 consists of a glacial till similar to that encountered in well DANGB-3-MW33. For DANGB-3-MW25, the screened interval consists of a six inch sand layer near the bedrock-glacial till contact and poorly sorted clay and silt with abundant pebbles throughout the rest of the interval.

The slug test data for DANGB-3-MW25 were collected on September 8, 1988. The injection data and withdrawal data are presented in Tables G-7 and G-8, respectively. The values of H/H_0 and time used for computing transmissivity are given in Table G-9 for the injection test and Table G-10 for the withdrawal test. The values of H_0 and initial time used to construct Tables G-9 and G-10 are based on a visual inspection of the field data plots (Figures G-8 and G-9):

Analysis of the slug injection test results for well DANGB-3-MW25 gives an apparent transmissivity of 20.4 g/d/ft and the apparent storage coefficient is 10⁻² (Figure G-10). The apparent hydraulic conductivity is 2.0 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 10 feet.

Analysis of the slug withdrawal data for well DANGB-3-MW25 yields an apparent transmissivity of 37.4 g/d/ft and an apparent storage coefficient of 10^{-2} (Figure G-11). The apparent hydraulic conductivity is 3.7 g/d/ft² based



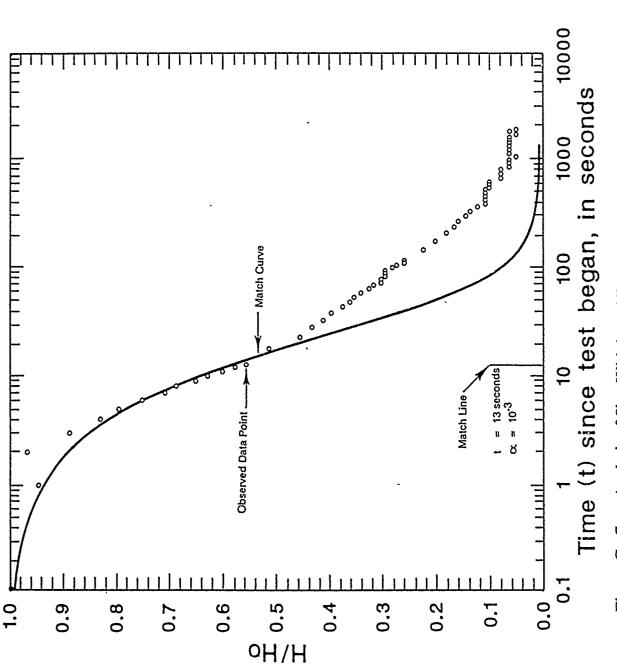
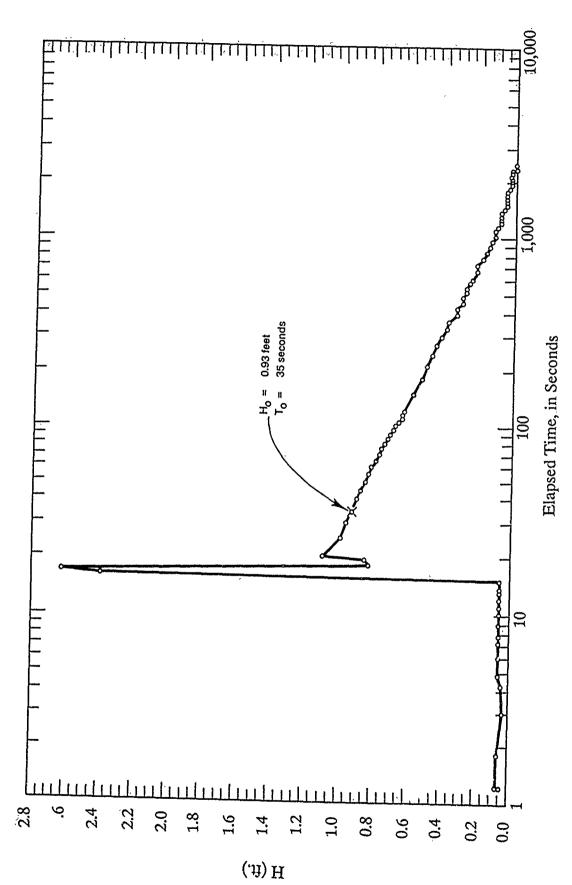


Figure G - 7 Analysis of Slug Withdrawal Data From Well GW 2-E.

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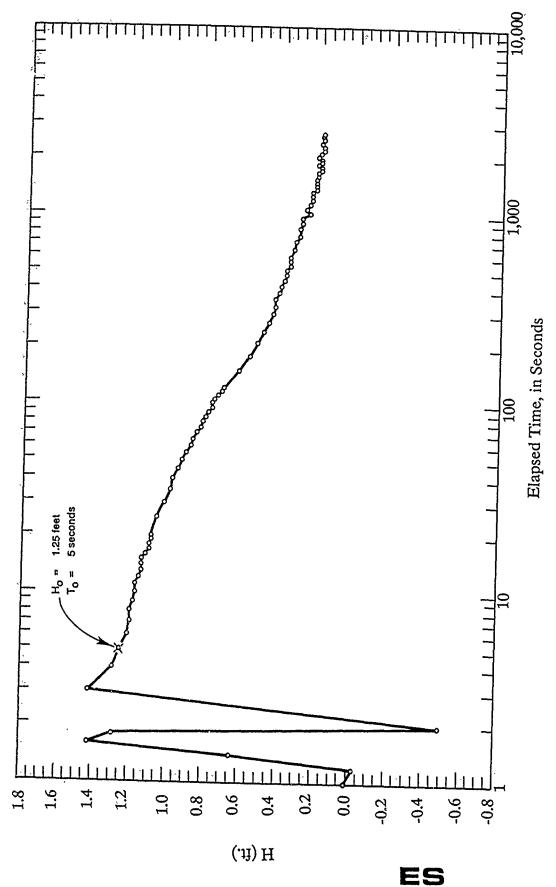
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Water Level, H, Versus Elapsed Time For Slug Injection Test at Well DANGB-3-MW25. Figure G - 8

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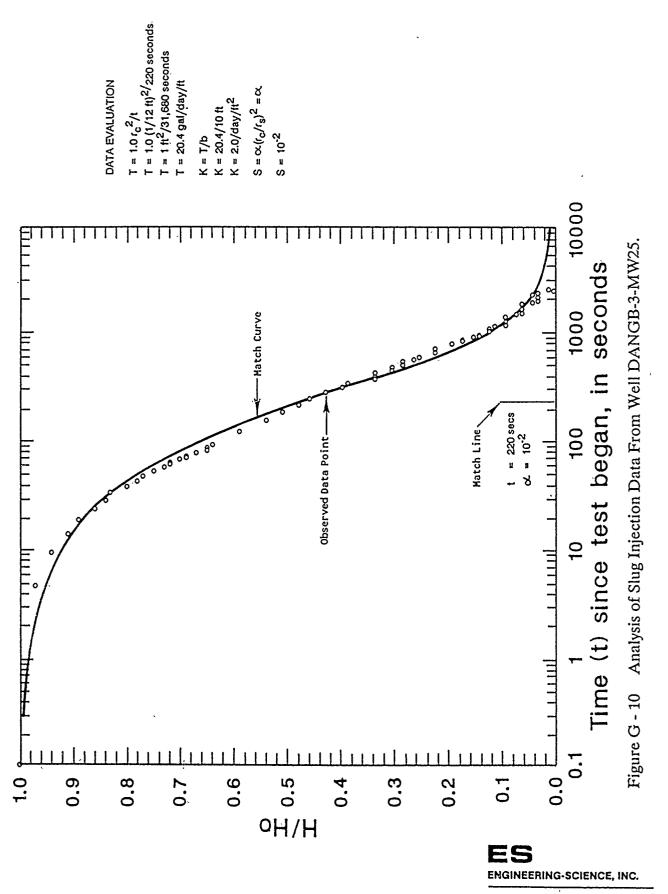
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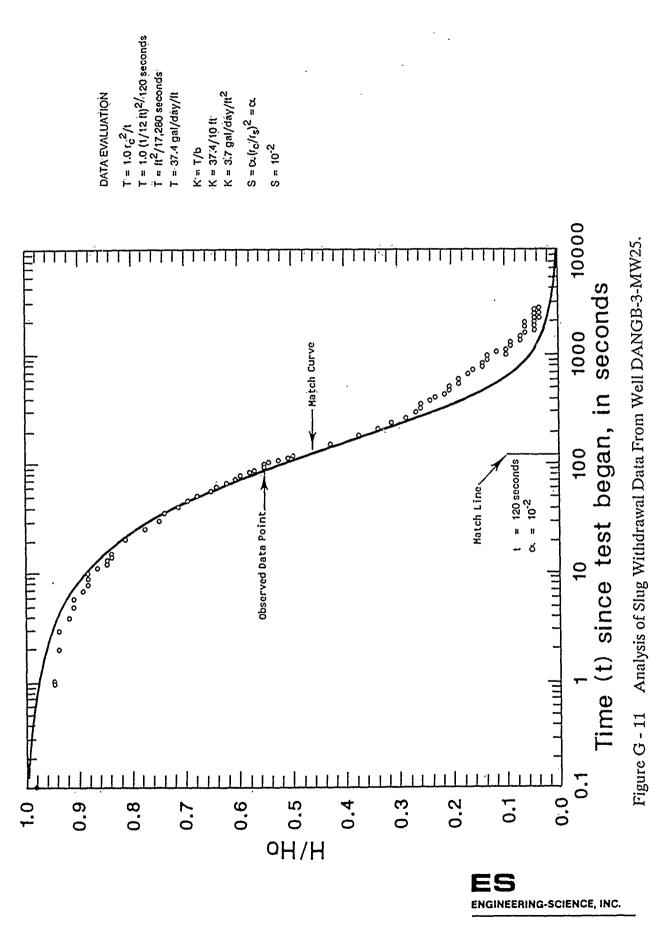


Water Level, H, Versus Elapsed Time for Slug Withdrawal Test at Well DANGB-3-MW25. Figure G - 9

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TABLE G-7
SLUG INJECTION TEST DATA FOR
SITE 3 MONITORING WELL, DANGB-3-MW25

		 	
TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
60.0 65.0 70.0 75.0	0.82 0.79 0.77 0.76	1800.0 1860.0 1920.0 1980.0	0.06 0.04 0.03 0.03

TABLE G-7 (CONTINUED)

TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
80.0	0.74	2040.0	0.03
85.0	0.72	2100.0	0.03
90.0	0.71	2160.0	0.04
95.0	0.69	2220.0	0.03
100.0	0.68	2280.0	0.03
105.0	0.66	2340.0	0.00
110.0	0.64	2400.0	0.00
115.0	0.64	2460.0	0.00

TABLE G-8
SLUG WITHDRAWAL TEST DATA FROM SITE 3
MONTTORING WELL DANGB-3-MW25

			3 e	
TIME FROM START OF TEST (MIN)	H (FT)		TIME FROM START OF TEST (MIN)	H (FT)
0.0000 0.0033 0.0066 0.0099 0.0133 0.0166 0.0200 0.0233 0.0266 0.0300 0.0333 0.0500 0.0666 0.0833 0.1000 0.1166 0.1333 0.1500 0.1666 0.1833 0.2000 0.2166 0.2333 0.2500 0.2666 0.2833 0.3000 0.3166 0.3333 0.4167 0.5000 0.5833 0.4167 0.5000 0.5833 0.6667 0.7500 0.8333 0.9167 1.0000	-0.01 0.00 0.01 0.01 0.01 -0.03 0.64 1.42 12.8 -0.49 1.42 1.29 1.25 1.21 1.20 1.18 1.17 1.17 1.15 1.14 1.14 1.14 1.14 1.14 1.10 1.09 1.08 1.09 1.09 1.09 1.09 1.08 1.09 1.09 1.09 1.08 1.09 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.08 1.09 1.08 1.09 1.08 1.08 1.09 1.08 1.09 1.08 1.09 1.08 1.08 1.08 1.09 1.08 1.0		3.0000 3.5000 4.0000 4.0000 5.0000 5.0000 6.5000 7.0000 7.5000 8.0000 8.5000 9.0000 9.5000 10.5000 11.0000 12.5000 13.0000 14.5000 5.0000 6.5000 17.0000 18.0000 19.0000 20.0000 21.0000 22.0000 23.0000 24.0000 25.0000 26.0000 27.0000 28.0000 39.0000 31.0000 31.0000 31.0000 32.0000	0.57 0.53 0.50 0.47 0.45 0.44 0.42 0.41 0.39 0.38 0.36 0.34 0.33 0.31 0.31 0.30 0.26 0.25
1.0033 1.1667	0.87 0.85	11	33.0000 34.0000	0.20 0.22

TABLE G-8 (CONTINUED)

TIME FROM START OF TEST (MIN)	H (FT)	2 N N N	TIME FROM STA OF TEST (MIN)	RT H (FT)
1.2500	0.83		35.0000	0.20
1.3333	0.82		36.0000	0.20
1.4166	0.80		37.0000	0.19
1.5000	0.79		38.0000	0.20
1.5833	0.77		39.0000	0.19
1.6667	0.77		40.0000	0.20
1.7500	0.76		41.0000	0.19
1.8333	0.74		42.0000	0.20
1.9167	0.72		43.0000	0.19
2.0000	0.71		44.0000	0.20
2.5000	0.63		45.0000	0.19

TABLE G-9
SLUG INJECTION ANALYSIS DATA
FOR SITE 3 MONITORING WELL, DANGB-3-MW25

			10
TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	Ĥ (FT)	H/H _o
35.0	0.0	0.93	1.0000
40.0	5.0	0.90	0.9677
45.0	10.0	0.88	0.9462
50.0	15.0	0.85	0.9140
75.0 60.0	20.0 25.0	0.83 0.82	0.8925 0.8817
65.0	30.0	0.82	0.8495
70.0	35.0	0.77	0.8280
75.0	40.0	0.76	0.8172
80.0	45.0	0.74	0.7957
85.0	50.0	0.72	0.7742
90.0	55.0	0.71	0.7634
95.0	60.0	0.69	0.7419
100.0 105.0	65.0 70.0	0.68	0.7312
110.0	70.0 75.0	0.66 0.64	0.7097 0.6882
115.0	80.0	0.64	0.6882
120.0	85.0	0.63	0.6774
150.0	115.0	0.58	0.6237
180.0	145.0	0.53	0.5699
210.0	175.0	0.50	0.5376
240.0	205.0	0.47	0.5054
270.0	235.0	0.45	0.4839
300.0 330.0	265.0 295.0	0.42	0.4516 0.4194
360.0	293.0 325.0	0.39 0.38	0.4194
390.0	355.0	0.33	0.3548
420.0	385.0	0.33	0.3548
450.0	415.0	0.30	0.3226
480.0	445.0	0.30	0.3226
510.0	475.0	0.28	0.3011
540.0	505.0	0.28	0.3011
570.0 600.0	535.0	0.26	0.2796
660.0	565.0 625.0	0.25 0.22	0.2688 0.2366
720.0	685.0	0.22	0.2366
780.0	745.0	0.22	0.2043
840.0	805.0	0.17	0.1828
900.0	865.0	0.15	0.1613
960.0	925.0	0.14	0.1505

TABLE G-9 (CONTINUED)

TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
1020.0	985.0	0.12	0.1290
1080.0	1045.0	0.12	0.1290
1140.0	1105.0	0:11	0.1183
1200.0	1165.0	0.09	0.0968
1260.0	1225.0	0.09	0.0968
1320.0	1285.0	0.09	0.0968
1380.0	1345.0	0.09	0.0968
1440.0	1405.0	0.07	0.0753
1500.0	1465.0	0.06	0.0645
1560.0	1525.0	0.06	0.0645
1620.0	1585.0	0.06	0.0645
1680.0	1645.0	0.06	0.0645
1740.0	1705.0	0.06	0.0645
1800.0	1765.0	0.06	0.0645
1860.0	1825.0	0.04	0.0430
1920.0	1885.0	0.03	0.0323
1980.0	1945.0	0.03	0.0323
2040.0	2005.0	0.03	0.0323
2100.0	2065.0	0.03	0.0323
2160.0	2125.0	0.02	0.0430
2220.0	2185.0	0.03	0.0323
2280.0	2245.0	0.03	0.0323
2340.0	2305.0	0.00	0.0000
2400.0	2365.0	0.00	0.0000
2460.0	2425.0	0.01	0.0108

TABLE G-10
SLUG WITHDRAWAL ANALYSIS DATA
FOR SITE 3 MONITORING WELL, DANGB-3-MW25

- / -	× × ×		<u> </u>
TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
0.0833	0	1.25	1.0000
0.1000	Ĭ	1.21	0.9680
0:1166	2 3 4 5 6	1.20	0.9600
0.1333	3	1.20	0.9600
0.1500	4	1.18	0.9440
0.1666	5	1.17	0.9360
0.1833	6	1.17	0.9360
0.2000	7	1.15	0.9200
0.2166	8 9	1.14	0.9120
0.2333 0.2500	10	1.14	0.9120
0.2666	10	1.14 1.12	0.9120 0.8960
0.2833	12	1.10	0.8800
0.3000	13	1.10	0.8800
0.3166	14	1.09	0.8720
0.3333	15	1.09	0.8720
0.4167	20	1.06	0.8480
0.5000	25	1.02	0.8160
0.5833	30	0.99	0.7920
0.6667	35	0.98	0.7840
0.7500	40	0.95	0.7600
0.8333	45	0.93	0.7440
0.9167	50	0.91	0.7280
1.0000	55	0.88	0.7040
1.0833	60	0.87	0.6960
1.1667 1.2500	65 70	0.85	0.6800
1.3333	70 75	0.83 0.82	0.6640 0.6560
1.4166	80	0.82	0.6400
1.5000	85	0.79	0.6320
1.5833	90	0.77	0.6160
1.6667	95	0.77	0.6160
1.7500	100	0.76	0.6080
1.8333	105	0.74	0.5920
1.9167	110	0.72	0.5760
2.0000°	115	0.71	0.5680
2.5000	145	0.63	0.5040
3.0000	175	0.57	0.4560
3.5000	205	0.53	0.4240
4.0000	235	0.50	0.4000
4.5000	265	0.47	0.3760

TABLE G-10 (CONTINUED)

	*	-	
TIME FROM START	CALCULATED TIME	,	
OF TEST	USED FOR ANALYSIS	H	H/H_0
(MIN)	(SEC)	(FT)	/0
(1.22.1)		()	
5.0000	295	0.45	0.3600
5.5000	325	0.44	0.3520
6.0000	355	0.44	0.3520
6.5000	385	0.42	0.3360
7.0000	415	0.41	0.3280
7:5000	445	0.39	0.3120
8.0000	475	0.38	0.3040
8.5000	505	0.38	0.3040
9.0000	535	0.36	0.2880
9.5000	565	0.36	0.2880
10.0000	595	0.36	0.2880
11.0000	655	0.34	0.2720
12.0000	715	0.34	
13.0000	715		0.2640
14.0000	835	0.31	0.2480
		0.30	0.2480
15.0000	895 055	0.30	0.2400
16.0000	955	0.26	0.2400
17.0000	1015	0.28	0.2080
18.0000	1075	0.26	0.2240
19.0000	1135	0.25	0.2080
20.0000	1195	0.25	0.2000
21.0000	1255	0.25	0.2000
22.0000	1315	0.25	0.2000
23.0000	1375	0.23	0.1840
24.0000	1435	0.23	0.1840
25.0000	1495	0.23	0.1840
26.0000	1555	0.23	· 0.1840
27.0000	1615	0.22	0.1760
28.0000	1675	0.22	0.1760
29.0000	1735	0.20	0.1600
30.0000	1795	0.20	0.1600
31.0000	1855	0.22	0.1760
32.0000	1915	0.20	0.1600
33.0000	1975	0.20	0.1600
34.0000	2035	0.22	0.1760
35.0000	2095	0.20	0.1600
36.0000	2155	0.20	0.1600
37.0000	2215	0.19	0.1520
38.0000	2275	0.19	0.1320
39.0000	2335	0.20	
40.0000			0.1520
41.0000	2395	0.20	0.1600
	2455	0.20	0.1600
42.0000	2515	0.19	0.1520
43.0000	2575	0.19	0.1520
44.0000	2635	0.20	0.1600
45.0000	2695	0.19	0.1520

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on the apparent transmissivity and a saturated thickness for the screened interval of 10 feet.

The slug test data for DANGB-3-MW33 were collected on September 10, 1988. The injection data and withdrawal data are presented in Tables G-11 and G-12, respectively. The values of H/H_0 and time used for computing transmissivity are given in Table G-13 for the injection test and Table G-14 for the withdrawal test. The values of H_0 and initial time used to construct Tables G-13 and G-14 are based on a visual inspection of the field data plots (Figures G-12 and G-13).

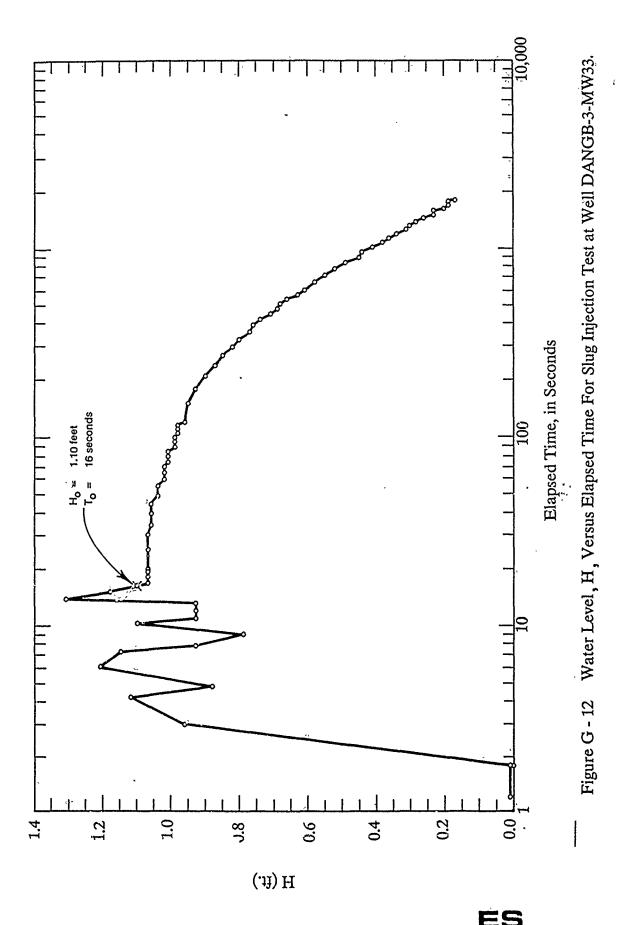
Analysis of the slug injection test results for well DANGB-3-MW33 gives an apparent transmissivity of 14.5 g/d/ft and the apparent storage coefficient is 10⁻⁵ (Figure G-14). The apparent hydraulic conductivity is 1.4 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 10 feet.

Analysis of the slug withdrawal data for well DANGB-3-MW33 yields an apparent transmissivity of 4.1 g/d/ft and an apparent storage coefficient of 10^{-2} (Figure G-15). The apparent hydraulic conductivity is 0.4 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 10 feet.

The slug test data for well DANGB-3-MW34 were collected on September 10, 1988. The injection data and withdrawal data are presented in Tables G-15 and G-16, respectively. The values of H/H_0 and time used for computing transmissivity are given in Table G-17 for the injection test and Table G-18 for the withdrawal test. The values of H_0 and initial time used to construct Tables G-17 and G-18 are based on a visual inspection of the field data plots (Figures G-16 and G-17).

Analysis of the slug injection test results for well DANGE 3-MW25 gives an apparent transmissivity of 1.2 g/d/ft and the apparent storage coefficient is 10⁻¹ (Figure G-18). The apparent hydraulic conductivity is 0.2 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 5.41 feet.

At alysis of the slug withdrawal data yields an apparent transmissivity of 64.1 g/d/ft and an apparent storage coefficient of 10^{-3} (Figure G-19). The apparent hydraulic conductivity is 47.6 g/d/ft^2 based on the apparent transmissivity and a saturated thickness for the screened interval of 7.25 feet.



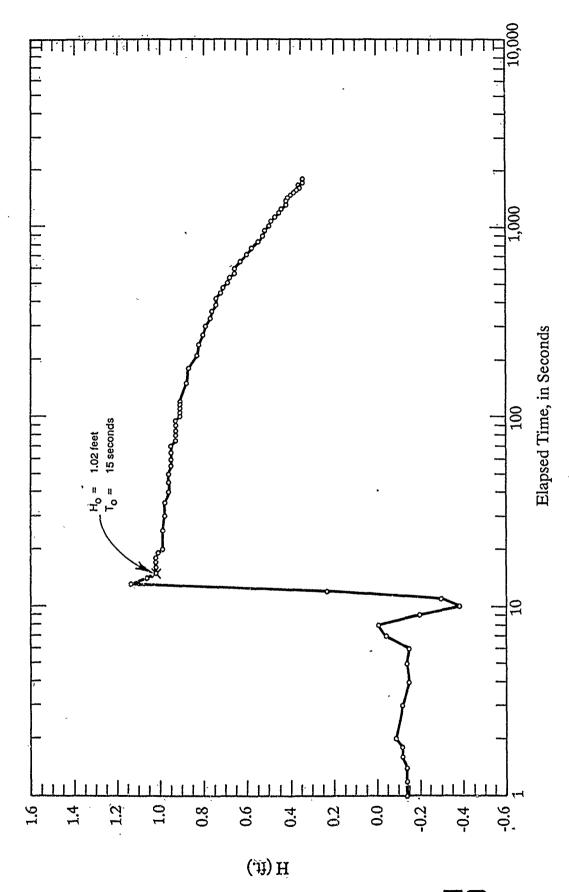
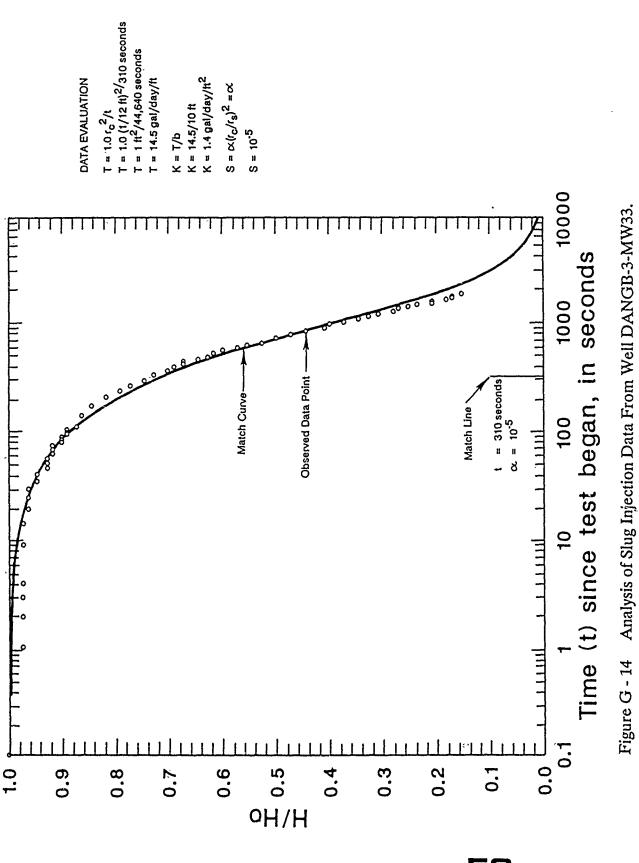
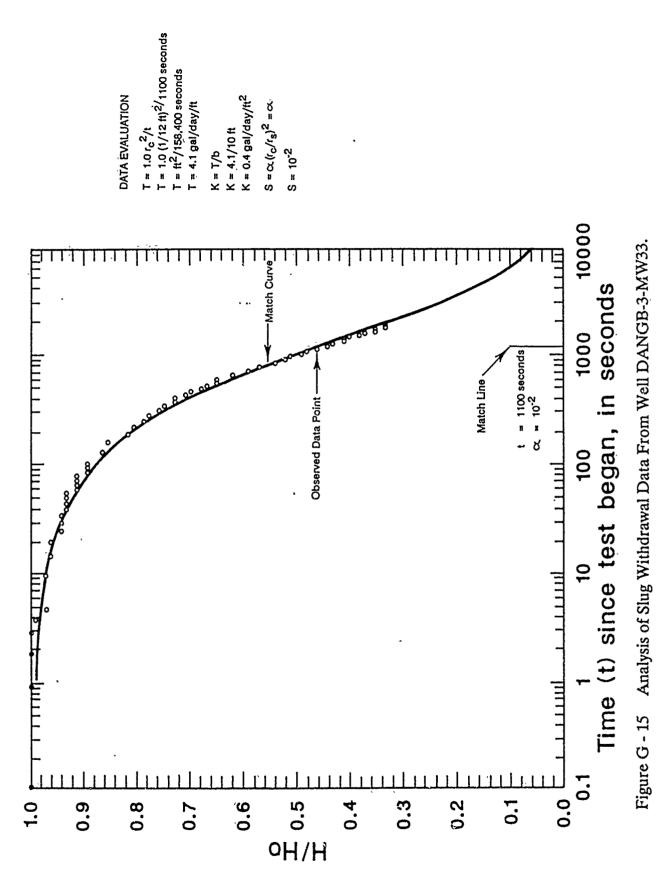


Figure G - 13 Water Level, H, Versus Elapsed Time for Slug Withdrawal Test at Well DANGB-3-MW33.



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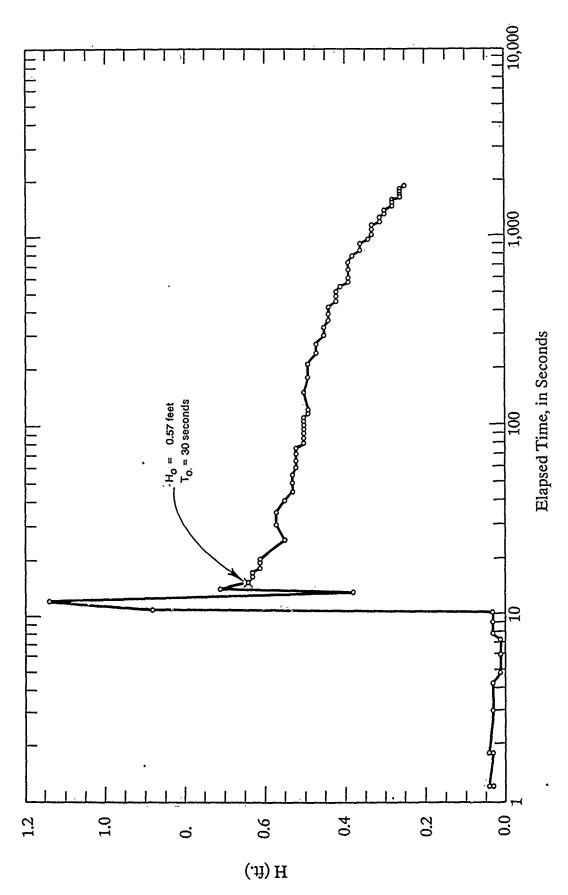
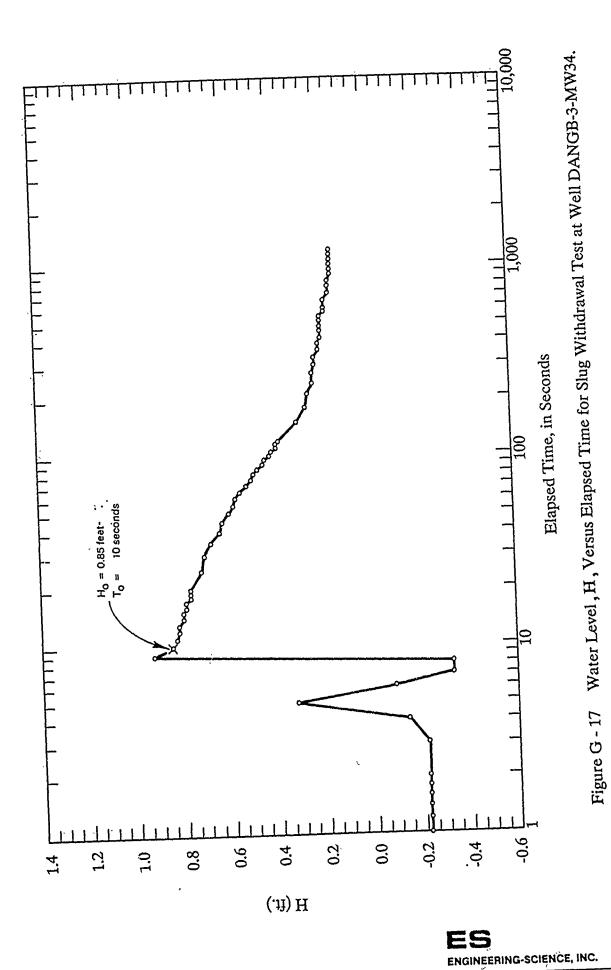
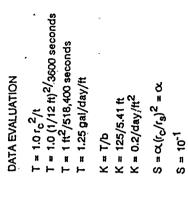


Figure G - 16 Water Level, H, Versus Elapsed Time For Slug Injection Test at Well DANGB-B-MW34.



G-56



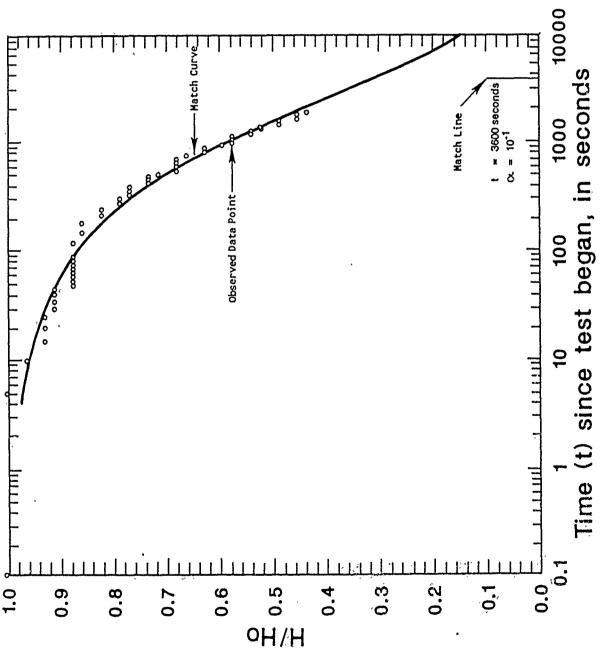
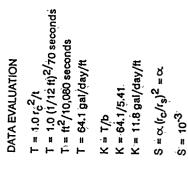


Figure G - 18 Analysis of Slug Injection Data From Well DANGB-3-MW34.

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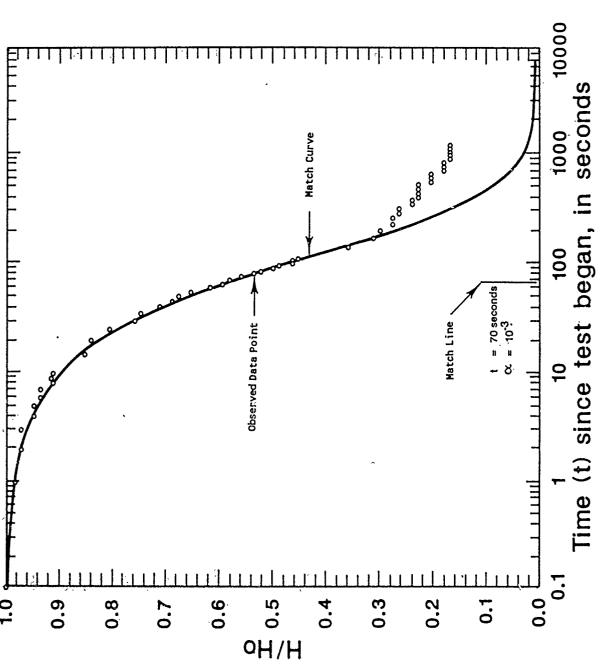


Figure G - 19 Analysis of Slug Withdrawal Data From Well DANGB-3-MW34.

TABLE G-11
SLUG INJECTION TEST DATA FOR
SITE 3 MONITORING WELL, DANGB-3-MW33

OHE S MONITORANG WELLS, DI MODES-MWSS					
TIME FROM START		TIME FROM START			
OF TEST	H	OF TEST	H		
(MIN)	(FT)	(MIN)	(FT)		
0.0	0.01	90.0	0.99		
0.0	0.01	95.0	0.99		
0.4	0.00	100.0	0.99		
0.4	0.00				
0.8		100.0	0.98		
	0.00	110.0	0.98		
1.0	0.01	110.0	0.98		
1.2	0.01	120.0	0.96		
1.4	0.01	150.0	0.95		
1.6	0.01	180.0	0.93		
1.8	0.01	210.0	0.90		
2.0	0.00	240.0	0.87		
3.0	0.96	270.0	0.85		
4.0	1.12	300.0	0.82		
5.0	0.88	330.0	0.80		
6.0	1.21	360.0	0.77		
7.0	1.15	390.0	0.76		
8.0	0.93	420.0	0.74		
9.0	0.79	450.0	0.71		
10.0	1.10	480.0	0.69		
11.0	0.93	510.0	0.68		
12.0	0.93	540.0	0.66		
13.0	0.93	570.0	0.63		
14.0	1.31	600.0	0.61		
15.0	1.18	660.0	0.58		
16.0	1.10	720.0	0.55		
17.0	1.07	780.0	0.52		
18.0	1.07	840.0	0.49		
19.0	1.07	900.0	0.45		
20.0	1.07	960.0	0.44		
25.0	1.07	1020.0	0.41		
30.0	1.07	1080.0	0.38		
35.0	1.06	1140.0	0.36		
40.0	1.06	1200.0	0.34		
45.0 50.0	1.06	1260.0	0.31		
50.0	1.04	1320.0	0.30		
55.0	1.04	1380.0	0.28		
60.0	1.02	1440.0	0.26		
65.0	1.02	1500.0	0.23		
70.0	1:02	1560.0	0.23		
75.0	1.01	1620.0	0.20		
80.0	1.01	1680.0	0.19		
85.0	1.01	1740.0	0.19		
	Į. l	1800.0	0.17		
· · · · · · · · · · · · · · · · · · ·			·		

TABLE G-12

SLUG WITHDRAWAL TEST DATA FROM SITE 3 MONITORING WELL, DANGB-3-MW33

TIME FROM ST.			TIME FROM ST	
OF TEST	H.	11	OF TEST	H
(MIN)	(FT)		(MIN)	(FT)
0,0000	-0.15	11	1.5833	0.93
0.0033	-0.13 -0.14		1.6677	0.93
0.0055	-0.14	- 11	1.7500	0.91
0.0099	-0.14		1.8333	0.91
0.0133	-0.14		1.9167	0.91
0.0166	-0.14		2.0000	0.91
0.0200	-0.14	11	2.5000	0.88
0.0233	-0.14		3.0000	0.87
0.0266	-0.12		3.5000	0.83
0.0300	-0.12		4.0000	0.82
0.0333	-0.09		4.5000	0.80
0.0666	-0.12		5.0000	0.79
0.0833	- 0;15		5.5000	0.77
0.1000	-0.14	11	6.0000	0.76
0.1166	-0.15		6.5000	0.74
0.1333	-0.04		7.0000	0.74
0.1500	-0.01		7.5000	0.72
0.1666	-0.20		8.0000	0.71
0.1833	-0.39		8.5000	0.69
0.2000	-0.30		9.0000	0.68
0.2166	0.23		9.5000	0.66
0.2333	1.14		10.0000	0.66
0.2500 0.2666	1.06 1.02		11.0000	0.63
0.2833	1.02		12.0000 13.0000	0.60 0.58
0.2033	1.02		14.0000	0.55
0.3166	1.02		15.0000	0.53
0.3333	1.01		16.0000	0.52
0.4167	0.99-	11	17.0000	0.50
0.5000	0.99		18.0000	0.49
0.5833	0.98	11	19.0000	0.47
0.6567	0.98		20.0000	0.45
0.7500	0.98		21.0000	0.44
0.8333	0.96		22.0000	0.42
0.9167	0.96	- []	23.0000	0.42
1.000Ò	0.96	11	24.0000	0.41
1.0833	0.95		25.0000	0.39
1.1667	0.95		26.0000	0.38
1.2500	0.95		27.0000	0.36
1.3333	0.95		28.0000	0.36
1.4166	0.93		29.0000	0.34
1.5000	0.93	17	30.0000	0.34

TABLE G-13
SLUG INJECTION ANALYSIS DATA
FOR SITE 3 MONITORING WELL, DANGB-3-MW33

, , ,	and the second s		
TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
16.0	0.0	1.10	1.0000
17.0	1.0	1.07	0.9727
18.0	2.0	1.07	0.9727
19.0	3.0	1.07	0.9727
20.0	4.0	1.07	0.9727
25.0	9.0	1.07	0.9727
30.0	14.0	1:07	0.9727
35.0 40:0	19.0 24.0	1.06 1.06	0.9636 0.9636
45.0 45.0	29.0	1.06	0.9636
50.0	34.0 ⁻	1.04	0.9455
55.0	39.0	1.04	0.9455
60.0	44.0	1.02	0.9273
65.0	49.0	1.02	0.9273
70.0	54.0	1.02	0.9273
75.0	59.0	1.01	0.9182
80.0	64.0°	1.01	0.9182
85.0	69.0	1:01	0.9182
90.0	74.0	0.99	0.9000
95.0	79.0	0.99	0.9000
100.0	84.0	0,99	0.9000
105.0	89.0	0.98	0.8097
110.0	94.0	0.98	0.8882
115.0 120.0	99.0	0.98	0.8882
150.0	104.0 134.0	0.96 0.95	0.8774 0.8237
180.0	164.0	0.93	0.8699
210.0	194.0	0.90	0.8376
240.0	224.0	0.87	0.7900
270.0	254.0	0.85	0.7727
300.0	284.0	0.82	0.745\$
330.0	314.0	0.80	0.7273
360.0	344.0	0.77	0.7000
390.0	374.0	0.76	0.6909
420:0	404.0	0.74	0.6727
450:0	434.0	0.71	0.6455
480:0	464.0	0.69	0.6273
510.0°	494:0	0.68	0.6182
540.0	524:0	0.66	0.6000

TABLE G-13 (CONTINUED)

	·		
TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
570.0 600.0 660.0 720.0 780.0 840.0 900.0 960.0 1020.0 1080.0 1140.0 1200.0 1320.0 1380.0 1440.0 1500.0 1620.0 1680.0 1740.0 1800.0	554.0 584.0 644.0 704.0 764.0 824.0 884.0 944.0 1004.0 1124.0 1184.0 1304.0 1364.0 1424.0 1484.0 1604.0 1604.0 1724.0	0.53 0.51 0.58 0.55 0.42 0.49 0.45 0.44 0.41 0.38 0.36 0.34 0.31 0.30 0.28 0.26 0.23 0.20 0.19 0.19	0.5727 0.5545 0.5273 0.5000 0.4727 0.4455 0.4091 0.4000 0.3727 0.3455 0.3273 0.3091 0.2818 0.2727 0.2545 0.2364 0.2091 0.2091 0.1818 0.1727 0.1727 0.1545

TABLE G-14

SLUG WITHDRAWAL ANALYSIS DATA

FOR SITE 3 MONITORING WELL, DANGB-3-MW33

TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
0.2500	0	1.02	1.0000
Ó.2666		1.02	1.0000
0.2833	1 2 3 4 5.	1.02	1.0000
0.3000	3	1.02	1.0000
0.3166	4	1.01	0.9902
0.3333	5.	0.99	0.9706
0.4167	10°	0.99	0.9706
0.5000	15	0.98	0.9608
0.5833	$\widetilde{20}$	0.98	0.9608
0.6667	25	0.96	0.9412
0.7500	30	0.96	0.9412
0.8333	35	0.96	0.9412
0.9167	40	0.95	0.9314
1.0000	45	0.95	0.9314
1.0833	50	0.95	0.9314
1.1667	55	0.95	0.9314
1.2500	60	0.93	0.9118
1.3333	65	0.93	0.9118
1.4166	70	0.93	0.9118
1.5000	75	0.93	0.9118
1.5833	80	0.93	0.9118
1.6667	85	0.91	0.8922
1,7500	90	0.91	0.8922
1.8333	95	0.91	0.8922
1.9167	100	0.91	0.8922
2.0000	105	0.91	0.8922
2.5000	135	0.88	0.8922
3.0000	165	0.87	0.8529
3.5000	195	0.83	0.8139
4.0000	225	0.82	0.8039
4.5000	255		
	_	0.80	0.7843
5.0000 5.5000	.285 315	0.79	0.7745
6.0000	315 345	0.77	0.7549
6.5000		0.76	0.7451
7.0000	375 405	0.74	0.7255
7.5000 7.5000	405 425	0.74	0.7255
	435	0.72	0.6059
8.0000	465	0.71	0.6961
8:5000	495	0.69	0.6765
9.0000	525	0.68	0.6667
9.5000	555	0.66	0.6471

TABLE G-14 (CONTINUED)

10.0000 11.0000 12.0000 13.0000 14.0000 15.0000 16.0000	585 645	0.66	
11.0000 12.0000 13.0000 14.0000 15.0000 16.0000 17.0000	645	0.66	
12.0000 13.0000 14.0000 15.0000 16.0000 17.0000	645		0.6471
13.0000 14.0000 15.0000 16.0000 17.0000		0.63	0.6176
14.0000 15.0000 16.0000 17.0000	705	0.60	0.5882
15.0000 16.0000 17.0000	765	0.58	0.5686
16.0000 17.0000	825	0.09	0.5392
17.0000	885	0.09	0.5196
	945	0.09	0.5098
	1005	0.07	0.4902
18.0000	1065	0.09	0.4804
19.0000	1125	0.09	0.4608
20.0000	1185	0.09	0.4412
21.0000	1245	0.09	0.4314
22.0000	1305	0.09	0.4118
23.0000	1365	0.09	0.4118
24.0000	1425	0.09	0.4020
25.0000	1485	0.09	0.3824
26.0000	1545	0.09	0.3725
27.0000	1605	0.07	0.3529
28.0000	1663	0.07	0.3529
29:0000 30.0000	1723 1783	0.09 0.07	0.3333 0.3333

TABLE G-15

SLUG INJECTION TEST DATA FROM

SITE 3 MONITORING WELL, DANGB-3-MW34

TIME FROM STAL		TIME FROM START	
OF TEST	Н	OF TEST	Н
(MIN)	(FT)	(MIN)	(FT)
-(IVIII V)	(1.1)	[] ([VIII4)	(11)
0.0	0.01	95.0	0.50
0.0	0.01	100.0	0.50
0.4	0.03	105.0	0.50
0.6	0.03	110.0	0.50
0.8	0.03	115.0	0.49
1.0	0.03	120.0	0.49
1.2	0.03	150.0	0.50
1.4	0.04	180.0	0.49
	0.04		0.49
1.6	0.03	210.0	0.49
1.8	0.04	240.0	0.47
2.0	0.04	270.0	0.47
3.0	0.03	300.0	0.45
4.0	0.03	330.0	0.45
5.0	0.01	360.0	0.44
6.0	0.01	390.0	0.44
7.0	0.01	420.0	0.44
8.0	0.03	450.0	0.42
9.0	0.03	480.0	0.42
10.0	0.03	510.0	0.42
11.0	0.88	540.0	0.41
12.0	0.14	570.0	0.39
13.0	0.38	600.0	0.39
14.0	0.71	660.0	0.39
15.0			
	0.64	720.0	0.39
16.0	0.63	780.0	0.38
17.0	0.63	840.0	0.36
18.0	0.61	900.0	0.36
19.0	0.61	960.0	0.34
20.0	0.61	1020.0	0.33
25.0	0.55	1080.0	0.33
30.0	0.57	1140.0	0.33
35.0	0.57	1200.0	0.31
40.0	0.55	1260.0	0.31
45.0	0.53	1320.0	0.30
50.0	0.53	1380.0	0.30
55.0	0.53	1440.0	0.28
60.0	0.52	1500.0	0.28
65.0	0.52	1560.0	0.28
70.0	0.52		
75.0		1620.0	0.26
	0.52	1680.0	0.26
80.0	0.50	1740.0	0.26
85.0	0.50	1800.0	0.26
90.0	0.50	1860.0	0.25
		1	

TABLE G-16
SLUG WITHDRAWAL TEST DATA FROM SITE 3
MONITORING WELL DANGB-3-MW34

TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
0.0000 0.0033 0.0066 0.0099 0.0133 0.0166 0.0200 0.0233 0.0266 0.0300 0.0333 0.0500 0.0666 0.0833 0.1000 0.1166 0.1333 0.1500 0.1666 0.1833 0.2000 0.2166 0.2333 0.2500 0.2666 0.2833 0.3000 0.3166 0.3333 0.4167 0.5000 0.5833 0.4167 0.5000 0.5833 0.9167 1.0000 1.0833	0.26 0.23 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.22 0.33 0.33 0.33 0.93 0.85 0.83 0.85 0.80 0.79 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.77 0.72 0.68 0.64 0.63 0.63 0.64 0.63 0.64 0.63 0.55 0.55 0.55	1.1667 1.2500 1.3333 1.4166 1.5000 1.5833 1.6667 1.7500 1.8333 1.9167 2.0000 2.5000 3.0000 3.5000 4.0000 4.5000 5.0000 5.5000 6.0000 6.5000 7.0000 7.5000 8.0000 9.5000 10.0000 11.0000 11.0000 12.0000 13.0000 14.0000 15.0000 16.0000 17.0000 18.0000 19.0000 20.0000	0.52 0.50 0.49 0.47 0.45 0.44 0.42 0.41 0.39 0.38 0.30 0.26 0.25 0.23 0.22 0.22 0.20 0.19 0.19 0.19 0.19 0.19 0.19 0.17 0.17 0.17 0.17 0.17 0.17 0.15 0.15 0.14 0.14 0.14 0.14 0.14 0.14

TABLE G-17

SLUĞ İNJECTION ANALYSIS DATA

FOR SITE 3 MONITORING WELL, DANGB-3-MW34

TIME FROM START OF TEST (SEC) USED FOR ANALYSIS (FT) H/H ₀ 30.0 0.0 0.57 1.0000 35.0 5.0 0.57 1.0000 40.0 10.0 0.53 0.9298 55.0 25.0 0.53 0.9298 55.0 25.0 0.53 0.9298 66.0 30.0 0.52 0.9123 70.0 40.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 0.52 0.9123 75.0 0.52 0.9123 75.0 0.52 0.9123 75.0 0.52 0.9123 15.0 0.52 0.9123 15.0 0.52 0.9123 15.0 0.52 0.9123 15.0 0.52 0.9123 15.0 0.52 0.9123 15.0 0.50 0.50 0.8772 85.0 0.50 0.50 0.8772 99.0 66.0 0.50 0.8772 99.0 66.0 0.50 0.8772 100.0 70.0 0.50 0.8772 115.0 85.0 0.50 0.50 0.8772 115.0 85.0 0.50 0.50 0.8772 115.0 1.000 0.50 0.8772 115.0 0.50 0.8772 115.0 0.50 0.8772 115.0 0.50 0.8772 115.0 0.50 0.8772 115.0 0.50 0.8772 115.0 0.50 0.8772 110.0			· · · · · · · · · · · · · · · · · · ·	
35.0 5.0 0.57 1.0000 40.0 10.0 0.55 0.9649 45.0 15.0 0.53 0.9298 50.0 20.0 0.53 0.9298 55.0 25.0 0.53 0.9298 60.0 30.0 0.52 0.9123 65.0 35.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 95.0 65.0 0.50 0.8772 95.0 65.0 0.50 0.8772 95.0 65.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49	OF TEST	USED FOR ANALYSIS		H/H _o
35.0 5.0 0.57 1.0000 40.0 10.0 0.55 0.9649 45.0 15.0 0.53 0.9298 50.0 20.0 0.53 0.9298 55.0 25.0 0.53 0.9298 60.0 30.0 0.52 0.9123 65.0 35.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 95.0 65.0 0.50 0.8772 95.0 65.0 0.50 0.8772 95.0 65.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49	20.0	^^	0.57	1,0000
40.0 10.0 0.55 0.9649 45.0 15.0 0.53 0.9298 50.0 20.0 0.53 0.9298 55.0 25.0 0.53 0.9298 60.0 30.0 0.52 0.9123 65.0 35.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 120.0 90.0 0.49 0.8596 210.0 180.0 0.49				
45.0 15.0 0.53 0.9298 50.0 20.0 0.53 0.9298 60.0 30.0 0.52 0.9123 65.0 35.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 210.0 180.0 0.49 0.8596				
50.0 20.0 0.53 0.9298 55.0 25.0 0.53 0.9298 60.0 30.0 0.52 0.9123 65.0 35.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 120.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 240.0 240.0 0.47 </td <td></td> <td></td> <td></td> <td></td>				
55.0 25.0 0.53 0.9298 60.0 30.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 120.0 0.50 0.8772 180.0 120.0 0.49 0.8596 240.0 120.0 0.49 0.8596 240.0 240.0 0.				
60.0 30.0 0.52 0.9123 65.0 35.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 66.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 270.0 240.0 0.47 0.8246 270.0 0.45				
65.0 35.0 0.52 0.9123 70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 270.0 240.0 0.47 0.8246 270.0 240.0 <td< td=""><td></td><td></td><td></td><td></td></td<>				
70.0 40.0 0.52 0.9123 75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 150.0 0.49 0.8596 240.0 240.0 0.47 0.8246 270.0 240.0 0.47 0.8246 300.0 30.0 0.45 0.7895 330.0 30.0 <t< td=""><td></td><td></td><td></td><td></td></t<>				
75.0 45.0 0.52 0.9123 80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 300.0 270.0 0.47 0.8246 300.0 270.0 0.45 0.7895 330.0 300.0 0.45 0.7895 360.0 330.0 0.44 0.7719 450.0 420.0			0.52	
80.0 50.0 0.50 0.8772 85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 270.0 240.0 0.47 0.8246 270.0 240.0 0.47 0.8246 300.0 300.0 0.45 0.7895 330.0 300.0 0.45 0.7895 330.0 300.0 0.44 0.7719 420.0 49.0 0.44 0.7719 450.0 420.0 0.42 0.7368 <td></td> <td></td> <td>0.52</td> <td></td>			0.52	
85.0 55.0 0.50 0.8772 90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 270.0 240.0 0.47 0.8246 330.0 300.0 0.47 0.8246 330.0 300.0 0.45 0.7895 330.0 300.0 0.45 0.7895 340.0 330.0 0.44 0.7719 420.0 0.44 0.7719 420.0 0.44 0.7719 450.0 <td></td> <td></td> <td>0.52</td> <td></td>			0.52	
90.0 60.0 0.50 0.8772 95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 270.0 240.0 0.47 0.8246 300.0 270.0 0.45 0.7895 330.0 300.0 0.45 0.7895 360.0 330.0 0.44 0.7719 420.0 390.0 0.44 0.7719 450.0 420.0 0.44 0.7719 450.0 420.0 0.42 0.7368 510.0 480.0 0.42 0.7368 540.0 510.0 0.41 0.719		50.0 55.0	0.50	
95.0 65.0 0.50 0.8772 100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 270.0 240.0 0.47 0.8246 300.0 270.0 0.45 0.7895 330.0 300.0 0.45 0.7895 360.0 330.0 0.44 0.7719 420.0 390.0 0.44 0.7719 450.0 420.0 0.44 0.7719 450.0 420.0 0.42 0.7368 510.0 480.0 0.42 0.7368 540.0 510.0 <td></td> <td>55.0 60.0</td> <td>0.50</td> <td>0.8772</td>		55.0 60.0	0.50	0.8772
100.0 70.0 0.50 0.8772 105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 270.0 240.0 0.47 0.8246 300.0 270.0 0.45 0.7895 330.0 300.0 0.45 0.7895 360.0 330.0 0.44 0.7719 420.0 390.0 0.44 0.7719 420.0 390.0 0.44 0.7719 450.0 420.0 0.42 0.7368 510.0 480.0 0.42 0.7368 540.0 510.0 0.41 0.7193 570.0 540.0 </td <td></td> <td>65.0</td> <td>0.50</td> <td>0.8772</td>		65.0	0.50	0.8772
105.0 75.0 0.50 0.8772 110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 210.0 0.47 0.8246 270.0 240.0 0.47 0.8246 300.0 270.0 0.45 0.7895 330.0 300.0 0.45 0.7895 360.0 330.0 0.44 0.7719 420.0 390.0 0.44 0.7719 450.0 390.0 0.44 0.7719 450.0 420.0 0.42 0.7368 510.0 480.0 0.42 0.7368 540.0 510.0 0.41 0.7193 570.0 540.0 0.39 0.6842 600.0 690.0 0.39 0.6842 720.0 690.0 0.39		70.0	0.50	0.8772
110.0 80.0 0.50 0.8772 115.0 85.0 0.49 0.8596 120.0 90.0 0.49 0.8596 150.0 120.0 0.50 0.8772 180.0 150.0 0.49 0.8596 210.0 180.0 0.49 0.8596 240.0 240.0 0.47 0.8246 270.0 240.0 0.47 0.8246 300.0 270.0 0.45 0.7895 330.0 300.0 0.45 0.7895 360.0 330.0 0.44 0.7719 420.0 390.0 0.44 0.7719 420.0 390.0 0.44 0.7719 450.0 420.0 0.42 0.7368 480.0 450.0 0.42 0.7368 510.0 480.0 0.42 0.7368 540.0 510.0 0.41 0.7193 570.0 540.0 0.39 0.6842 600.0 690.0 0.39 0.6842 720.0 690.0 0.39 <td< td=""><td></td><td>75.0</td><td>0.50</td><td>0.8772</td></td<>		75.0	0.50	0.8772
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720.0 690.0 0.39 0.6842 780.0 750.0 0.38 0.6667 840.0 810.0 0.36 0.6316			0.39	
780.0 750.0 0.38 0.6667 840.0 810.0 0.36 0.6316			0.39	
840.0 810.0 0.36 0.6316				

TABLE G-17 (CONTINUED)

TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
960.0 1020.0 1080.0 1140.0 1200.0 1260.0 1320.0 1380.0 1440.0 1500.0 1620.0 1680.0 1740.0 1800.0 1860.0	930.0 990.0 1050.0 1110.0 1170.0 1230.0 1290.0 1350.0 1410.0 1470.0 1530.0 1590.0 1650.0 1710.0 1770.0 1830.0	0.34 -0.33 0.33 0.33 0.31 0.31 0.30 0.28 0.28 0.28 0.26 0.26 0.26 0.26 0.26	0.5965 0.5789 0.5789 0.5789 0.5439 0.5263 0.5263 0.4912 0.4912 0.4561 0.4561 0.4561 0.4561 0.4561

TABLE G-18
SLUG WITHDRAWAL ANALYSIS DATA
FOR SITE 3 MONITORING WELL, DANGD-3-MW34

	·		
TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	(FT)	H/H ₀
0.1666	0	0.85	0.9764
0.1833		0.83	0.9647
0.2000	$\hat{2}$	0.82	0.9647
0.2166	1 2 3 4 5 6 7	0.82	0:9647
0.2333	4	0.80	0.9411
0.2500	5	0.80	0.9411
0.2666	6	0.79	0.9294
0.2833	ž	0.79	0.9294
0.2000	Ŕ	0.77	0.9058
0.2166	8 9	0.77	0.9058
0.3333	10	0.77	0.9058
0.4167	15	0.77	0.8470
0.5000	20	0.72	0.8352
0.5833	25	0.68	0.8000
0.6667	30	0.64	0.7529
0.7500	35	0.63	0.7411
0.8333	40	0.60	0.7058
0.9167	45	0.58	0.7633
1.0000	50	0.57	0.6705
1.0833	55 55	0.55	0.6470
1.1667	60	0.52	0.6117
1.2500	65	0.50	0.5882
	70	0.49	0.5764
1.3333	70 75	0.49	0.5529
1.4166	73 80	0.47	0.5294
1.5000	85	0.43	0.5176
1.5833	90	0.42	0.4941
1.6667	90 95	0.42	0.4823
1.7500		0.41	0.4588
1.8333	100		0.4588
1.9167	105	0.39	
2:0000	110	0.38	0.4470
2.5000	140	0.30	0.3529
3.0000	170	0.26	0.3058
3.5000 4.0000	200	0.25	0.2941
,,,,,,,	230	0.23	0.2705
4.5000	260	0.23	0.2705
5.0000	290	0.22	0.2588
5.5000	320	0.22	0.2588
6.0000	350	0.20	0.2352
6.5000	380	0.20	0.2352

TABLE G-18 (CONTINUED)

TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
7.0000 7.5000 8.0000 8.5000 9.0000 9.5000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000 16.0000 17.0000 18.0000 19.0000 20.0000	410 440 470 500 530 560 590 650 710 770 830 890 950 1010 1070 1130 1190	0.19 0.19 0.19 0.19 0.17 0.17 0.17 0.15 0.15 0.15 0.14 0.14 0.14 0.14 0.14	0.2235 0.2235 0.2235 0.2235 0.2235 0.2000 0.2000 0.2000 0.1764 0.1764 0.1764 0.1647 0.1647 0.1647 0.1647 0.1647

G.3.3 Slug Testing at Site 4

At Site 4, well DANGB-4-MW22 was slug tested. The well is located north of the Tank Farm area and hydraulically upgradient from the potential source area. The well was completed near the bedrock-glacial till contact. Near the base of the screened interval, a one foot thick poorly sorted sand layer with some silt and clay is present with the remainder of the screened section being composed of a poorly sorted silt with some clay and abundant pebbles.

The slug test data for DANGB-4-MW22 were collected on September 8, 1988. The injection data and withdrawal data are presented in Tables G-19 and G-20, respectively. The values of H/H_0 and time used for computing transmissivity are given in Table G-21 for the injection test and Table G-22 for the withdrawal test. The values of H_0 and initial time used to construct Tables G-21 and G-22 are based on a visual inspection of the field data plots (Figures G-20 and G-21).

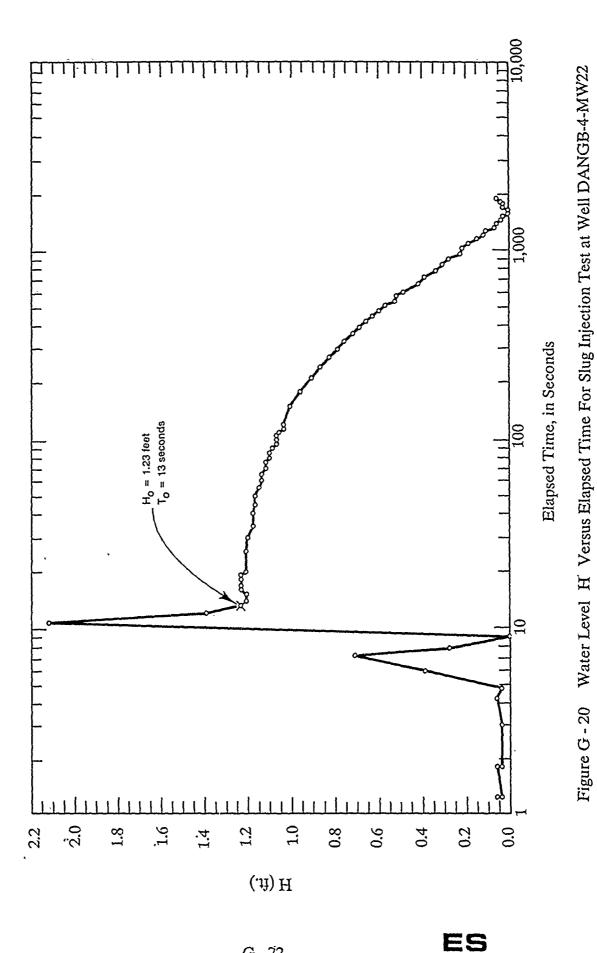
Analysis of the slug injection test results gives an apparent transmissivity of 22.4 g/d/ft and the apparent storage coefficient is 10⁻⁵ (Figure G-22). The apparent hydraulic conductivity is 2.2 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 10 feet.

Analysis of the slug withdrawal data yields an apparent transmissivity of 10.9 g/d/ft and an apparent storage coefficient of 10⁻⁵ (Figure G-23). The apparent hydraulic conductivity is 47.6 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 10 feet.

G.3.4 Slug Testing at Site 8

At Site 8, Wells GW 8-A and DANGB-8-MW16 were slug tested. Well DANGB-8-MW16 was completed at the bedrock-glacial till contact. The screened interval includes a 1 foot gravel and sand zone at the base along with 3 feet of a boulder and about 5 feet of poorly sorted fine-grained sand, silt, and clay. GW 8-A was completed and screened in an interval consisting of dark brown peat and organics mixed with silt, clay, and sand (Dames & Moore, 1987).

The slug test data for DANGB-8-MW16 were collected on September 9, 1988. The injection data and withdrawal data are presented in Tables G-23 and G-24, respectively. The values of H/H_0 and time used for computing Figure G-20



G - 72

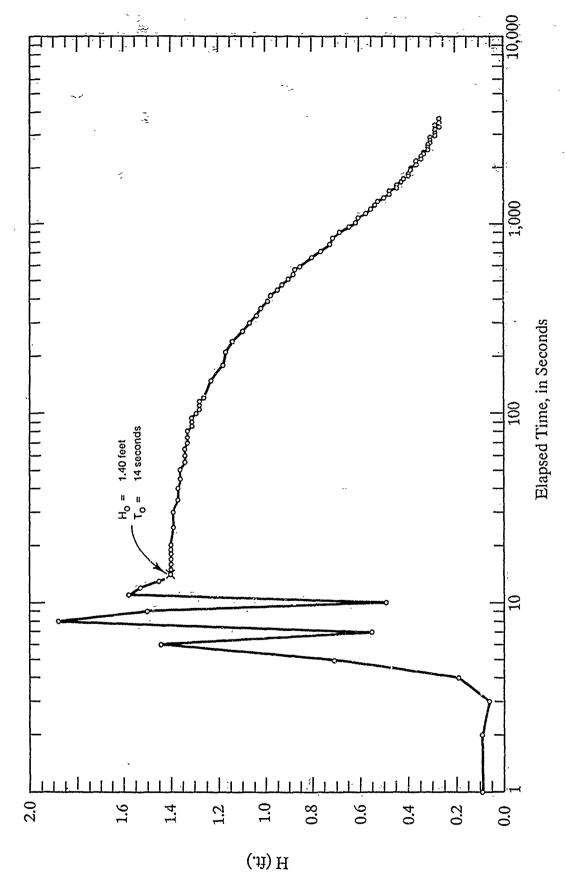
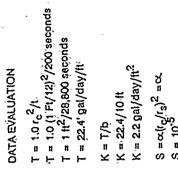


Figure G - 21 Water Level, H, Versus Elapsed Time for Slug Withdrawal Test at Well DANGB-4-MW22.



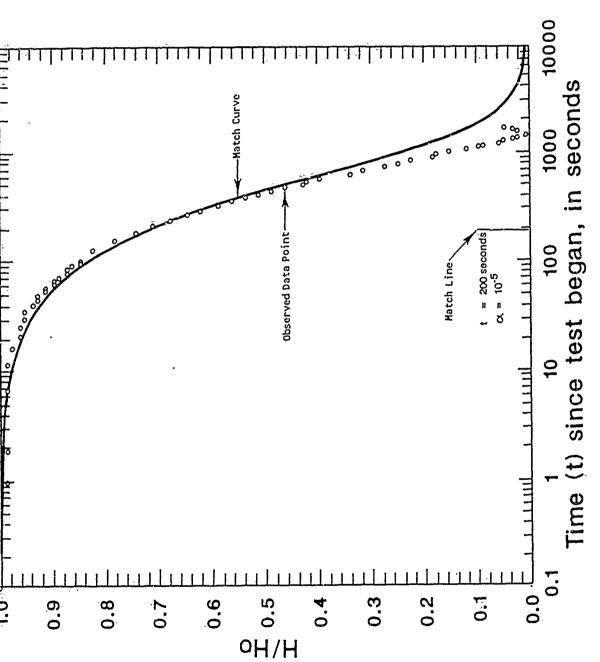
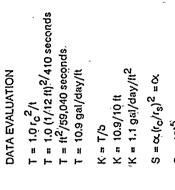


Figure G - 22 Analysis of Slug Injection Data From Well DANGB-4-MW22.



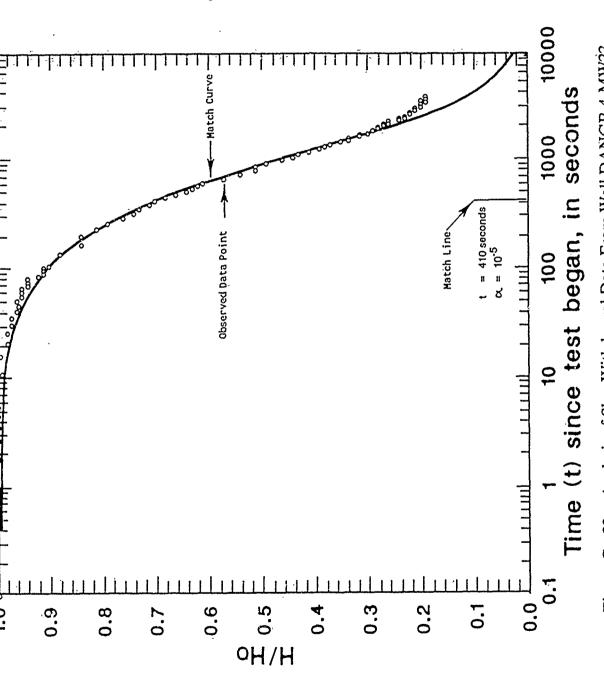


Figure G - 23 Analysis of Slug Withdrawal Data From Well DANGB-4-MW22.

TABLE G-19
SLUG INJECTION TEST DATA FROM
SITE 4 MONITORING WELL, DANGB-4-MW22

TIME FROM STAR	<u> </u>	TIME FROM START	
OF TEST	H	OF TEST	Н
(MIN)	(FT)	(MIN)	(FT)
(171111)	(1 1)	(IVIII)	(1 1)
0.0	0.01	95.0	1.07
0.0	0.04	100.0	1.07
0.4	0.04	105.0	1.07
0.6	0.06	110.0	1.06
0.8	0.04	115.0	1.04
1.0	0.04	120.0	1.04
1.2	0.06	150.0	1.01
1.4	0.04	180.0	0.96
1.6	0.06	210.0	0.91
1.8	0.04	240.0	0.87
2.0	0.04	270.0	0.83
3.0	0.04	300.0	0.79
4.0	0.06	330.0	0.76
5.0	0.04	360.0	0.72
6.0	0.39	390.0	0.69
7.0	0.71	420.0	0.66
8.0	0.28	450.0	0.63
9.0	0.00	480.0	0.60
10.0	1.45	510.0	0.57
11.0	2.12	540.0	0.53
12.0	1.39	570.0	0.52
13.0	1.23	600.0	0.49
14.0	1.21	660.0	0.42
15.0	1.21	720.0	0.39
16.0	1.23	780.0	0.34
17.0	1.23	840.0	0.31
18.0	1.23	900.0	0.28
19.0	1.23	960.0	0.23
20.0 25.0	1.21	1020.0	0.22
	1.21	1080.0	0.19
30.0	1.20	1140.0	0.15 0.12
35.0 40.0	1.18	1200.0 1260.0	0.12
45.0	1.18		0.11
50.0	1.17	1320.0 1380.0	0.07
55.0	1.17 1.15	1380.0	0.00
60.0		1500.0	0.04
65.0	1.14		0.03
70.0	1.14 1.12	1560.0 1620.0	0.01
70.0 75.0	1.12	1680.0	0.01
75.0 80.0		1740.0	0.03
85.0	1.10 1.10	1740.0	0.03
90.0	1.10	1860.0	0.04
70.0	1.03	11 1000.0	0.00
			

TABLE G-20
SLUG WITHDRAWAL TEST DATA FROM
MONITORING WELL DANGB-4-MW22

	λ			
TIME FROM STA OF TEST (MIN)	ART H (FT)		TIME FROM S OF TEST (MIN)	TART H (FT)
0.0000 0.0033 0.0066 0.0099 0.0133 0.0166 0.0200 0.0233 0.0266 0.0300 0.0333 0.0500 0.0666 0.0833 0.1000 0.1166 0.1500 0.1666 0.1833 0.2000 0.2166 0.2333 0.2500 0.2666 0.2833 0.3000 0.3166 0.3333 0.4167 0.5000 0.5833 0.4167 0.5000 0.5833 0.4167	0.06 0.07 0.09 0.09 0.09 0.09 0.11 0.09 0.12 0.09 0.12 0.09 0.71 1.44 0.55 1.88 1.50 0.49 1.58 1.53 1.45 1.40 1.40 1.40 1.40 1.40 1.40 1.39 1.37 1.36 1.36 1.36 1.34		7.0000 7.5000 8.0000 8.5000 9.0000 9.5000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000 16.0000 17.0000 20.0000 21.0000 22.0000 23.0000 24.0000 25.0000 26.0000 27.0000 28.0000 29.0000 30.0000 31.0000 31.0000 31.0000 35.0000 36.0000 37.0000 38.0000	0.98 0.95 0.93 0.90 0.88 0.87 0.85 0.80 0.76 0.72 0.71 0.68 0.64 0.61 0.60 0.57 0.55 0.53 0.52 0.49 0.47 0.47 0.44 0.42 0.41 0.39 0.39 0.38 0.36 0.36 0.36 0.36 0.36
1.0000 1.0833 1.1667 1.2500	1.34 1.34 1.33 1.33		39.0000 40.0000 41.0000 42.0000	0.33 0.33 0.31 0.31
1.3333	1.33	- 11	43.0000	0.31

TABLE G-20 (CONTINUED)

TIME FROM ST	ART	TIME FROM S	TART
OF TEST	H	OF TEST	H
(MIN)	(FT)	(MIN)	(FT)
1.4166 1.5000 1.5833 1.6677 1.7500 1.8333 1.9167 2.0000 2.5000 3.0000 3.5000 4.0000 4.5000 5.0000 6.0000 6.5000	1.31 1.31 1.29 1.28 1.28 1.26 1.23 1.18 1.17 1.14 1.10 1.07 1.04 1.02 0.99	44.0000 45.0000 46.0000 47.0000 48.0000 49.0000 50.0000 51.0000 52.0000 53.0000 54.0000 56.0000 57.0000 58.0000 59.0000 60.0000	0.31 0.30 0.30 0.30 0.30 0.28 0.28 0.28 0.28 0.26 0.26 0.26 0.26 0.26 0.26

TABLE G-21
SLUG INJECTION ANALYSIS DATA
FOR SITE 4 MONITORING WELL, DANGB-4-MW22

TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 25.0 30.0 35.0 40.0 45.0 50.0 55.0 60.0 65.0 70.0 75.0 80.0 85.0 90.0 95.0 100.0 115.0 115.0 120.0 150.0 180.0 240.0 240.0	0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 12.0 17.0 22.0 27.0 32.0 37.0 42.0 47.0 52.0 57.0 62.0 67.0 72.0 77.0 82.0 87.0 92.0 97.0 102.0 107.0 137.0 167.0 197.0 227.0	1.23 1.21 1.23 1.23 1.23 1.23 1.21 1.20 1.18 1.17 1.17 1.15 1.14 1.14 1.12 1.10 1.10 1.09 1.07 1.07 1.07 1.07 1.06 1.04 1.04 1.01 0.96 0.91 0.87	1.0000 0.9837 0.9837 1.0000 1.0000 1.0000 0.9837 0.9837 0.9756 0.9593 0.9593 0.9512 0.9512 0.9350 0.9268 0.9268 0.9268 0.9106 0.8943 0.8843 0.8868 0.8699 0.8699 0.8699 0.8699 0.8699 0.8618 0.8455 0.8455 0.8211 0.7805 0.7398 0.7073
270.0 300.0 330.0 360.0 390.0 420.0 450.0 480.0	257.0 287.0 317.0 347.0 377.0 407.0 437.0 467.0	0.83 0.79 0.76 0.72 0.69 0.66 0.63 0.60	0.6748 0.6423 0.6179 0.5854 0.5610 0.5366 0.5122 0.4878

TABLE G-21 (CONTINUED)

TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
510.0 540.0 570.0 600.0 660.0 720.0 780.0 840.0 900.0 960.0 1020.0 1080.0 1140.0 1200.0 1320.0 1380.0 1440.0 1500.0 1680.0 1740.0 1800.0 1800.0	497.0 527.0 557.0 587.0 647.0 707.0 767.0 827.0 887.0 947.0 1007.0 1127.0 1187.0 1247.0 1307.0 1367.0 1427.0 1487.0 1547.0 1607.0 1727.0 1787.0 1847.0	0.57 0.53 0.52 0.59 0.52 0.39 0.34 0.31 0.28 0.23 0.22 0.19 0.15 0.12 0.11 0.07 0.06 0.04 0.03 0.01 0.03 0.01 0.03 0.01	0.4634 0.4309 0.4228 0.3984 0.3415 0.3171 0.2764 0.2520 0.2276 0.1870 0.1789 0.1545 0.1220 0.0976 0.0894 0.0569 0.0488 0.0325 0.0244 0.0081 0.00244 0.0244 0.0244 0.0325 0.0488

TABLE G-22
SLUG WITHDRAWAL ANALYSIS DATA
FOR SITE 4 MONITORING WELL, DANGB-4-MW22

,	112 . 11101111 011111 0 111211, 2	1 A . O & . 1 A	
TIME FROM START OF TEST	CALCULATED TIME USED FOR ANALYSIS	H (FT)	H/H _o
(MIN)	(SEC)	(F1)	
0.2333	0	1.40	1.0000
0.2500	0 1 2 3 4 5 6	1.40	1.0000
0.2666	$\overline{2}$	1.40	1.0000
0.2833	3	1.40	1.0000
0.3000	4	1.40	1.0000
0.3166	Ś	1.40	1.0000
0.3333	6	1.40	1.0000
0.4167	11	1.39	0.9929
0.5000	16	1.39	0.9929
0.5833	21	1.37	0.9786
0.6667	26	1.37	0.9786
0.7500	31	1.36	0.9714
0.8333	36	1.36	0.9714
0.9167	41	1.34	0.9571
1.0000	46	1.34	0.9571
1.0833	51	1.34	0.9571
1.1667	56	1.33	0.9500
1.2500	61	1.33	0.9500
1.3333	66	1.33	0.9500
1.4166	71	1.31	0.9357
1.5000	76	1.31	0.9357
1.5833	81	1.31	0.9357
1.6667	86	1.29	0.9214
1.7500	91	1.28	0.9143
1.8333	96	1.28	0.9143
1.9167	101	1.28	0.9143
2.0000	106	1.26	0.9000
2.5000	136	1.23	0.8786
3.0000	166	1.18	0.8429
3.5000	296	1.17	0.8357
4.0000	226	1.14	0.8143
4.5000	256	1.10	0.7857
5.0000	286	1.07	0.7643
5.5000	316	1.04	0.7429
6.0000	346	1.02	0.7286
6.5000	376	0.99	0.7071
7.0000	406	0.98	0.7000
7.5000	436	0.95	0.6786
8.0000	466	0.93	0.6643
8.5000	596	0.90	0.6429
9.0000	526	0.90	0.6286
9.5000	556 556	0.87	0.6214
10.0000	586	0.85	0.6071
11.0000	-646	0.80	0.5714
12.0000	706	0.30	0.5429
	700	0.70	0.0127

TABLE G-22 (CONTINUED)

TIME FROM START	CALCULATED TIME	,	
OF TEST	USED FOR ANALYSIS	H	H/H_0
(MIN)	(SEC)	(FT)	/0
	-		
13.0000	766	0.72	0.5143
14.0000	826	0.71	0.5071
15.0000	886	0.68	0.4857
16.0000	946	0.64	0.4571
17.0000	1006	0.61	0.4357
18.0000	1066	0.60	0.4286
19.0000	1126	0.57	0.4071
20.0000	1186	0.55	0.3929
21.0000 22.0000	1246	0.53	0.3786
23.0000	1306	0.52	0.3714
24.0000	1366 1426	0.49	0.3500 0.3357
25.0000	1486	0.47 0.47	0.3357
26.0000	1546	0.47	0.3337
27.0000	1606	0.44	0.3143
28.0000	1666	0.42	0.3143
29.0000	1726	0.42	0.2929
30.0000	1720	0.39	0.2786
31.0000	1846	0.39	0.2786
32.0000	1906	0.39	0.2714
33.0000	1966	0.38	0.2714
34.0000	2026	0.36	0.2571
35.0000	2086	0.36	0.2571
36.0000	2146	0.36	0.2571
37.0000	2206	0.34	0.2429
38.0000	2226	0.34	0.2429
39.0000	2366	0.33	0.2357
40.0000	2386	0.33	0.2357
41.0000	2446	0.31	0.2214
42.0000	2506	0.31	0.2214
43.0000	2566	0.31	0.2214
44.0000	2626	0.31	0.2214
45.0000	2686	0.30	0.2143
46.0000	2746	0.30	0.2143
47.0000	2806	0.30	0.2143
48.0000	2866	0.30	0.2143
49.0000	2926	0.28	0.2000
50.0000	2986	0.28	0.2000
51.0000	3046	0.28	0.2000
52.0000	3106	0.28	0.2000
53.0000	3166	0.28	0.2000
54.0000	3226	0.26	0.1857
55.0000	3286	0.28	0.2000
56.0000	3346	0.28	0.2000
57.0000	3406	0.26	0.1857
58.0000	3466	0.26	0.1857
59.0000	3526 2506	0.26	0.1857
60.0000	3586	0.26	0.1857

TABLE G-23
SLUG INJECTION TEST DATA FOR
SITE 8 MONITORING WELL, DANGB-8-MW16

0.0 0.00 120.0 1.01 0.2 0.01 150.0 0.98 0.4 0.01 180.0 0.95 0.6 0.03 210.0 0.91 0.8 0.03 240.0 0.88 1.0 0.03 270.0 0.85 1.2 0.03 300.0 0.82 1.4 0.03 330.0 0.79 1.6 0.03 360.0 0.76 1.8 0.03 390.0 0.72 2.0 0.03 420.0 0.71 3.0 0.03 450.0 0.68 4.0 0.03 480.0 0.64 5.0 0.03 510.0 0.63 6.0 0.03 540.0 0.60 7.0 0.03 540.0 0.60 7.0 0.03 570.0 0.58 8.0 0.03 570.0 0.58 8.0 0.03 600.0 0.57	TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM STA OF TEST (MIN)	ART H (FT)
45.0 1.12 1620.0 0.17 50.0 1.10 1680.0 0.15 55.0 1.10 1740.0 0.14 60.0 1.09 1800.0 0.14 65.0 1.09 1860.0 0.12	0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 25.0 30.0 40.0 50.0 60.0 70.0 10.0	0.01 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 1.20 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.10 1.10 1.09	150.0 180.0 210.0 240.0 270.0 300.0 330.0 360.0 390.0 420.0 450.0 480.0 510.0 540.0 570.0 600.0 660.0 720.0 780.0 840.0 900.0 960.0 1020.0 1080.0 1140.0 1200.0 132C.0 1380.0 1440.0 1500.0 1560.0 1620.0 1680.0 1740.0 1800.0	0.98 0.95 0.91 0.88 0.85 0.82 0.79 0.76 0.72 0.71 0.68 0.64 0.63 0.60 0.58 0.57 0.53 0.50 0.45 0.42 0.41 0.38 0.34 0.33 0.30 0.28 0.26 0.25 0.22 0.22 0.22 0.22 0.20 0.19 0.17 0.15 0.14 0.14

TABLE G-23 (CONTINUED)

TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
80.0	1.06	2040.0	0.09
85.0	1.06	2100.0	0.09
90.0	1.04	2160.0	0.09
95.0	1.04	2220.0	0.07
100.0	1.04	2280.0	0.07
105.0	1.02	2340.0	0.07
110.0	1.02	2400.0	0.06
115.0	1.02	2460.0	0.06

TABLE G-24
SLUG WITHDRAWAL TEST DATA FROM
SITE 8 MONITORING WELL, DANGB-8-MW16

TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
0.0000	0.00	2.0000	1.01
0.0033	0.01	2.5000	0.98
0.0066	0.01	3.0000	0.95
0.0099	0.03	3.5000	0.91
0.0133	0.03	4.0000	0.88
0.0166	0.03	4.5000	0.85
0.0200	0.03	5.0000	0.82
0.0233	0.03	5.5000	0.79
0.0266	0.03	6.0000	0.76
0.0300	0.03	6.5000	0.72
0.0333	0.03	7.0000	0.71
0.0500	0.03	7.5000	0.68
0.0666	0.03	8.0000	0.64
0.0833	0.03	8.5000	0.63
0.1000	0.03	9.0000	0.60
0.1166	0.03	9.5000	0.58
0.1333	0.03	10.0000	0.57
0.1500	0.91	11.0000	0.53
0.1666	1.20	12.0000	0.50
0.1833	0.41	13.0000	0.45
0.2000	0.91	14.0000	0.42
0.2166	1.23	15.0000	0.41
0.2333	1.20	16.0000	0.38
0.2500	1.15	17.0000	0.34
0.2666	1.15	18.0000	0.33
0.2833	1.15	19.0000	0.30
0.3000	1.17	20.0000	0.28
0.3166	1.17	21.0000	0.26
0.3333	1.15	22.0000	0.25
0.4167	1.15	23.0000	0.22
0.5000	1.15	24.0000	0.22
0.5833	1.14	25.0000	0.20
0.6667	1.12	26.0000	0.19
0.7500	1.12	27.0000	0.17
0.8333 .	1.10	28.0000	0.15
0.9167	1.10	29.0000	0.14
1.0000	1.09	30.0000	0.14
1.0833	1.09	31.0000	0.12
1.1667	1.09	32.0000	- 0.17
1.2500	1.07	33.0000	- 0.15

TABLE G-24 (CONTINUED)

TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
1.3333 1.4166 1.5000 1.5833 1.6667 1.7500 1.8333 1.9167	1.06 1.06 1.04 1.04 1.04 1.02 1.02 1.01	34.0000 35.0000 36.0000 37.0000 38.0000 40.0000 41.0000	- 0.04 - 0.04 - 0.02 - 0.07 - 0.07 - 0.06 - 0.06

transmissivity are given in Table G-25 for the injection test and Table G-26 for the withdrawal test. The values of H_0 and initial time used to construct Tables G-25 and G-26 are based on a visual inspection of the field data plots (Figures G-24 and G-25).

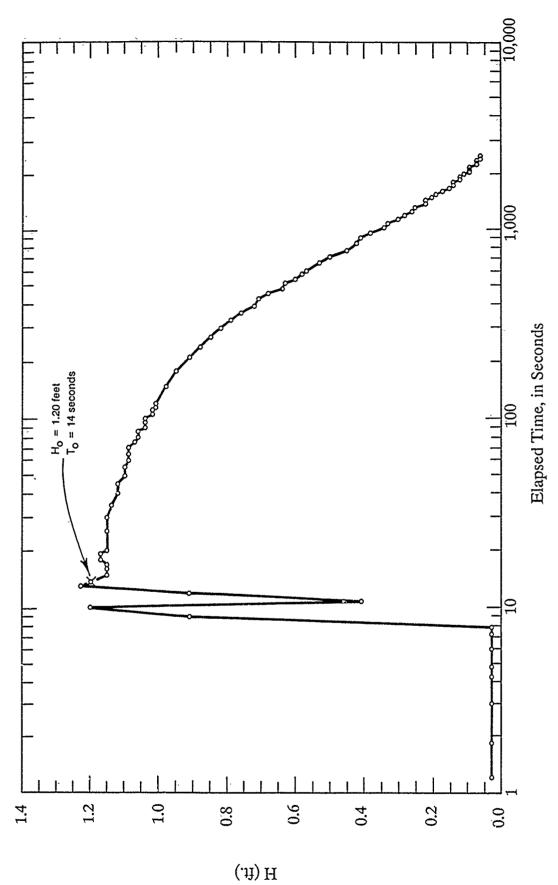
Analysis of the slug injection test results for well DANGB-8-MW16 gives an apparent transmissivity of 15.0 g/d/ft and the apparent storage coefficient is 10⁻⁴ (Figure G-26). The apparent hydraulic conductivity is 1.5 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 10 feet.

Analysis of the slug withdrawal data for well DANGB-8-MW16 yields an apparent transmissivity of 10.9 g/d/ft and an apparent storage coefficient of 10⁻⁴ (Figure G-27). The apparent hydraulic conductivity is 1.1 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 10 feet.

The slug test data for GW 8-A were collected on September 9, 1988. The injection data and withdrawal data are presented in Tables G-27 and G-28, respectively. The values of H/H_0 and time used for computing transmissivity are given in Table G-29 for the injection test and Table G-30 for the withdrawal test. The values of H_0 and initial time used to construct Tables G-29 and G-30 are based on a visual inspection of the field data plots (Figures G-28 and G-29).

Analysis of the slug injection test results for well DANGB-8-MW16 gives an apparent transmissivity of 8.6 g/d/ft and the apparent storage coefficient is 10⁻² (Figure G-30). The apparent hydraulic conductivity is 1.4 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 6.21 feet.

Analysis of the slug withdrawal data for well DANGB-8-MW16 yields an apparent transmissivity of 321 g/d/ft and an apparent storage coefficient of 10⁻³ (Figure G-31). The apparent hydraulic conductivity is 51.7 g/d/ft² based on the apparent transmissivity and a saturated thickness for the screened interval of 6.21 feet.



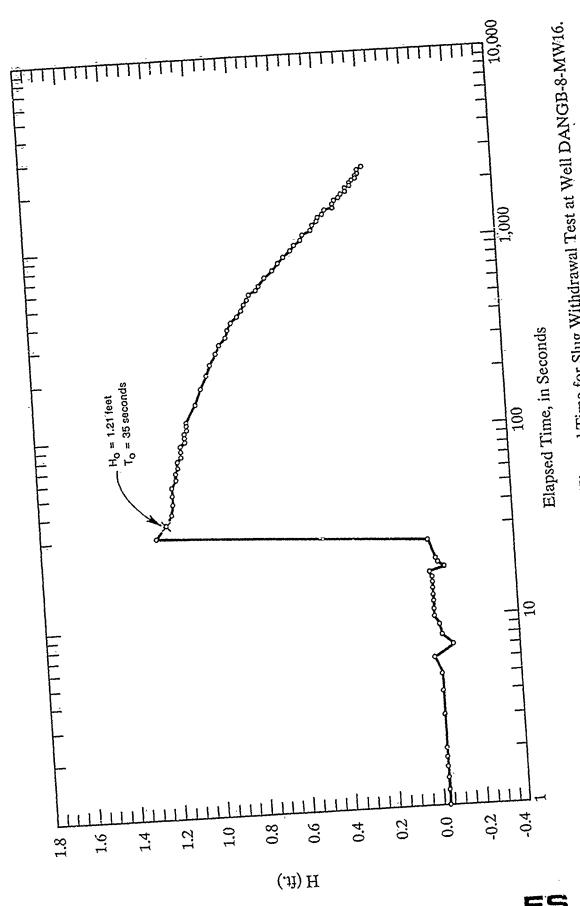


Figure G - 25 Water Level, H, Versus Elapsed Time for Slug Withdrawal Test at Well DANGB-8-MW16.

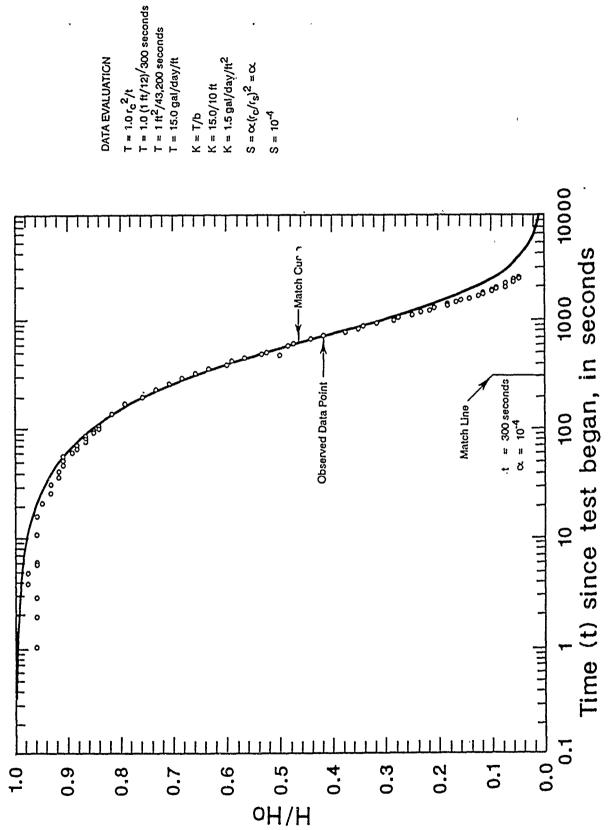
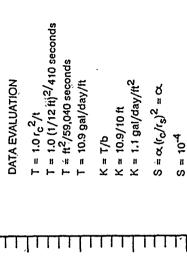


Figure G - 26 Analysis of Slug Injection Data From Well DANGB-8-MW16.

ES



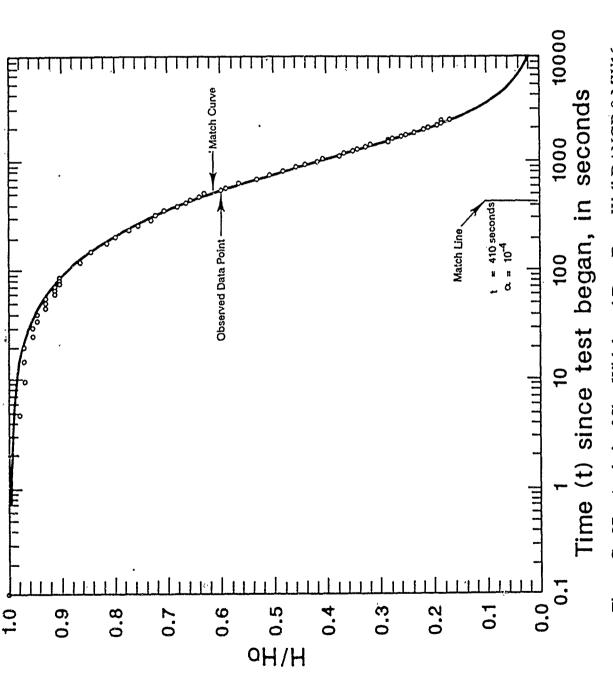
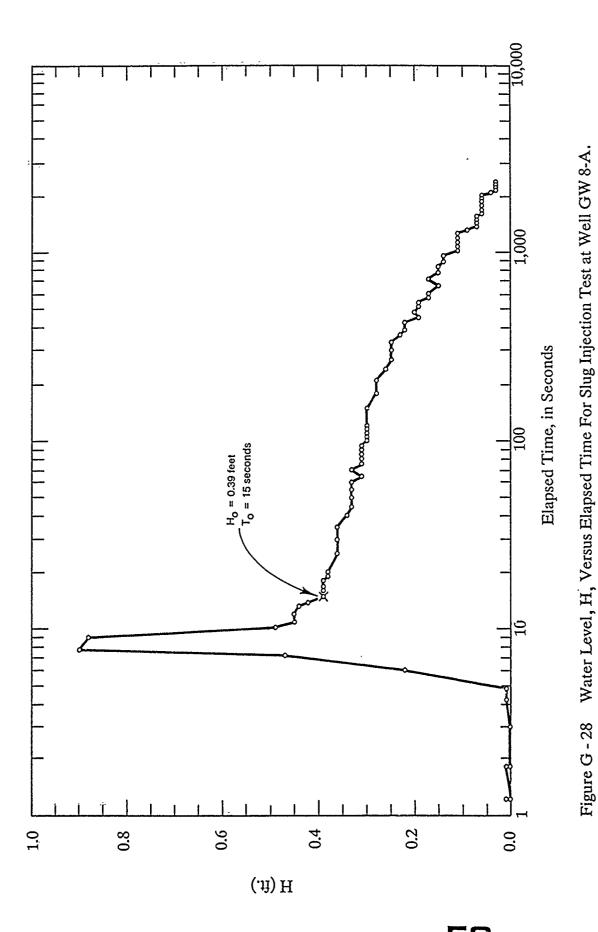


Figure G - 27 Analysis of Slug Withdrawal Data From Well DANGB-8-MW16.

ES



G-92

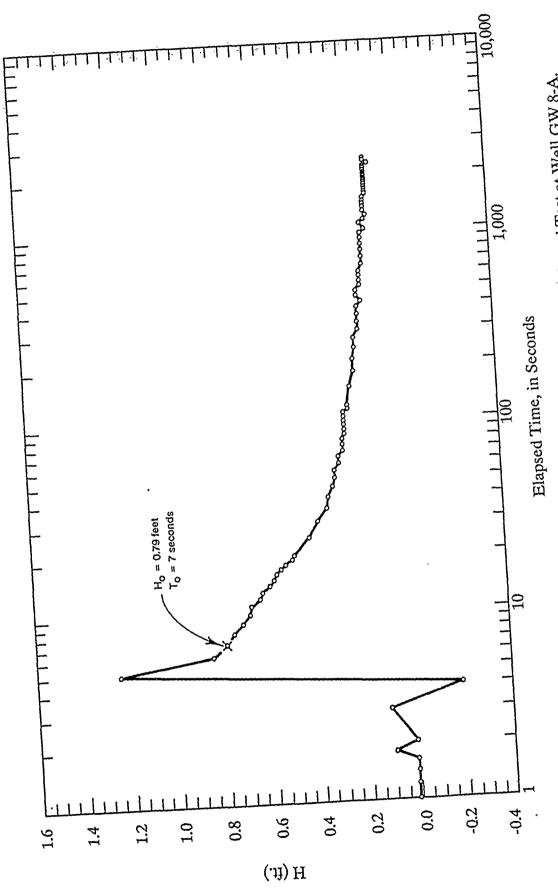
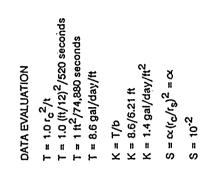


Figure G - 29 Water Level, H, Versus Elapsed Time for Slug Withdrawal Test at Well GW 8-A.

ES



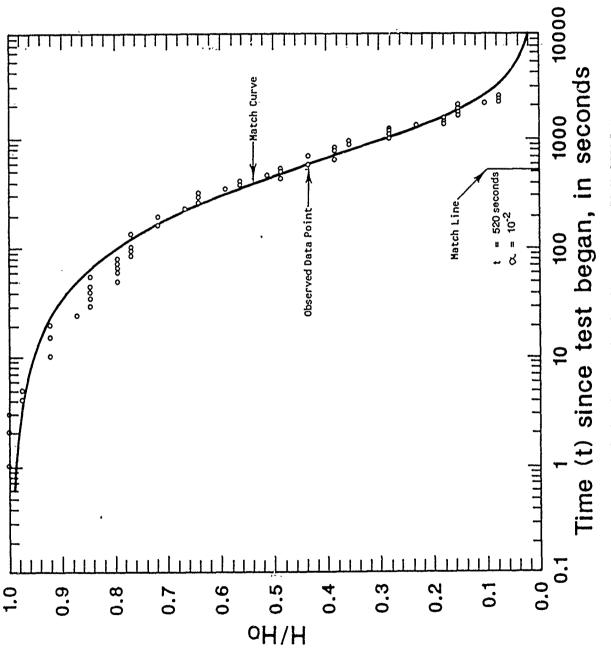
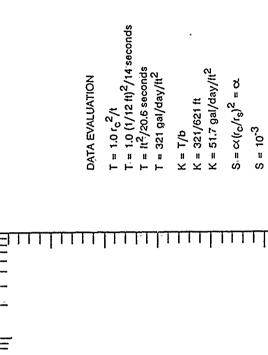


Figure G - 30 Analysis of Slug Injection Data From Well GW 8-A.



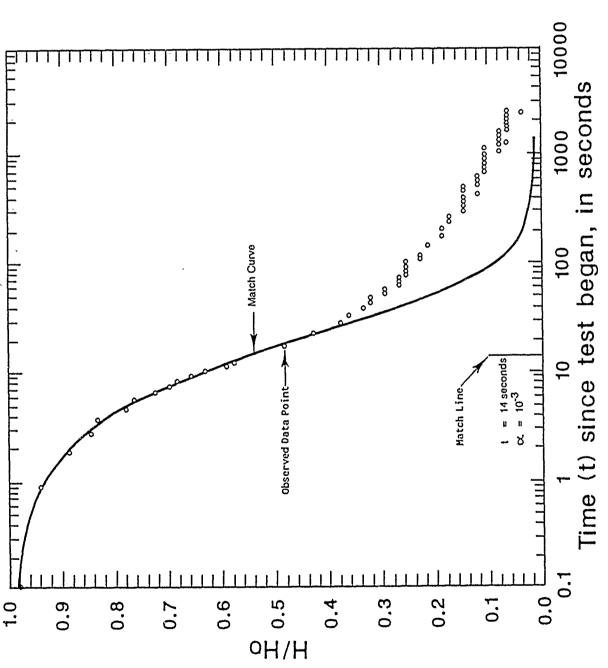


Figure G - 31. Analysis of Slug Withdrawal Data From Well GW 8-A.

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TABLE G-25
SLUG INJECTION ANALYSIS DATA
FOR SITE 8 MONITORING WELL, DANGB-8-MW16

TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
14.0	0.0	1.20	1.0000
15.0	1.0	1.15	0.9583
16.0	2.0	1.15	0.9583
17.0			
	3.0	1.15	0.9583
18.0	4.0	1.17	0.9750
18.0	5.0	1.17	0:9750
20.0	6.0	1.15	0.9583
25.0	11,0	1.15	0.9583
30.0	16.0	1.15	0.9583
35.0	21.0	1.14	0.9500
40.0	26.0	1.12	0.9333
45.0	31.0	1.12	0.9333
50.0	36.0	1.10	0.9167
55.0	41.0	1.10	0.9167
60.0	46.0	1.09	0.9083
65.0	51 O		
	51.0	1.09	0.9083
70.0	56.0	1.09	0.9083
75.0	61.0	1.07	0.8917
80.0	66.0	1.06	0.8833
85.0	71.0	1.06	0.8833
90.0	76.0	1.04	0.8667
95.0	81.0	1.04	0.8667
100.0	86.0	1.04	0.8667
105.0	91.0	1.02	0.8500
110.0	96.0	1.02	0.8500
115.0	101.0	1.01	0.8417
120.0	106.0	1.01	0.8417
150.0	136.0	0.98	0.8167
180.0	166.0	0.95	0.7917
210.0		0.93	0.7583
	196.0		
240.0	226.0	0.88	0.7333
270.0	256.0	0.85	0.7083
300.0	285.0	0.82	0.6833
330.0	316.0	0.79	0.6583
360.0	346.0	0.76	0.6333
390.0 ·	376.0	0.72	0.6000
420.0	406.0	0.71	0.5917
450.0	436.0	0.68	0.5667
480.0	466.0	0.64	0.5333
510.0	496.0	0.63	0.5250
540.0	526.0	0.60	0.5000
J 10.0	J20.U	0.00	0.5000

TABLE G-25 (CONTINUED)

TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H ₀
570.0	556.0	0.58	0.4833
600.0	586.0	0.57	0.4750
660.0	646.0	0.53	0.4417
720.0	706.0	0.50	0.4167
780.0	766.0	0.45	0.3750
840.0	826.0	0.42	0.3500
900.0	886.0	0.41	0.3417
960.0	946.0	0.38	0.3167
1020.0	1006.0	0.34	0.2833
1080.0	1066.0	0.33	0.2750
1140.0	1126.0	0.30 0.28	0.2500
1200.0 1260.0	1186.0	0.28 0.26	0.2333 0.2167
1320.0	1246.0	0.26 0.25	0.2167
1380.0	1306.0 1366.0	0.23 0.22	0.2083
1440.0	1426.0	0.22	0.1833
1500.0	1486.0	0.22	0.1667
1560.0	1546.0	0.20	0.1583
1620.0	1606.0	0.17	0.1363
1680.0	1666.0	0.17	0.1417
1740.0	1726.0	0.13	0.1250
1800.0	1786.0	0.14	0.1167
1860.0	1846.0	0.14	0.1000
1920.0	1906.0	0.12	0.1000
1980.0	1966.0	0.12	0.0917
2040.0	2026.0	0.09	0.0750
2160.0	2086.0	0.09	0.0750
2160.0	2146.0	0.09	0.0750
2220.0	2206.0	0.07	0.0583
2280.0	2266.0	0.07	0.0583
2340.0	2326.0	0.07	0.0583
2400.0	2386.0	- 0.06	0.0500
2460.0	2446.0	0.06	0.0500

TABLE G-26
SLUG WITHDRAWAL ANALYSIS DATA
FOR SITE 8 MONITORING WELL, DANGB-8-MW16

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TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
0.5833	0	1.21	1.0000
0.6667	0 5	1.18	0.9752
0.7500	10	1.17	0.9669
0.8333	15	1.17	0.9669
0.9167	20	1.17	0.9669
0.1000	25	1.15	0.9509
0.1166	30	1.15	0.9504
0.1500	35		
		1.14	0.9421
0.1666	40	1.14	0.9421
0.1833	45	1.12	0.9256
0.2000	50	1.12	0.9256
0.2166	55	1.12	0.9256
0.2333	60	1.10	0.9090
0.2500	65	1.10	0.9090
0.2666	70	1.10	0.9090
0.2833	75	1.09	0.9008
÷0.3000	80	1.09	0.9008
0.3166	85	1.09	0.9008
0.3333	115	1.04	0:8595
0.4167	145	1.01	0.8347
0.5000	175	0.98	0.8099
0.5833	205	0.96	0.7933
0.6667	235	0.93	0:7685
0.7500	265	0.91	0.7520
0.8333	295	0.88	0.7272
0.9167	325	0.87	0.7190
1.0000	355	0.85	0.7024
1.0833	385	0.85 0.82	0.6776
1.1667	415	0.80	0.6611
1.2500	445	0.79	0:6528
1.3333	475	0.77	0.6363
1.4166	505	0.76	0.6280
1.5000	535	0.72	0.5950
1.5833	565	0.71	0.5867
1.6667	625,	0.68	0.5619
1.7500	685	0.64	0.5289
1.8333	7 4 5	0.61	0.5041
1.9167	805	0.58	0.4793
2.0000	865	0.55	0.4545
2.5000	925		0,4343
2,5000	943	0.50	V;430U

TABLE G-26 (CONTINUED)

	, , , , , , , , , , , , , , , , , , , ,		
TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	Н/Н _о
3.0000 3.5000 4.0000 4.5000 5.0000 5.5000 6.0000 6.5000 7.0000 7.5000 8.0000 9.0000 9.5000 10.0000 11.0000 12.0000 13.0000 14.0000 15.0000 17.0000 18.0000 19.0000	985 1045 1105 1165 1225 1285 1285 1345 1405 1465 1525 1585 1645 1705 1765 1825 1885 1945 2005 2065 2125 2185 2245 2305 2365	0.50 0.49 0.45 0.44 0.42 0.41 0.39 0.38 0.34 0.33 0.31 0.30 0.28 0.26 0.26 0.25 0.25 0.23 0.22 0.22 0.22	0.4132 0.4049 0.3719 0.3636 0.3471 0.3388 0.3223 0.3140 0.2809 0.2727 0.2561 0.2479 0.2314 0.2148 0.2148 0.2148 0.2148 0.2148 0.2148 0.2148 0.2148 0.2148 0.2148 0.2148
13.0000	2303	0.22	0.1032

TABLE G-27
SLUG INJECTION TEST DATA FOR
SITE 8 MONITORING WELL, GW 8-A

TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 25.0 30.0 45.0 50.0 60.0 70.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 25.0 30.0 40.0 40.0 17.0 18.0 19.0 20.0 20.0 25.0 30.0 40.0 40.0 40.0 40.0 17.0 18.0 19.0 20.0 20.0 25.0 30.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 40.0 45.0 55.0 60.0	0.06 0.03 0.01 0.01 0.00 0.01 0.00 0.00 0.00	120.0 150.0 180.0 210.0 240.0 270.0 300.0 330.0 360.0 390.0 420.0 450.0 480.0 510.0 540.0 570.0 600.0 660.0 720.0 780.0 840.0 900.0 960.0 1020.0 1080.0 1140.0 1200.0 1320.0 1320.0 1320.0 1320.0 1380.0 1440.0 1500.0 1560.0 1620.0 1680.0 1740.0 1800.0 1920.0 1980.0	0.30 0.30 0.28 0.28 0.26 0.25 0.25 0.25 0.22 0.19 0.19 0.17 0.17 0.17 0.15 0.17 0.15 0.14 0.14 0.11 0.11 0.11 0.11 0.11 0.11

TABLE G-27 (CONTINUED)

TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
80.0 85.0 90.0 95.0 100.0 105.0 110.0 115.0	0.31 0.31 0.31 0.31 0.30 0.30 0.30 0.30	2040.0 2100.0 2160.0 2220.0 2280.0 2340.0 2400.0	0.06 0.04 0.03 0.03 0.03 0.03 0.03

TABLE G-28
SLUG WITHDRAWAL TEST DATA FROM SITE 8
MONITORING WELL, DANGB-8-GW-8-A

TIME FROM STAR OF TEST (MIN)	T (FT)	TIME FROM START OF TEST (MIN)	H (FT)
0.0000 0.0033 0.0066 O.0099 0.0133 0.0166 0.0200 0.0233 0.0266 0.0300 0.0333 0.0500 0.0666 0.0833 0.1000 0.1166 0.1333 0.1500 0.1666 0.1833 0.2000 0.2166 0.2333 0.2500 0.2666 0.2833 0.3000 0.3166 0.3333 0.4167 0.5000 0.5833 0.4167 0.5000 0.5833 0.9167 1.0000 1.0833 1.1667 1.2500	- 0.03 0.00 0.00 0.01 0.01 0.01 0.01 0.01 0.01 0.11 - 0.19 1.25 0.85 0.79 0.76 0.72 0.69 0.68 0.64 0.63 0.60 0.58 0.57 0.55 0.53 0.50 0.49 0.42 0.38 0.34 0.33 0.30 0.30 0.30 0.30 0.42 0.38 0.34 0.33 0.31 0.30 0.30 0.28 0.28 0.27 0.26	2.0000 2.5000 3.0000 3.5000 4.0000 4.5000 5.0000 5.5000 6.0000 6.5000 7.0000 7.5000 8.0000 19.0000 19.0000 11.0000 11.0000 11.0000 15.0000 15.0000 16.0000 17.0000 28.0000 29.0000 29.0000 21.0000 22.0000 23.0000 24.0000 25.0000 26.0000 27.0000 38.0000 39.0000 31.0000 31.0000 31.0000 31.0000 33.0000	0.25 0.25 0.25 0.23 0.23 0.22 0.20 0.19 0.17 0.17 0.17 0.17 0.15 0.17 0.15 0.15 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.11 0.11

TABLE G-28 (CONTINUED)

TIME FROM START OF TEST (MIN)	H (FT)	TIME FROM START OF TEST (MIN)	H (FT)
1.3333	0.26	34.0000	0.11
1.4166	0.25	35.0000	0.11
1.5000	0.25	36.0000	0.11
1.5833	0.25	37.0000	0.11
1.6667	0.25	38.0000	0.09
1.7500	0.25	39.0000	0.11
1.8333	0.25	40.0000	0.11

TABLE G-29
SLUG INJECTION ANALYSIS DATA
FOR SITE 8 MONITORING WELL, GW 8-A

TIME FROM START OF TEST (SEC)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
15.0	0.0	0.39	1.0000
16.0	1.0	0.39	1.0000
17.0	2.0	0.39	1.0000
18:0	3.0	0.39	1.0000
18.0 20.0	4.0	0.38 0.38	0.9744 0.9744
25.0 25.0	5.0 10.0	0.36	0.9744
30.0	15.0	0.36	0.9231
35.0	20.0	0.36	0.9231
40.0	25.0	0.34	0.8718
45.0	30.0	0.33	0.8462
50.0	35.0	0.33	0.8462
55.0	40.0	0.33	0.8462
60.0	45.0	0.33	0.8462
65.0	50.0	0.31	0.7949
70.0	55.0	0.33	0.8462
75.0	60.0	0.31	0.7949
80.0	65.0	0.31	0.7949
85.0	70.0	0.31	0.7949
90.0 95.0	75.0	0.31	0.7949
100.0	80.0 85.0	0.31 0.30	0.7949 0.7692
105.0	90.0	0.30	0.7692
110.0	95.0	0.30	0.7692
115.0	100.0	0.30	0.7692
120.0	105.0	0.30	0.7692
150.0	135.0	0.30	0.7692
180.0	165.0	0.28	0.7179
210.0	195.0	0.28	0.7179
240.0	225.0	0.26	0.6667
270.0	255.0	0.25	0.6410
300.0	285.0	0.25	0.6410
330.0	315.0	0.25	0.6410
360.0 390.0	345.0 375.0	0.23	0.5897
420.0	375.0 405.0	0.22 0.22	0.5641 0.5641
450.0	435.0	0.22	0.3641
480.0	465.0	0.19	0.4672
510.0	495.0	0.10	0.4872
540.0	525.0	0.19	0.4872
			~··~,~

TABLE G-29 (CONTINUED)

			·
TIME FROM START	CALCULATED TIME		
OF TEST	USED FOR ANALYSIS	\mathbf{H}^{\cdot}	H/H_0
(SEC)	(SEC)	$(\widehat{\mathrm{FT}})$	/0
(5.2.5)	(020)	()	
570.0	555.0	0.17	0.4359
600.0	585.0	0.17	0.4359
660.0	645.0	0.15	0.3846
720.0	705.0	0.17	0.4359
780.0	765.0	0.15	0.3846
840.0	825.0	0.15	0.3846
900.0	885.0	0.14	0.3590
960.0	945.0	0.14	0.3590
1020.0	1005.0	0.11	0.2821
1080.0	1065.0	0.11	0.2821
1140.0	1125.0	0.11	0.2821
1200.0	1185.0	0.11	0.2821
1260.0	1245.0	0.11	0.2821
1320.0	1305.0	0.09	0.2308
1380.0	1365.0	0.07	0.1795
1440.0	1425.0	0.07	0.1795
1500.0	1485.0	0.07	0.1795
1560.0	1545.0	0.07	0.1795
1620.0	1605.0	0.06	0.1538
1680.0	1665.0	0.06	0.1538
1740.0	1725.0	0.06	0.1538
1800.0	1785.0	0.06	0.1538
1860.0	1845.0	0.06	0.1538
1920.0	1905.0	0.06	0.1538
1980.0	1965.0	0.06	0.1538
2040.0	2025.0	0.06	0.1538
2100.0	2085.0	0.04	0.1026
2160.0	2145.0	0.03	0.0769
2220.0	2205.0	0.03	0.0769
2280.0	2265.0	0.03	0.0769
2340.0	2325.0	0.03	0.0769
2400.0	2385.0	0.03	0.0769

TABLE G-30
SLUG WITHDRAWAL ANALYSIS DATA
FOR SITE 8 MONITORING WELL, GW 8-A

		4 5	
TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
0.1166	0	0.79	1.0000
0.1333	1 2 3 4 5 6 7 8	0.76	0.9620
0.1500	2	0.72	0.9113
0.1666	3	0.69	0.8734
0.1833	4	0.68	0.8607
0.2000	5	0.64	0.8101
0.2166	6	0.63	0.7974
0.2333	7	0.60	0.7594
0.2500	8	0.58	0.7341
0.2666	9	0.57	0.7215
0.2833	10	0.55	0.6962
0.3000	11	0.53	0.6708
0.3166	12	0.50	0.6329
0.3333	13	0.49	0.6202
0.4167	18	0.42	0.5316
0.5000	23	0.38	0.4810
0.5833	28	0.34	0.4303
0.6667	33	0.33	0.4177
0.7500	38	0.31	0.3924
0.8333	43	0.30	0.3797
0.9167	48	0.30	0.3797
1.0000	53	0.28	0.3544
1.0833	58	0.28	0.3544
1.1667	63	0.26	0.3291
1.2500	68	0.26	0.3291
1.3333	73	0.26	0.3291
1.4166	78	0.25	0.3164
1.5000	83	0.25	0.3164
1.5833	88	0.25	0.3164
1.6667	93	0.25	0.3164
1.7500	98	0.25	0.3164
1.8333	103	0.25	0.3164
1.9167	108	0.23	0.2911
2.0000	113	0.23	0.2911
2.5000	143	0.22	0.2784
3.0000	173	0.20	0.2531
3.5000	203	0.20	0.2531
4.0000	233	0.19	0.2405
4.5000	263	0.19	0.2405
5.0000	293	0.17	0.2151

TABLE G-30 (CONTINUED)

	<u> </u>		
TIME FROM START OF TEST (MIN)	CALCULATED TIME USED FOR ANALYSIS (SEC)	H (FT)	H/H _o
5.5000 6.0000 6.5000 7.0000 7.5000 8.0000 8.5000 9.0000 9.5000 10.0000 12.0000 13.0000 14.0000 15.0000 16.0000 17.0000 20.0000 21.0000 22.0000 23.0000 24.0000 25.0000 26.0000 27.0000 28.0000 29.0000 30.0000 31.0000 31.0000 31.0000 35.0000 35.0000 36.0000 37.0000	323 353 383 413 443 443 473 503 533 563 593 653 713 773 833 893 953 1013 1073 1133 1193 1253 1313 1373 1433 1493 1553 1613 1673 1793 1793 1853 1913 1973 2033 2093 2153 2213	0.17 0.17 0.17 0.15 0.17 0.15 0.15 0.15 0.15 0.14 0.14 0.14 0.14 0.14 0.14 0.12 0.11 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11	0.2151 0.2151 0.2151 0.1898 0.2151 0.1895 0.1894 0.1894 0.1894 0.1772 0.1772 0.1772 0.1772 0.1772 0.1772 0.1772 0.1518 0.1539 0.1539 0.1392
38.0000 39.0000 40:0000	.2273 2333 2393	0.09 0.11 0.11	0.1139 0.1392 0.1392

APPENDIX H
ALTITUDE AND COORDINATE SURVEY
SUMMARY FOR SAMPLE LOCATIONS

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APPENDIX H

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SECTION H.1 INTRODUCTION

SECTION H.1 INTRODUCTION

The altitude and coordinates of each sampling site were determined by surveying. Salo Engineering, Inc. of Duluth Minnesota, a land surveyor registered in the state of Minnesota did this work. Water level measuring points on wells were surveyed to \pm 0.01 feet of altitude. The ground surface at borehole monitoring well locations, and well point locations; sediment and surface water sampling location; and at some of the corner and interior points of hand-augured borehole grids at Sites 3 and 8, were surveyed to \pm 0.1 feet of altitude. The horizontal coordinates of each sampling site were surveyed to within \pm 0.5 feet.

The locations and altitudes of the eleven monitoring wells constructed during the Phase II, Stage 1 investigation conducted by Weston (1984) and the 16 monitoring wells constructed during the Phase II, Stage 2 investigation conducted by Dames and Moore, Inc. (1987) were also surveyed.

Altitudes were referenced to the National Geodetic Vertical Datum of 1929 (NGVD) while horizontal coordinates were referenced to the Minnesota State Plane Coordinate System.

SECTION H.2
ALTITUDE AND COORDINATE DATA FOR SAMPLE LOCATIONS

SECTION H.2

ALTITUDE AND COORDINATE DATA FOR SAMPLE LOCATIONS

Survey results are summarized in two types of tables. Tables H-1 through H-6 summarize the survey results by site. Table H-7 summarizes the survey results for all sites sequentially by type of sampling site. In these tables the column headings have the following meanings:

The alpha-numeric identifier assigned to the sampling point. See Appendix D.7 for a complete Sample Point ID:

explanation of the system used.

Measuring Point Altitude: The altitude of the water-level measuring point (for wells only)

referenced to the NGVD in feet. The measuring

point is the well casing.

Altitude of the ground surface or water level Ground Surface Altitude:

surface at the sampling point referenced to the

NGVD in feet.

The coordinates of the sampling point referenced Horizontal Coordinates:

to the Minnesota State Coordinate System, in feet.

Site: The site at which the sample point is located.

TABLE H-1 ALTITUDE AND COORDINATE DATA SUMMARY FOR AREA SAMPLE LOCATIONS

Sample Location	Water-Level Measuring Point Altitude (Feet)	Ground Surface Altitude (Feet)	<u>Horizontal</u> North (Feet)	Coordinates East (Feet)
Surface Water and	Sediment (RI)			
DANGB-BG-SL1 DANGB-BG-SL2 DANGB-BG-SL3 DANGB-BG-SL4 DANGB-BG-SL5	:	1384.97 ^a 1382.86 ^a 1394.74 ^b 1367.75 ^b 1396.99 ^c	63743.6 63614.5 59146.7 53199.5 50537.9	628581.8 623864.8 623777.9 631551.3 626419.9
Monitoring Wells (RI)			
DANGB-BG-MW-DANGB-BG-MW-DANGB-BG-MW-	1419.68	1426.9 1416.8 1404.6	53377.5 54351.0 52548.8	622511.1 619896.2 628808.2

a. Elevation of water surface on September 23, 1988. b. Elevation of water surface on November 3, 1988. c. Elevation of water surface on September 30, 1988.

TABLE H-2 ALTITUDE AND COORDINATE DATA SUMMARY FOR SITE 2 SAMPLE LOCATIONS

	Vater Level Measuring Point Altitude (Feet)	Ground Surface Altitude (Feet)	<u>Horizontal</u> North (Feet)	Coordinates East (Feet)
Surface Water and S	ediment (RI)			
DANGB-2-SL6 DANGB-2-SL7		1409.73 ^a 1413.52 ^a	56732.6 56341.3	629761.3 629910.6
Boreholes for Soil Sa	amples (RI)		•	
DANGB-2-BH1 DANGB-2-BH2		1430.99 1431.05	56422.5 56408.8	629357.4 629322.6
Boreholes for Monit	oring Wells (P	lugged and Ab	andoned) (RI)	
DANGB-2-MW12A DANGB-2-MW13A		1425.22 1434.65	56642.3 55776.3	629408.0 628716.3
Monitoring Wells (R	<u>(I)</u>			
DANGB-2-MW37 DANGB-2-MW38 DANGB-2-MW39 DANGB-2-MW40 DANGB-2-MW41	1428.97 1433.97 1430.20 1431.11 1434.38	1426.4 1431.4 1427.4 1428.4 1432.0	56079.2 55730.8 55547.0 55593.7 55996.1	629533.8 629341.2 628993.0 629629.5 628364.7
Monitoring Wells (P	<u>hase II Stage 2</u>	7		
GW 2-A GW 2-B GW 2-C GW 2-D GW 2-E	1437.72 1436.25 1438.55 1429.55 1427.13	1434.6 1433.84b 1436.17b 1427.78b 1426.25b	55767.7 55993.3 56189.4 56546.5 56633.0	628710.8 629180.7 629002.6 629535.7 629427.3
Monitoring Wells (P	hase II Stage 1	Ĵ		
MW 1 'MW 2 MW 4 MW 5 MW 6 MW 7	1433.40 1434.81 1437.46 1437.18 1436.01 1438.16	1431.2 1432.2 1434.7 1434.1 1432.9 1435.6	56539.8 56407.3 56085.1 55816.7 55796.9 55867.9	629277.4 629210.8 629065.8 629048.8 628906.2 628757.1
Well Points (RI)				
DANGB-2-WP6 DANGB-2-WP7 DANGB-2-WP7D DANGB-2-WP8	1420.63 1426.49 1426.19 1419.51	1418.1 1424.0 1423.8 1417.5	56970.8 56367.1 56369.5 56638.0	629042.7 628656.9 628654.0 629755.5

a. Elevation of Water surface on September 23, 1988. b. Elevation on top of 4 inch concrete pad.

TABLE H-3 ALTITUDE AND COORDINATE DATA SUMMARY FOR SITE 3 SAMPLE LOCATIONS

Sample Location	Water Level Measuring Point Altitude (Feet)	Ground Surface Altitude (Feet)	<u>Horizontal</u> North (Feet)	Coordinates East (Feet)
Surface Water and	Sediment (RI)		· · · · · · · · · · · · · · · · · · ·	
DANGB-3-SL8 DANGB-3-SL9 DANGB-3-SL10		1410.51 ^a 1411.22 ^a 1411.37 ^a	53655.1 53693.5 53550.1	622806.3 622681.8 622791.2
Monitoring Wells	(RI)			
DANGB-3-MW25 DANGB-3-MW26 DANGB-3-MW27 DANGB-3-MW29 DANGB-3-MW30 DANGB-3-MW31 DANGB-3-MW31 DANGB-3-MW35 DANGB-3-MW35	1415.23 1415.79 1412.47 1416.96 1419.78 1421.61 1420.64 1420.65 1415.91	1412.2 1412.7 1413.0 1409.8 1414.4 1417.0 1419.5 1418.3 1418.3 1413.1	53821.6 53822.8 53874.3 53840.0 53696.4 53492.6 53423.3 53559.5 53557.7 53794.2	623054.8 623048.6 622844.9 622545.3 622858.6 622863.8 622748.5 622523.4 622529.0 622686.1
Monitoring Wells		•		
GW 3-A GW 3-B GW 3-C GW 3-D	1423.84 1421.25 1419.59 1417.59	1421.25 ^b 1418.92 ^b 1417.97 ^b 1416.23 ^b	53520.3 53654.6 53616.9 53672.6	622721.9 622662.3 622645.7 622723.8
Soil Gas Grid Loc	ations			
DANGB-3-SGB2 DANGB-3-SGE1 DANGB-3-SGE3 DANGB-3-SGE5 DANGB-3-SGD3		1418.00 1412.21 1414.69 1415.05 1415.02	53577.2 53604.9 53775.3 54059.9 53752.4	622675.8 622995.4 622874.5 622793.4 622820.0

a. Elevation of water surface on October 7, 1988. b. Elevation on top of 4 inch thick concrete pad.

TABLE H-4 ALTITUDE AND COORDINATE DATA SUMMARY FOR SITE 4 SAMPLE LOCATIONS

Sample Location	Water-Level Measuring Point Altitude (Feet)	Ground Surface Altitude (Feet)	Horizontal North (Feet)	Coordinates East (Feet)
Surface Water and	Sediment (RI)		,	
DANGB-4-SL11 DANGB-4-SL12 DANGB-4-SL13 DANGB-4-SL14 DANGB-4-SL15 DANGB-4-SL16		1402.61 ^a 1402.86 ^a 1403.54 ^a 1406.45 ^a 1407.95 ^a 1407.37	53921.7 53920.5 53910.7 53720.1 53655.8 53733.3	623451.9 623614.4 623827.6 623892.4 623524.5 623329.9
Monitoring Wells	(RI)			
DANGB-4-MW21 DANGB-4-MW22 DANGB-4-MW23 DANGB-4-MW24	1414.40 1416.16 1415.39 1412.97	1411.7 1413.5 1412.9 1410.5	53848.6 54038.6 53996.0 53676.1	623851.6 623548.7 623338.5 623504.8
Monitoring Wells	(Phase II, Stage 2	2)	<i>"</i>	
GW 4-A GW 4-B GW 4-C GW 4-D	1413.27 1412.25 1416.29 1417.17	1410.68b 1409.83b 1413.59b 1414.62b	53455.0 53814.0 53987.0 54047.2	623679.5 623300.9 623339.4 623550.2
Monitoring Wells	(Phase II, Stage 1	J		
MW 8 MW 9 MW 10 MW 11	1414,83 1414.06 1413.70 1414.36	1412.4 1412.4 1410.8 1411.4	53565.1 53849.9 53672.4 53897.5	623849.1 623848.3 623537.3 623283.6
Well Points (RI)				
DANGB-4-WP11 DANGB-4-WP12 DANGB-4-WP13 DANGB-4-WP13I DANGB-4-WP14 DANGB-4-WP14I DANGB-4-WP15 DANGB-4-WP15I DANGB-4-WP16	1419.08 D 1419.13 1418.02 D 1418.01 1418.76	1413.6 1414.8 1414.8 1416.8 1416.7 1415.6 1415.8 1416.6 1416.6 1413.1	53301.2 54106.6 54106.5 54118.7 54118.7 54130.7 54131.2 54142.9 54143.0 53377.2	623927.2 624211.6 624215.9 623808.3 623815.4 623319.3 623324.6 622938.8 622943.8 623240.3

a. Elevation of water surface on November 3, 1988. b. Elevation on top of 4 inch concrete pad.

TABLE H-5 ALTITUDE AND COORDINATE DATA SUMMARY FOR SITE 8 SAMPLE LOCATIONS

Sample Location	Water-Level Measuring Point Altitude (Feet)	Ground Surface Altitude (Feet)	<u>Horizontal</u> North (Feet)	Coordinates East (Feet)
Surface Water and	Sediment (RI)	was to say to the same of the	<u> </u>	
DANGB-8-SL17 DANGB-8-SL18 DANGB-8-SL19		1407.86 ^a 1409.31 ^a 1408.55 ^a	53894.3 53842.5 53833.3	624287.3 624534.0 624746.7
Boreholes for Mor	nitoring Wells (P	lugged and Ab	andoned) (RI)	1
DANGB-8-MW18 DANGB-8-MW19 DANGB-8-MW20	Α	1412.75 1412.29 1411.46	53569.1 53809.0 53839.7	624528.5 624634.3 624339.6
Monitoring Wells	(RI)			
DANGB-8-MW14 DANGB-8-MW15 DANGB-8-MW16 DANGB-8-MW17	1414.56 1413.32	1412.2 1412.2 1410.5 1410.3	53343.6 53333.6 53318.9 53308.3	624842.2 624840.9 624477.7 624477.9
Monitoring Wells	(Phase II, Stage	<u>2)</u>		
GW 8-A GW 8-B GW 8-C	1414.36 1414.96 1415.97	1412.62 ^b 1412.15 ^b 1413.22 ^b	53806.7 53850.1 53579.8	624645.5 624344.7 624529.9
Well Points (RI)				
DANGB-8-WP9 DANGB-8-WP9D DANGB-8-WP10 DANGB-8-WP101 DANBG-8-WP11	1415.61	1412.3 1412.5 1413.2 1413.3 1413.6	53209.6 53204.6 53646.3 53646.1 53301.2	624260.2 624258.2 624089.0 624082.7 623927.2
Shallow Soil Samples (RI)				
DANGB-8-SSAO DANGB-8-SSA3 DANGB-8-SSF3		1412.04 1412.14 1411.75	53508.2 53807.7 53791.4	624291.7 624276.7 624776.5

a. Elevation of water surface on October 7, 1988.b. Elevation on top of 4 inch thick concrete pad.

TABLE H-6
ALTITUDE AND COORDINATE DATA SUMMARY FOR SITE 10 SAMPLE LOCATIONS

Sample Location	Water-Level Measuring Point Altitude (Feet)	Ground Surface Altitude (Feet)	Horizontal North (Feet)	Coordinates East (Feet)
Monitoring Wells	(Phase II Stage	<u> </u>		
GW 10-A GW 10-B GW 10-C	1411.06 1410.09 1407.53	1407.90 ^a 1408.02 ^a 1405.73 ^a	55997.8 56286.0 56319.5	624565.7 624522.4 624412.6

a. Elevation on top of 4 inch thick concrete påd.

TABLE H-7

ALTITUDE AND COORDINATE DATA SUMMARY FOR SAMPLE LOCATIONS

SEQUENTIAL LISTING BY TYPE OF SAMPLE LOCATION

. *	Water-Level Measuring Point	Ground Surface	<u>Horižonta</u>	l-Coordinates	
Sample Locat	Altitude ion (Feet)	Altitude (Feet)	North (Feet)	East (Feet)	Site
Monitoring W	Vells (Phase II, Sta	ige I)		u .	
MW 1	1433.40	1431.2	56539.8	629277.4	2
MW 2	1434.31	1432.2	56407.3	629210.8	2
MW 4	1437.46	1434.7	56085.1	629065.8	2
MW 5	1437.18	1434.1	55816.7	629048.8	2
MW 6	1436.01	1432.9	55796.9	628906.2	2
MW 7	1438.16	1435.6	55867.9	628757.1	2
MW 8	1414.83	1412.4	53565.1	623849.1	4
MW 9	1414.06	1412.4	53849.9	623848.3	4
MW 10	1413.70	1410.8	53672.4	623537.3	4
MW 11	1414.36	1411.4	53897.5	623283.6	4
	<u>'ells (Phase II, Sta</u>		33097.3	023203.0	7
GW 2-A GW 2-B GW 2-C GW 2-D GW 2-E	1437.72 1436.25 1438.55 1429.55 1427.18	1434.6 1433.84 1436.17 1427.78 1426.25	55767.7 55993.3 56189.4 56546.5 56633.0	628710.8 629180.7 629002.6 629535.7 629427.3	2 2 2 2 2 2
GW 3-A	1423.84	1421.25	53520.3	622721.9	3
GW 3-B	1421.25	1418.92	53654.6	622662.3	3
GW 3-C	1419.59	1417.97	53616.9	622645.7	3
GW 3-D	1417.59	1416.23	53672.6	622723.8	3
GW 4-A	1413.27	1410.68	53455.0	623679.5	4
GW 4-B	1412.25	1409.83	53814.0	623300.9	4
GW 4-C	1416.29	1413.59	53987.0	623339.4	4
GW 4-D	1417.17	1414.62	54047.2	623550.2	4
GW 8-A	1414.36	1412.62	53806.7	624645.5	8
GW 8-B	1414.96	1412.15	53850.1	624344.7	8
GW 8-C	1415.97	1413.22	53579.8	624529.9	8
GW 10-A	1411.06	· 1407.90	55997.8	624565.7	10
GW 10-B	1410.09	1438.02	56286.0	624522.4	10
GW 10-C	1407.53	1405.73	56319.5	624412.6	10

TABLE H-7 (continued)
ALTITUDE AND COORDINATE DATA SUMMARY FOR SAMPLE LOCATIONS
SEQUENTIAL LISTING BY TYPE OF SAMPLE LOCATION

Sample Location	Water-Level Measuring Point Altitude (Feet)	Ground Surface Altitude (Feet)	Horizonta North (Feet)	l Coordinate East (Feet)	<u>S</u> Site
Monitoring Wells (R)	<u>()</u>	,			
DANGB-2-MW12A DANGB-2-MW13A		1425.22 1434.65	56642.3 55776.3	629408.0 628716.3	2 2
DANGB-8-MW14 DANGB-8-MW15 DANGB-8-MW16 DANGB-8-MW17 DANGB-8-MW18A DANGB-8-MW19A DANGB-8-MW20A	1414.26 1414.56 1413.32 1412.90	1412.2 1412.2 1410.5 1410.3 1412.75 1412.29 1411.46	53343.6 53333.6 53318.9 53308.3 53569.1 53809.0 53889.7	624842.2 624840.2 624477.7 624477.9 624528.5 624634.3 624339.6	8 8 8 8 8 8
DANGB-4-MW21 DANGB-4-MW22 DANGB-4-MW23 DANGB-4-MW24	1414.40 1416.16 1415.39 1412.97	1411.7 1413.5 1412.9 1410.5	53848.6 54038.6 53996.0 53676.1	623851.6 623548.7 623338.5 623504.8	4 4 4 4
DANGB-3-MW25 DANGB-3-MW26 DANGB-3-MW27 DANGB-3-MW29 DANGB-3-MW30 DANGB-3-MW31 DANGB-3-MW32 DANGB-3-MW33 DANGB-3-MW34 DANGB-3-MW35	1415.14 1415.23 1415.79 1412.47 1416.96 1419.78 1421.61 1428.40 1420.64 1420.65 1415.91	1412.2 1412.7 1413.0 1409.8 1414.4 1417.0 1419.5 1426.9 1418.3 1418.3 1413.1	53821.6 53822.8 53874.3 53840.0 53696.4 53492.6 53423.3 53377.5 53559.5 53557.7 53794.2	623054.8 623048.6 622844.9 622545.3 622858.6 622863.8 622748.5 622511.1 622523.4 622529.0 622686.1	3 3 3 3 3 3 Area 3
DANGB-2-MW37 DANGB-2-MW38 DANGB-2-MW39 DANGB-2-MW40 DANGB-2-MW41	1428.97 1433:97 1430.20 1431.11 1434.46	1426.4 1431.4 1427.4 1428.4 1432.0	56079.2 55780.8 55547.0 55593.7 55996.1	629533.8 629341.2 628993.0 629629.5 628364.7	2 2 2 2 2
DANGB-BG-MW42 DANGB-BG-MW43		1416.8 1404.6	54351.0 52548.8	619896.2 628808.2	Area Area
Well Points (RI) DANGB-2-WP6 DANGB-2-WP7 DANGB-2-WP7D DANGB-2-WP8	1420.63 1426.49 1426.19 1419.51	1418.1 1424.0 1423.8 1417.5	56970.8 56367.1 56369.5 56638.0	629042.7 628656.9 628654.0 629755.5	2 2 2 2

TABLE H-7 (continued) ALTITUDE AND COORDINATE DATA SUMMARY FOR SAMPLE LOCATIONS SEQUENTIAL LISTING BY TYPE OF SAMPLE LOCATION

Sample Location	Water-Level Measuring Point Altitude (Feet)	Ground Surface Altitude (Feet)	Horizonta North (Feet)	l Coordinate East (Feet)	
Well Points (RI) (co	ntinued)				•
DANGB-8-WP9 DANGB-8-WP9D DANGB-8-WP10 DANGB-8-WP10D DANGE-8-WP11	1414.68 1415.42 1415.61 1415.72 1416.48	1412.3 1412.5 1413.2 1413.3 1413.6	53209.6 53204.6 53646.3 53646.1 53301.2	624260.2 624258.2 624089.0 624082.7 623927.2	8 8 8 . 8
DANGB-4-WP12 DANGB-4-WP12D DANGB-4-WP13 DANGB-4-WP14 DANGB-4-WP14D DANGB-4-WP15 DANGB-4-WP15D DANGB-4-WP16	1417.01 1417.04 1419.08 1419.13 1418.02 1418.01 1418.76 1418.71 1415.52	1414.8 1414.8 1416.8 1416.7 1415.6 1415.8 1416.6 1416.6 1413.1	54106.6 54106.5 54118.7 54118.7 54130.7 54131.2 54142.9 54143.0 53377.2	624211.6 624215.9 623808.3 623815.4 623319.3 623324.6 622938.8 622943.8 623240.3	4 4 4 4 4 4 4 4
Soil Borings					
DANGB-2-BH1 DANGB-2-BH2	x	1430.99 1431 <u>.</u> 05	56422.5 56408.8	629357.4 629322.6	2 2
Soil Gas Grid Locati	<u>ons</u>		•		
DANGB-3-SGB2 DANGB-3-SGE1 DANGB-3-SGE5 DANGB-3-SGD3 DANGB-3-SGE3		1418.00 1412.21 1415.05 1415.02 1414.69	53577.2 53604.9 54059.9 53752.4 53775.3	622675.8 622995.4 622793.4 622820.0 622874.5	3 3 3 3
Soil Sample Grid Lo	<u>cations</u>				
DANGB-8-SSA0 DANGB-8-SSA3 DANGB-8-SSF3		1412.04 1412.14 1411.75	53508.2 53807.7 53791.4	624291.7 624276.7 624776.5	8 8 8
Surface Water and S	ediment (RI)				
DANGB-BG-SL1 DANGB-BG-SL2 DANGB-BG-SL3 DANGB-BG-SL4 DANGB-BG-SL5		1384.94b 1382.86b 1394.74c 1367.75c 1396.99d	63743.6 63614.5 59146.7 53199.5 50537.9	628581.8 623864.8 623777.9 631551.3 626419.9	Area Area Area Area Area
DANGB-2-SL6 DANGB-2-SL7		1409.73 ^b 1413.52 ^b	56732.6 56341.3	629761.3 629910.6	2 2

TABLE H-7 (continued) ALTITUDE AND COORDINATE DATA SUMMARY FOR SAMPLE LOCATIONS SEQUENTIAL LISTING BY TYPE OF SAMPLE LOCATION

Water-Level Measuring Point Altitude Sample Location (Feet)	Ground Surface Altitude (Feet)	Horizonta North (Feet)	l Coordinates East (Feet)	Site
Surface Water and Sediment (I	<u> </u>			
DANGB-3-SL8 DANGB-3-SL9 DANGB-3-SL10 .	1410.51 ^e 1411.22 ^e 1411.37 ^e	53655.1 53693.5 53550.1	622806.3 622681.8 622791.2	3 3 3
DANGB-4-SL11 DANGB-4-SL12 DANGB-4-SL13 DANGB-4-SL14 DANGB-4-SL15 DANGB-4-SL16	1402.61 ^d 1402.86 ^d 1403.54 ^d 1406.45 ^d 1407.95 ^d 1407.37 ^d	53921.7 53920.5 53910.7 53720.1 53655.8 55733.3	623451.9 623614.4 623827.6 623892.4 623524.5 623329.9	4 4 4 4 4
DANGB-8-SL17 DANGB-8-SL18 DANGB-8-SL19	1407.86 ^e 1409.31 ^e 1408.55 ^e	53894.3 53842.5 53833.3	624287.3 624534.0 624746.7	8 8 8

a. Elevation on top of 4 inch thick concrete pad.
b. Elevation of water surface on September 23, 1988.
b. Elevation of water surface on September 30, 1988.
b. Elevation of water surface on November 3, 1988.
b. Elevation of water surface on October 7, 1988.

This is the end of Appendix H.

APPENDIX I GROUND-WATER LEVEL MEASUREMENT SUMMARY

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SECTION I.1 INTRODUCTION

SECTION I.1 INTRODUCTION

Ground-water level data were collected on four occasions. The first three rounds of measurements took place during the 1988 summer field season. The fourth round took place during the second sampling round at Site 10 in February, 1989. The first set of water-level measurements was collected on July 28, 1988, from wells at Sites 2, 3, 4, and 8 installed during prior investigations. See Section 1 for description of these locations. The second set of water-level data was collected from all the pre-existing wells at Sites 2, 3, 4, and 8 and all the new wells completed by August 22, 1988. A third set of water-level measurements was collected from all wells at Sites 2, 3, 4, 8, and 10 on September 27, 1988. The fourth set of measurements was collected from all but three wells at Sites 2, 3, 4, 8 and 10 on February 26, 27 and 28, 1989. The exceptions were monitoring well MW 11 and well points DANGB-4-WP14D and DANGB-4-WP14 which could not be found due to depth of snow cover.

SECTION I.2 GROUND-WATER LEVEL MEASUREMENT DATA

SECTION I.2 GROUND-WATER LEVEL MEASUREMENT DATA

Ground-water level data are listed in the table that follows along with water level altitudes computed from the data. In this table, column headings have the following meaning:

Site:

The site in which the monitoring well or

well point is located.

Well No.:

The well identifier.

Measurement Date:

The date of measurement.

Measurement Time:

The time of measurement.

Depth to Water from Top of Casing (TOC):

The distance in feet from the

measuring point to the water surface.

Altitude of Measuring Point:

The altitude of the measuring point, in feet above National Geodetic Vertical

Datum of 1929 (NGVD).

Altitude of Water Level:

The altitude of the water surface, in feet

above NGVD.

TABLE I-1 GROUND-WATER LEVEL MEASUREMENT DATA

Site	Well No.	Measurement Date	Measurement Time	Depth to Water From TOC	Altitude of Measuring Point (feet)	Water Level Altitude (feet)
2	MW-1	7/28/88 8/22/88 9/27/88 2/27/89	10:31 08:43 11:45 15:54	15.32 15.57 15.00 14.02	1433.40	1418.08 1417.83 1418.40 1419.38
2	MW-2	7/28/88 8/22/88 9/27/88 2/27/89	10:55 08:35 11:43 15:46	12.56 12.57 11.25 10.93	1434.31	1421.75 1421.74 1423.06 1423.38
7	MW-4	7/28/88 8/22/88 9/27/88 2/27/89	11:30 09:35 11:18 15:19	12.97 10.41 7.00 9.13	1437.46	1424.09 1427.05 1430.46 1428.05
2	MW-5	7/28/88 8/22/88 9/27/88 2/26/89	11:45 10:05 11:08 16:15	20.14 8.27 3.92 6.82	1437.18	1417.04 1428.91 1433.26 1430.36
7	MW-6	7/28/88 8/22/88 9/27/88 2/26/89	12:09 10:01 11:10 15:55	13.02 07.15 3.33 3.26	1436.01	1422.99 1428.86 1432.68 1432.75
2	MW-7	7/28/88 8/22/88 9/27/88 2/26/89	12:30 09:51 10:52 16:50	11.00 7.50 5.23 9.06	1438.16	1427.16 1430.66 1432.93 1429.10

TABLE I-1 (continued)
GROUND-WATER LEVEL MEASUREMENT DAÏA

Site	Well No.	Measurement Date	Measurement Time	Depth to Water From TOC	Altitude of Me isuring Point (feet)	Water Level Altitude (feet)
2	GW 2-A	7/28/88 8/22/88 9/27/88 2/26/89	12:21 09:56 10:49 15:35	11.41 8.84 5.85 9.88	1437.72	1426.31 1428.88 1431.84 1427.84
2	GW 2-B	7/28/88 8/22/88 9/27/88 2/26/89	11:58 10:08 11:37 16:30	10.62 8.44 4.96 5.73	. 1436.25	1425.63 1427.81 1431.29 1430.52
2	GW 2-C	7/28/88 8/22/88 9/27/88 2/27/89	11:17 09:31 11:17 14:50	13.99 12.48 7.91 10.54	1438.55	1424.56 1426.07 1430.64 1428.01
2	GW 2-D	7/28/88 8/22/88 9/27/88 2/27/89	09:30 08:56 11:50 16:10	13.57 13.81 13.41 13.22	1429.55	1415.98 1415.74 1416.14 1416.33
2	GW 2-E	7/28/88 8/22/88 9/27/88 2/27/89	10:12 08:50 11:48 16:02	12.93 12.70 12.29 11.92	1427.18	1414.25 1414.48 1414.89 1415.26
2	DANGB-2-MW37	8/22/88 9/27/88 2/26/89	10:17 11:55 16:02	4.75 3.66 11.92		1424.22 1425.31 1415.26

TABLE I-1 (continued)

GROUND-WATER LEVEL MEASUREMENT DATA

Site	Well No.	Measurement Date	Measurement	Depth to Water From TOC	Altitude of Measuring Point (feet)	Water Level Altitude (feet)
2	DANGB-2-Miss 38	8/22/88 9/27/88 2/26/89	10:12 11:39 16:25	7.99 4.57 9.29	1433.97	1425.98 1429.40 1424.68
2	DANGB-2-MW39	8/22/88 9/27/88 2/26/89	10:24 11:03 16:05	9.72 4.42 7.52	1430.20	1420.48 1425.78 1422.68
2	DANGB-2-MW40	8/22/88 9/27/88 2/26/89	10:35 10:59 15:45	8.60 5.77 8.02	. 1431.11	1422.51 1425.34 1423.09
2	DANGB-2-MW41	8/22/88 9/27/88 2/26/89	9:43 10:41 15:30	10.63 8.10 7.70	1434.48	1423.85 1426.38 1426.78
2	DANGB-2-WP6	8/22/88 9/27/88 2/27/89	09:08 11:24 15:33	9.94 8.19 8.27	1420.63	1410.69 1412.44 1412.36
2	DANGB-2-WP7	8/22/88 9/27/88 2/27/88	09:25 11:25 14:57	3.46 3.75 3.58	1426.49	1423.03 1422.74 1422.91
2	DANGB-2-WP7D	8/22/88 9/27/88 2/27/89	09:22 11:24 14:55	3.33 3.01 2.33	1426.19	1422.86 1423.18 1423.86
2	DANGB-2-WP8	8/22/88 9/27/88 2/27/89	10:53 12:11 16:38	8.73 7.29 9.77	1419.51	1410.78 1412.22 1409.74

TABLE I-1 (continued)
GROUND-WATER LEVEL MEASUREMENT DATA

Water Level Altitude (feet)	1410.24 1411.86 1412.18 1411.86	1409.85 1411.43 1412.28 1411.68	1410.35 1409.64 1413.44 1411.99	1409.38 1411.19 1411.58 1410.96	1408.30 1406.75	1408.25 1406.51	1410.46 1407.64	1409.59 1410.05
Altitude of Measuring Point (feet)	1423.84	1421.25	1419.59	1417.59	1415.14	1415.23	1415.79	1412.47
Depth to Water From TOC	13.60 11.98 11.66 11.98	11.40 9.82 8.97 9.57	9.24 9.95 6.15 7.60	8.21 6.40 6.01 6.63	6.84 8.39	6.98 8.72	5.33 .	2,88 2.42
Measurement Time	16:35 15:33 15:56 12:00	16:10 15:26 15:28 13:02	15:55 15:30 15:30 12:55	16:23 15:22 15:25 13:37	14:55 8:05	14:54 8:00	14:52 8:12	15:20 13:15
Measurement Date	7/27/88 8/22/88 9/27/88 2/27/89	7/27/88 8/22/88 9/27/88 2/27/89	7/27/88 8/22/88 9/27/88 2/27/89	7/27/88 8/22/88 9/27/88 2/27/89	9/27/88 2/27/89	9/27/88 2/27/89	9/27/88 2/27/89	9/27/88 2/27/89
Well No.	GW 3-A	GW 3-B	GW 3-C	GW 3-D	DANGB-3-MW25	DANGB-3-MW26	DANGB-3-MW27	DANGB-3-MW28
Site	т	m	n	m	9	3	8	т

TABLE I-1 (continued)
GROUND-WATER LEVEL MEASUREMENT DATA

Site	Well No.	Measurement Date	Measurement Time	Depth to Water From TOC	Altitude of Measuring Point (feet)	Water Level Altitude (feet)
3	DANGB-3-MW29	9/27/88 2/27/89	14:58 8:20	5.79 7.42	1416.96	1411.17 1409.54
3	DANGB-3-MW30	9/27/88 2/27/89	15:05 12:20	8.29 8.78	1419.78	1411.49 · 1411.00
~	DANGB-3-MW31	9/27/88 2/27/89	15:08 12:10	9.58	1421.61	1412.03 1411.87
~	DANGB-3-MW33	9/27/88 2/27/89	15:15 12:43	7.75 8.18	1420.64	1412.89 1412.46
~	DANGB-3-MW34	9/27/88 2/27/89	15:17 12:40	6.62 8.29	1420.65	1414.03. 1412.36
3	DANGB-3-MW35	9/27/88 2/27/89	15:00 13:23	5.62 7.00	1415.91	1410.29 1408.91
4	MW 8	7/29/88 8/22/88 9/27/88 2/28/89	9:24 14:21 13:26 12:05	8.23 6.78 6.46 8.48	1414.83	1406.60 1408.05 1408.37 1406.35
4	9 MM	7/29/88 8/22/88 9/27/88 2/28/89	17:14 14:27 13:28 14:50	8.16 6.49 6.20 8.79	1414.06	1405.90 1407.57 1407.86 1405.27
4	MW 10	7/29/88 8/22/88 9/27/88 2/28/89	9:38 14:17 13:21 12:00	7.14 5.61 5.40 7.52	1413.70	1406.56 1408.09 1408.30 1406.18

TABLE I-1 (continued)

GROUND-WATER LEVEL MEASUREMENT DATA

Site	Well No.	Measurement Date	Measurement Time	Depth to Water From TOC	Altitude of Measuring Point (feet)	Water Level Altitude (feet)
4	MW 11	7/29/88 8/22/88 9/27/88	9:47 15:03 13:55	9.00 7.83 7.40	1414.36	1405.36 1406.53 1406.96
.4	GW 4-A	7/28/88 8/22/88 9/27/88 2/28/89	10:00 15:47 14:32 16:44	9.13 5.00 4.66 6.38	1413.27	1404.14 1408.27 1408.61 1406.89
4	GW 4-B	7/28/88 8/22/88 9/27/88 2/28/89	10:19 15:39 14:48 9:25	8.06 5.70 5.04 6.20	1412.25	1404.19 1406.55 1407.21 1406.25
4	GW 4-C	7/28/88 8/22/88 9/27/88 2/28/89	17:53 14:54 13:50 15:20	11.53 10.95 10.50 11.81	1416.29	1404.76 1405.34 1405.79 1404.48
4	GW 4-D	7/28/88 8/22/88 9/27/88 2/28/89	17:42 14:48 13:46 15:10	11.22 10.59 9.80	1417.17	1405.95 1406.58 1407.37 1405.78
4.	DANGB-4-MW21	8/22/88 9/27/88 2/28/89	14:32 13:29 14:48	7.30 6.91 8.88	1414.40	1407.10 1407.49 1405.52

TABLE I-1 (continued)
GROUND-WATER LEVEL MEASUREMENT DATA

Site	Well No.	Measurement Date	Measurement Time	Depth to Water From TOC	Altitude of Measuring Point (feet)	Water Level Altitude (feet)
4	DANGB-4-MW22	8/22/88 9/27/88 2/28/80	14:51 13:45 15:05	9.49 8.77	1416.16	1406.67
4	DANGB-4-MW23	2/23/23 8/22/88 9/27/88 2/28/89	5.5. 6. 5.5. 6.5.5. 6.5.5.	7.72	1415.39	1406.03 1407.67 1407.43
4	DANGB-4-MW24	9/27/88 2/28/89	13:22 14:02	4.40 6.56	1412.97	1405.83 1408.57 1406.41
4	DANGB-4-WP11	9/27/88 2/28/89	14:35 9:40	9.83 10.47	1416.48	1406.65
4	DANGB-4-WP12	9/27/88 2/28/89	13:35 11:28	5.56 8.73	1417.01	1411.45
4	DANGB-4-WP12D	9/27/88 2/28/89	13:36 11:30	5.02 8.88	1417.04	1412.02 1408.16
4	DANGB-4-WP13	9/27/88 2/28/89	13:42 15:45	8.96 10.35	1419.08	1410.12 1408.73
4	DANGB-4-WP13D	9/27/88 2/28/89	13:41 15:37	9.96 12.33	1419.13	1409.17
4 .	DANGB-4-WP14	9/27/88	13:53	8.62	1418.02	1409.40
4 -	DANGB-4-WP14D	9/27/88	13:52	62.6	1418.01	1408.22
4	DANGB-4-WP15	9/27/88 2/28/89	13:59 15:12	7.74 10.18	1418.76	1411.02 1408.58

TABLE I-1 (continued)

GROUND-WATER LEVEL MEASUREMENT DATA

Site	Well No.	Measurement Date	Measurement Time	Depth to Water From TOC	Altitude of Measuring Point (feet)	Water Level Altitude (feet)
¥.	DANGB-4-WP15D	9/27/88 2/28/89	13:58 16:20	8.59 10.77	1418.71	1410.12 1407.94
4,	DANGB-4-WP16	9/27/88 2/28/89	14:44 9:16	4.50 5.91	1415.52	1411.02 1409.61
∞	GW 8-A	7/29/88 8/22/88 9/27/88 2/28/89	10:49 13:52 13:10 11:06	8.90 6.56 5.80 7.75	. 1414.36	1405.46 1407.80 1408.56 1406.61
&	GW 8-B	7/29/88 8/22/88 9/27/88 2/28/89	10:38 13:59 13:07 11:10	9.65 6.63 5.02 8.42	1414.96	1405.31 1408.33 1409.94 1406.54
8	GW 8-C	7/29/88 8/22/88 9/27/88 2/28/89	11:00 13:41 12:54 9:07	10.85 6.91 6.39 10.23	1415.97	1405.12 1409.06 1409.58 1405.74
∞	DANGB-8-MW14	8/22/88 9/27/88 2/28/89	12:50 12:50 8:26	8.74 8.83 10.25	1414.26	1405.52 1405.43 1404.01
∞	DANGB-8-MW15	8/22/88 9/27/88 2/28/89	12:47 12:51 8:30	10.14 9.66 10.57	1414.56	1404.42 1404.90 1403.99

TABLE I-1 (continued)

GROUND-WATER LEVEL MEASUREMENT DATA

		•				
Site	Well No.	Measurement Date	Measurement Time	Depth to Water From TOC	Altitude of Measuring Point (feet)	Water Level Altitude (feet)
&	DANGB-8-MW16	8/22/88 9/27/88 2/28/89	13:27 12:57 8:45	7.61 7.33 8.44	1413.32	1405.71 1405.99 1404.88
∞	DANGB-8-MW17	8/22/88 9/27/88 2/28/88	13:31 12:58 8:47	8.25 .7.83 8.25	1412.90	1404.65 1405.07 1404.65
∞	DANGB-8-WP9	8/22/88 9/27/88 2/28/89	13:07 14:39 9:50	7.59 8.75 9.39	1414.68	1407.09 1405.93 1405.29
∞	DANGB-8-WP9D	8/22/88 9/27/88 2/28/89	13:10 14:38 9:46	8.11 8.99 10.12	1415.42	1407.31 1406.43 1395.30
∞	DANGB-8-WP10	8/22/88 9/27/88 2/28/89	14:11 13:14 11:53	5.80 · 6.58 10.02	1415.61	1409.81 1409.03 1405.59
∞	DANGB-8-WP10D	8/22/88 9/27/88 2/28/89	14:08 13:13 11:52	7.11 6.93 9.92	1415.72	1408.61 1408.79 1405.80
10	GW 10-A	9/27/88 2/26/88	10:18 2:00	7.56 9.33	1411.06	1403.50 1401.73
10	GW 10-B	9/27/88 2/26/88	10:10 11:10	9.93 7.92	1410.09	1400.16 1402.17
10	GW 10-C	9/27/88 · 2/26/88	10:05 8:50	7.95 8.23	1407.53	1399.58 1399.30

TABLE I-1 (continued)
GROUND-WATER LEVEL MEASUREMENT DATA

Site	Well No.	Measurement Date	Measurement Time	Depth to Water From TOC	Altitude of Measuring Point (feet)	Water Level Altitude (feet)
AREA	DANGB-BG-MW32	9/27/88 2/27/89	15:12 12:30	9.11	1428.40	1419.29 1418.38
AREA	DANGB-BG-MW42	8/22/88 9/27/88 2/28/89	14:42 16:57 14:25	6.26 3.67 3.46	1419.68	1413.42 1416.01 1416.22
AREA	DANGB-BG-MW43	8/22/88 9/27/88 2/28/89	16:04 12:43 10:42	13.13 12.40 12.61	1406.99	1393.86 1394.59 1394.38

This is the end of Appendix I.

APPENDIX J
STREAMFLOW MEASUREMENT DATA SUMMARY

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APPENDIX J

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APPENDIX J LIST OF FIGURES

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	Measurements	J-12

SECTION J.1
INTRODUCTION

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SECTION J.1 INTRODUCTION

Streamflow measurements were made at surface water sampling locations wherever practical. The methodology used in making these measurements and the measurement computations are presented in this appendix.

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SECTION J.2
METHODS USED TO MEASURE STREAMFLOW

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SECTION J.2 METHODS USED TO MEASURE STREAMFLOW

Two methods were used to obtain streamflow measurements. Both a flow meter and a portable weir were used. Streamflow was measured by current meter techniques at surface water and sediment sampling sites DANGB-BG-SL-1, DANGB-BG-SL-2, and DANGB-BG-SL-4. A portable weir was used to obtain the streamflow measurement at DANGB-4-SL11.

J.2.1 Streamflow Measurements Using a Current Meter

Streamflow was computed from stream depth and velocity data collected by wading measurements. A pygmy type current meter was used to measure flow velocity for these computations.

The midsection method was used for computing streamflow (Figure J.1). This method assumes that the velocity at given locations represents the mean velocity in a partial rectangular area. The area extends laterally half the distance to each adjacent section from the water surface to the stream bottom.

The discharge through partial section 4 in Figure 1 using the midsection method is:

$$q_4 = V_4 \, \underline{b_5 - b_3} \, d_4$$

2

where:

q4 = discharge through partial Section 4, in cubic feet per second (cfs);

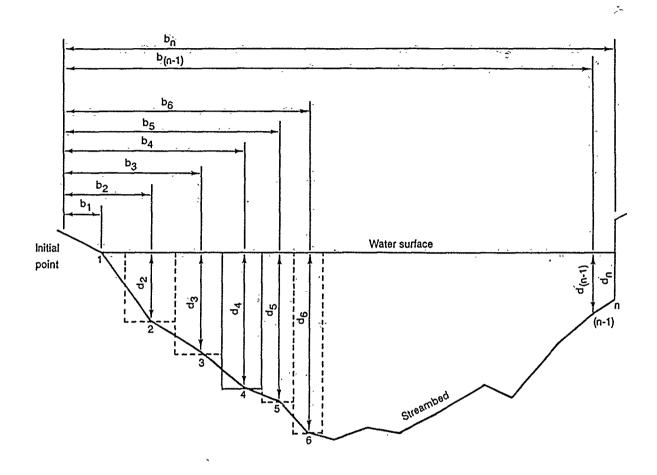
b3,b5 = measured distances from initial point to locations 3 and 5, respectively, in feet;

 d_4 = measured depth at location 4, in feet; and

 V_4 = mean velocity in the section, in feet per second.

The mean velocity in the section was determined by the six-tenths method. In this method, an observation of velocity is made at 0.6 of the depth below the surface in the vertical and is used as the mean velocity in the vertical. For Section 4 in Figure J.1, the mean velocity is that measured at a depth of 0.6 d₄.

Standard forms have been devised for computing streamflow using the above described procedures and were used on this project. Completed



EXPLANATION

1, 2, 3,n	Observation	points.	•						
p ¹ ' p ^Š ' p ^C ''''p ^U	Distance, observation p		feet,	from	the	Initial	points	to	the
d ₁ , d ₂ , d ₃ ,d _n	Depth of water	er, in f	eet, at the	observat	lion poir	nt.			
Dashed lines	Boundary discussed in	of text.	partial	sec	tions;	one	heavily	out	lined,

FIGURE J-1. Definition Sketch of Midsection Method for Computing Cross-Section Area for Discharge Measurements.

computational forms for streamflow measurements made at Duluth ANGB are presented in Section J.3.

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J.2.2 Streamflow Through a Weir

A 90° V-notch weir mounted in a one-foot long, six- inch diameter piece of PVC pipe with a faceplate graduated to different flow levels was used at location DANGB-BG-SL-11 to measure streamflow. Streamflow measurements were obtained by diverting the entire flow of the stream through the weir by constructing a dam to channel the flow through the pipe. A level on the weir was used to keep the pipe horizontal. The flow measurement was made by reading the discharge rate in gallons per day from the calibrated faceplate. This method is useful for streams with low discharge rates.

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SECTION J.3
STREAMFLOW MEASUREMENT DATA

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SECTION K.1
INTRODUCTION

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# SECTION K.1 INTRODUCTION

Grain size analyses of soil samples provide a quantitative measure of the grain size distribution. The grain size distribution influences the permeability of the glacial aquifer and the ground-water flow within it. Grain size distribution curves are also useful in the interpretation of slug test results.

A total of twenty-one soil samples from five boreholes at four sites were analyzed for grain size distribution. Three boreholes from which soil samples were analyzed for grain size, DANGB-3-MW25, DANGB-4-MW22, and DANGB-8-MW16 were also slug tested to determine aquifer transmissivity and hydraulic conductivity. Samples from borehole DANGB-2-MW12A were analyzed for grain size. This hole is a twin to monitoring well GW 2-E at which a slug test was performed. Similarly, samples from borehole DANGB-8-MW20A were analyzed for grain size. This hole is a twin to monitoring well GW 8-A at which a slug test was performed.

Grain size analysis procedures are outlined in Section D.11 Appendix D Procedures and Test Methods.

The soil samples which were analyzed represent the lithology of the sampled interval. The majority of the samples are well graded mixtures of clay, silt and very fine to fine sand. Several samples are predominantly clay or sand gravel. In virtually all samples, pebbles which are common throughout the till increased the percentage of the sample above the 2 mm grain size measurement.

The grain size analysis results are presented graphically. A point on the graph is the percentage of the total sample (y-axis) which is smaller than a particular grain size (x-axis). For example, in Figure K-1, 68% of the total soil sample is less than 2 millimeters in diameter.

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SECTION K.2 RESULTS This page intentionally left blank.

# SECTION K.2 RESULTS

Grain size analyses of samples from monitoring wells at which slug tests were performed suggest that the base of the glacial till aquifer is the most permeable part of the aquifer. Hydraulic conductivity values for DANGB-3-MW25, DANGB-4-MW22, and DANGB-8-MW16 as computed from slug tests are similar and range from 1.5 to 2.2 gal/day/ft². The screens of these wells intersect the base of the till and the bedrock contact. The lowest hydraulic conductivity value (0.2 gal/day/ft²) calculated from slug testing of monitoring well DANGB-3-MW34 was from a well screened entirely within silt and clay of the glacial aquifer. Similar slug test results for MW16, MW22, and MW25 and other wells may result from a zone of high permeability and dominant component of ground-water flow at the base of the glacial till aquifer.

Grain size distribution curves for samples within the screened intervals of DANGB-8-MW16, DANGB-4-MW22, and DANGB-3-MW25 are similar. Sand content increases near the base of the well. DANGB-8-MW16 had a higher sand content than DANGB-3-MW25 but the hydraulic conductivity value was similar. Perhaps ground-water movement is concentrated at the base of the glacial till aquifer, even in fine-grained sediment.

The grain size distribution of many soil samples was similar. Well graded mixtures of clay, silt, and fine sand were analyzed from soil samples as shown in Figures K-2, K-5 to K-7, and K-16 to K-20. These samples are probably the typical lithology of the glacial till aquifer and have a nearly identical grain size distribution. Other grain size samples are dominantly clay, location DANGB-4-MW22, depth of 5 to 15 feet (Figure K-8) or sand, location DANGB-8-MW16, depth of 24 to 25 feet (Figure K-15). Approximately 20-30% by weight of most samples consists of small pebbles and cobbles greater than 2 millimeters in diameter.

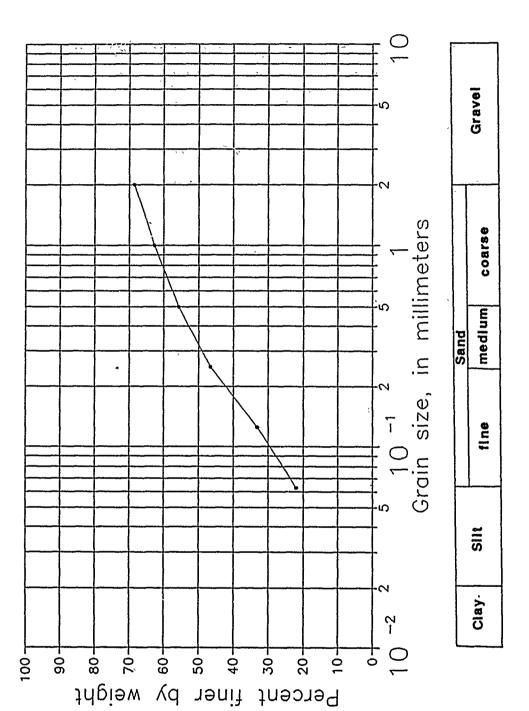
Grain size analysis of selected samples documents the poorly sorted nature of the mixture of clay, silt, sand and pebbles comprising the glacial till aquifer. Pure sand or clay layers are rare. The glacial till aquifer can be envisioned as a mixture of sediment with little sedimentary bedding and no predictable vertical or lateral change in lithology. An increase in grain size at the base of the glacial aquifer may support similar hydraulic conductivity values derived from slug tests for monitoring wells screened in this interval.

Porosity values of soil samples were derived from analysis of grain size distribution curves. The median grain size from the grain size curves was determined and the estimated porosity was found from a plot of median grain size vs. porosity for alluvium Davis and DeWiest, 1966. Porosity values ranged from 40.5 to 47 percent (Table K-1). A better measure of specific yield of the aquifer would be the effective porosity. Effective porosity refers to the amount of interconnected pore space through which water may be transmitted. Effective porosities for a silty clay range from 5 to 20%. Effective porosities for fine sand range from 25-35% (Davis and DeWiest, 1966 and Morris and Johnson, 1967). The abundance of clay in the aquifer material suggests that the effective porosity of the aquifer is on the average about 20%.

TABLE K-1
POROSITY VALUES

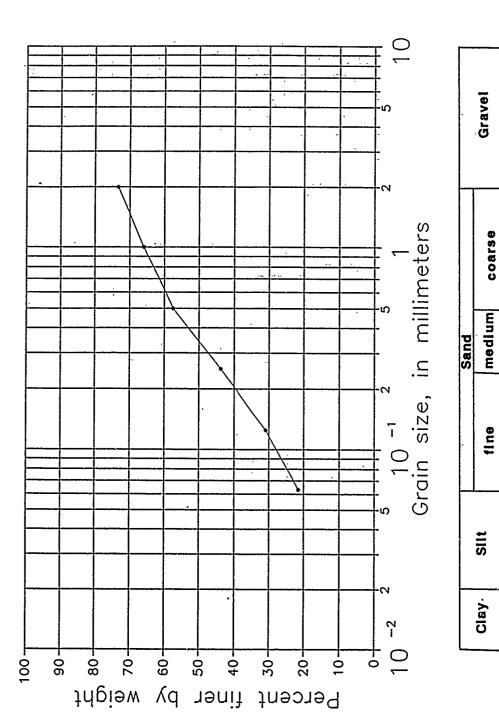
Location	Median Grain Size (mm)	Porosity(1)
DANGB-2-MW12A	0.20	42.5
15 - 16 16 - 17.8	0.32 0.33	43.5 43.5
18.6 - 19.3	0.12	46
19.3 - 20.3	0.19	44.5
DANGB-3-MW25		
0 - 5	0.35	43.2
5 - 10 10 - 15	0.5 0.48	42 42.2
	<b></b>	
DANGB-4-MW22 5 - 15	0.055	47.0
15 - 21	0.13	45.8
21 - 25 25 - 31	0.10 0.18	46.3 44.5
23 - 31	0.18	44.3
DANGB-8-MW16	0.00	440
14 - 15 16 - 17	0.23 0.20	44.2 44.4
20 - 21	0.10	46.3
24 - 25 29 - 30	0.40 0.75	43.0
29 - 30	0.73	41.5
DANGB-8-MW20A	0.00	44.0
6 - 7 7 - 8	0.22 0.30	44.2 43.6
8 - 9.5	0.21	44.4
9.5 - 10.3 10.5 - 11.5	0.40	43.0
10.3 - 11.3		

^{1.} Values reflect estimated porosity.



Grain Size Distribution of Soil Sample From Site 2 Borehole DANGB-2-MW12A at a Depth of 15 to 16 Feet. Figure K-1

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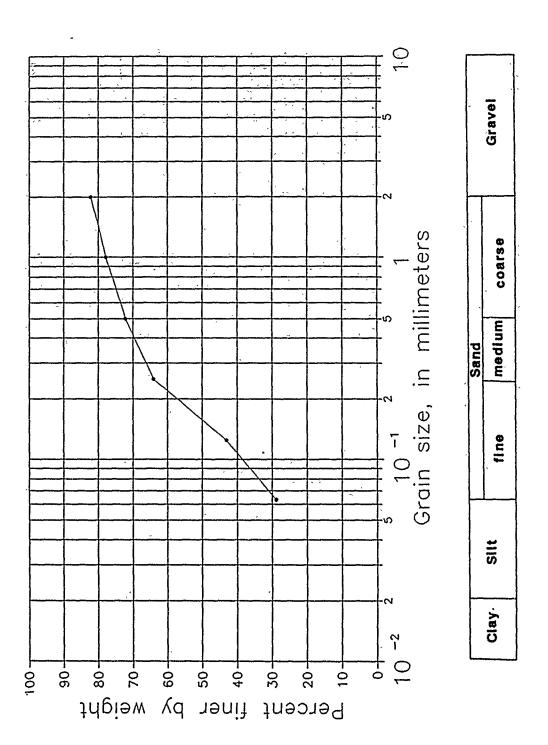
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Grain Size Distribution of Soil Sample From Site 2

Borehole DANGB-2-MW12A at a Depth of 16 to 17.8 Feet. ENGINEERING-SCIENCE, INC. Figure K-2



ENGINEERING-SCIENCE, INC. 田の Grain Size Distribution of Soil Sample From Site 2 Borehole DANGB-2-MW12A at a Depth of 18.6 to 19.3 Feet. Figure K-3

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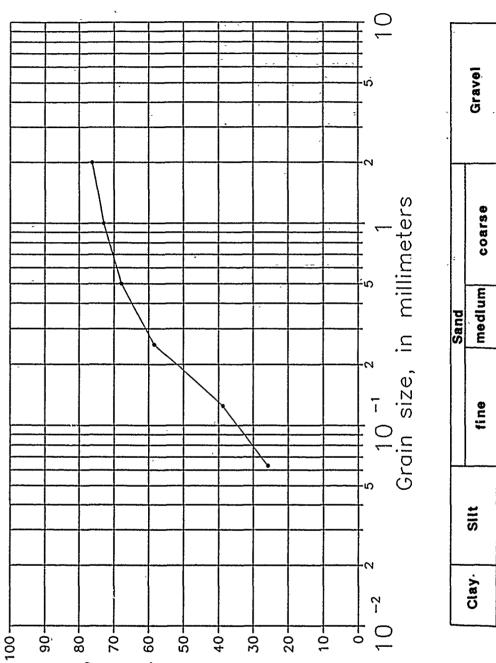


Figure K-4 Grain Size Distribution of Soil Sample From Site 2

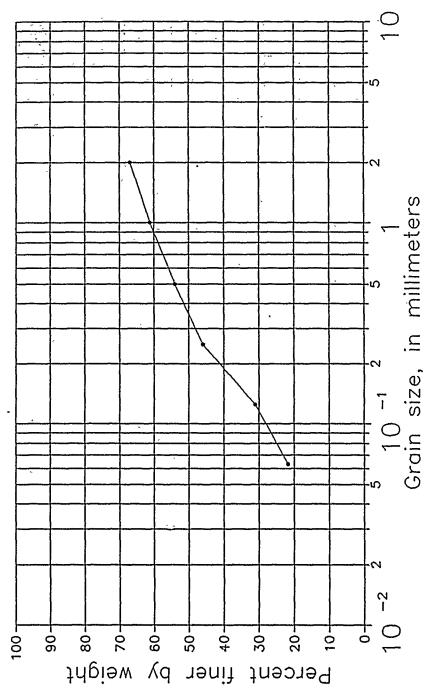
Borehole DANGB-2-MW12A at a Depth of 19.3 to 20.3 Feet.

Percent

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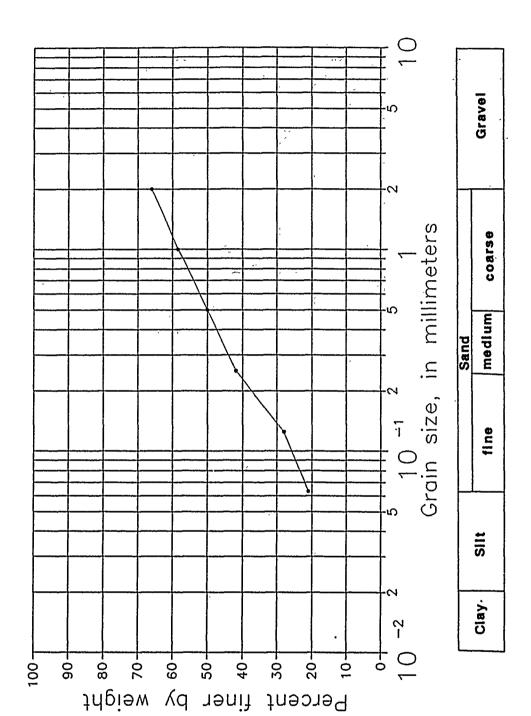
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height

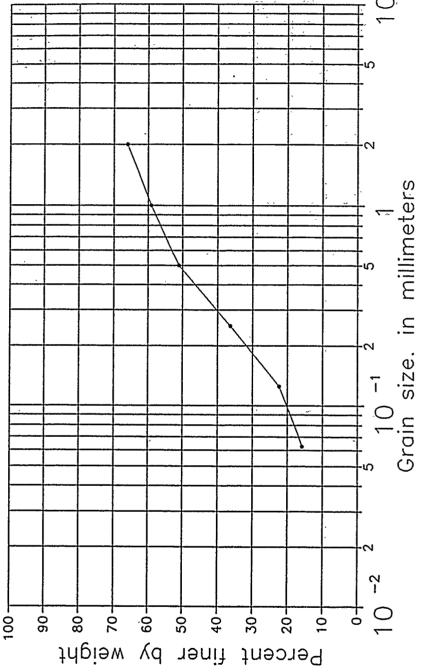


Gravel COBISE medium Sand fine SIII Clay.

Figure K-5 Grain Size Distribution of Soil Sample From Site 3
Borehole DANGB-3-MW25 at a Depth of 0 to 5 Feet.

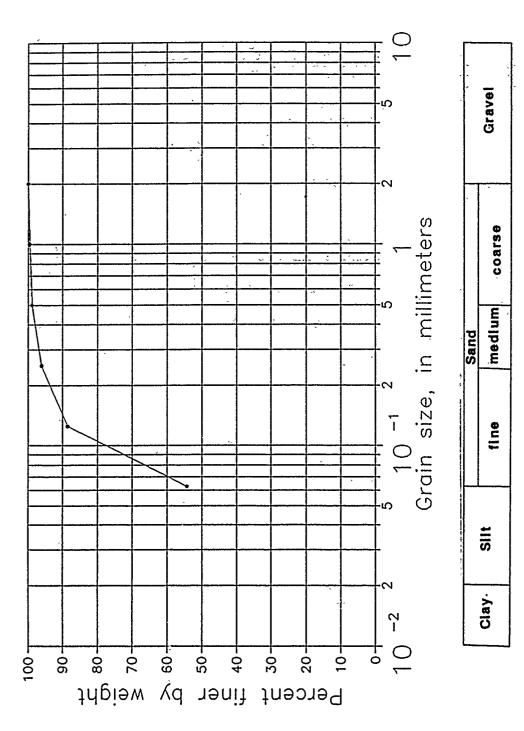


Grain Size Distribution of Soil Sample From Site 3 Borehole DANGB-3-MW25 at a Depth of 5 to 10 Feet. Figure K-6



	Gravei	
,	coarse	
Sand	medium	
3	fine	
	SIIt	
	Clay.	

Grain Size Distribution of Soil Sample From Site 3 Borehole DANGB-3-MW25 at a Depth of 10 to 15 Feet. Figure K-7



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Figure K-8 Grain Size Distribution of Soil Sample From Site 4
Borehole DANGB-4-MW22 at a Depth of 5 to 15 Feet.

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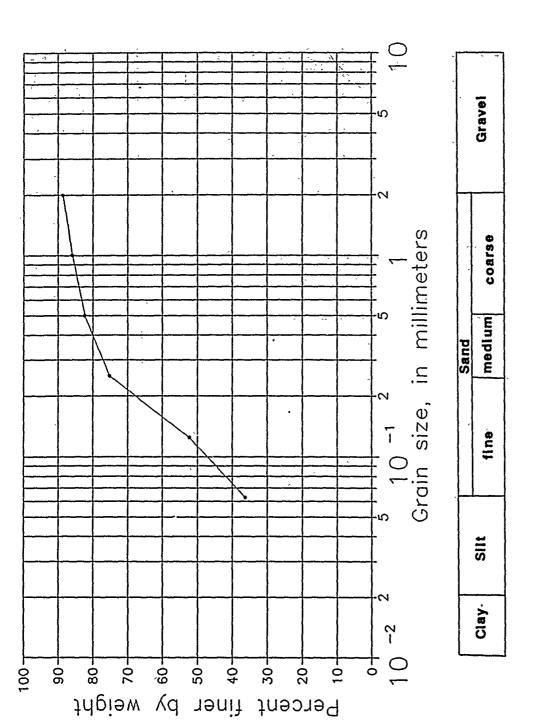
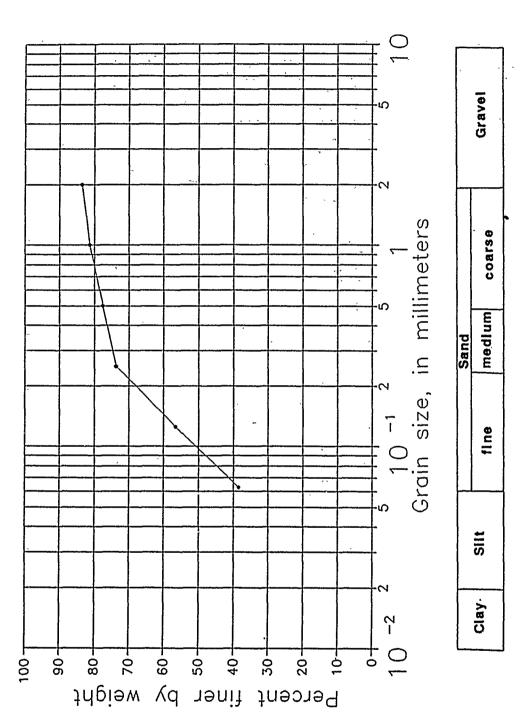


Figure K-9 Grain Size Distribution of Soil Sample From Site 4
Borehole DANGB-4-MW22 at a Depth of 15 to 21 Feet.



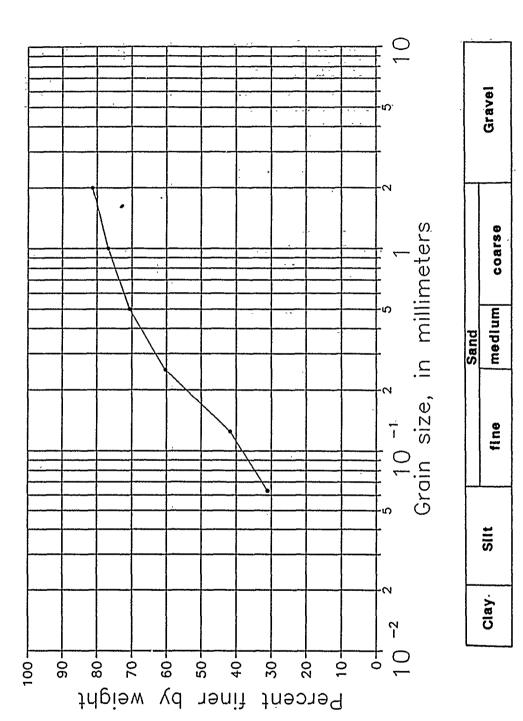
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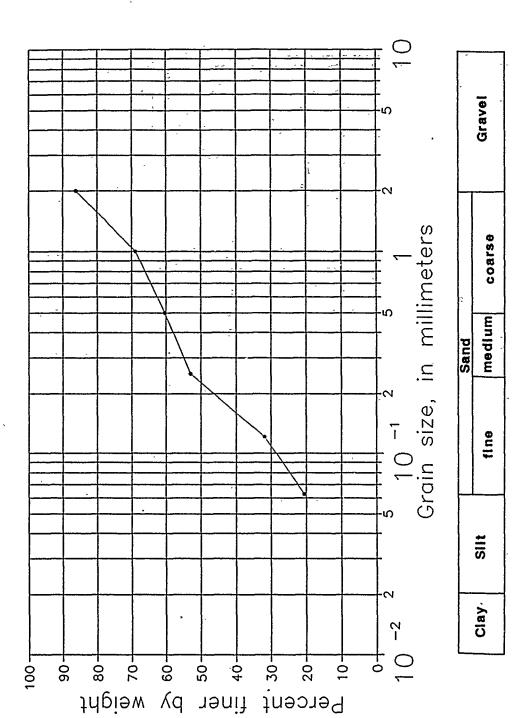
Figure K-10 Grain Size Analysis of Soil Sample From Site 4
Borehole DANGB-4-MW22 at a Depth of 21 to 25 Feet.

ENGINEERING-SCIENCE, INC.

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S M Grain Size Distribution of Soil Sampling From Site 4 Borehole DANGB-4-MW22 at a Depth of 25 to 31 Feet. Figure K-11



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Figure K-12 Grain Size Distribution of Soil Sample From Site 8 Borehole DANGB-8-MW16 at a Depth of 14 to 15 Feet.

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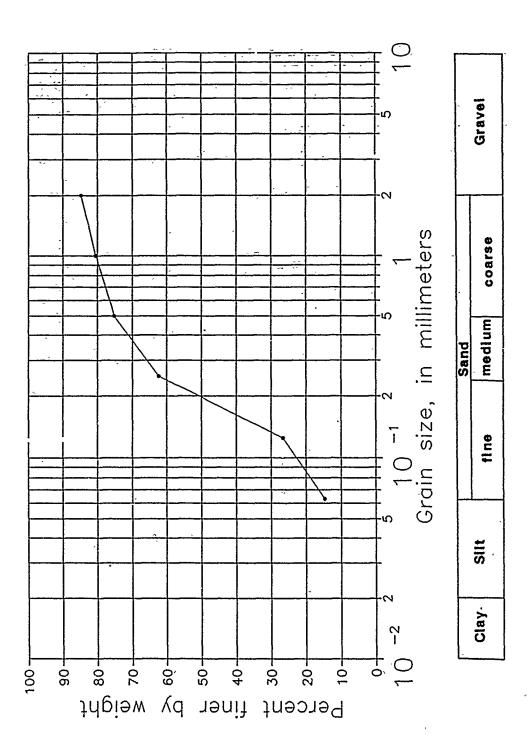
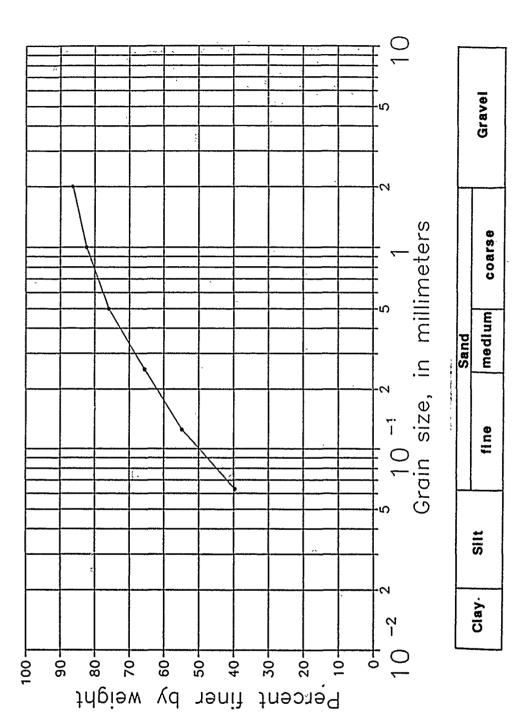


Figure K-13 Grain Size Distribution for Soil Sample From Site 8
Borehole DANGB-8-MW16 at a Depth of 16 to 17 Feet.



Grain Size Distribution of Soil Sample From Site 8

Borehole DANGB-8-MW16 at a Depth of 20 to 21 Feet. ENGINEERING-SCIENCE, INC. Figure K-14

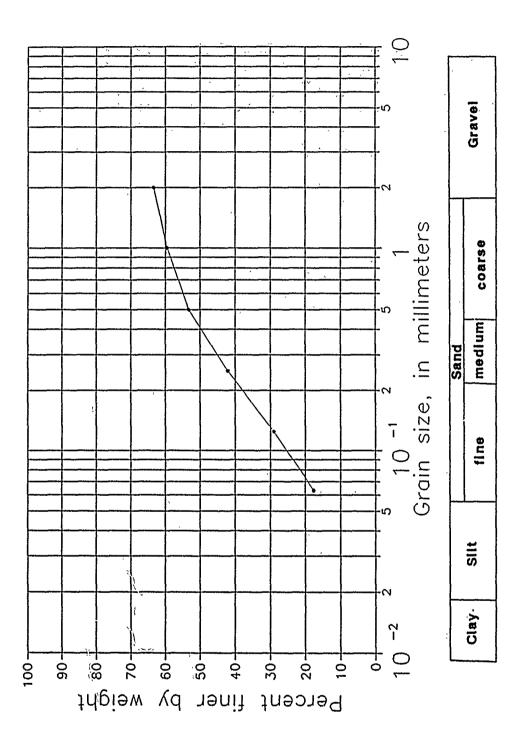


Figure K-15 Grain Size Distribution of Soil Sample From Site 8 Borehole DANGB-8-MW16 at a Depth of 24 to 25 Feet.

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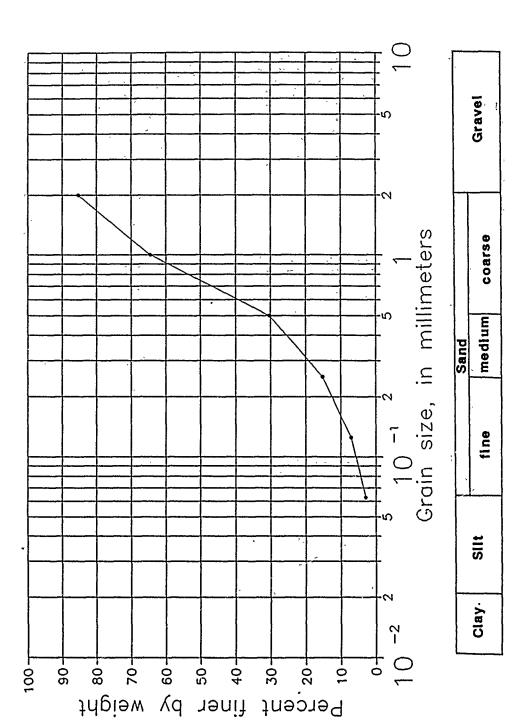


Figure K-16 Grain Size Distribution of Soil Sample From Site 8
Borehole DANGB-8-MW16 at a Depth of 29 to 30 Feet.

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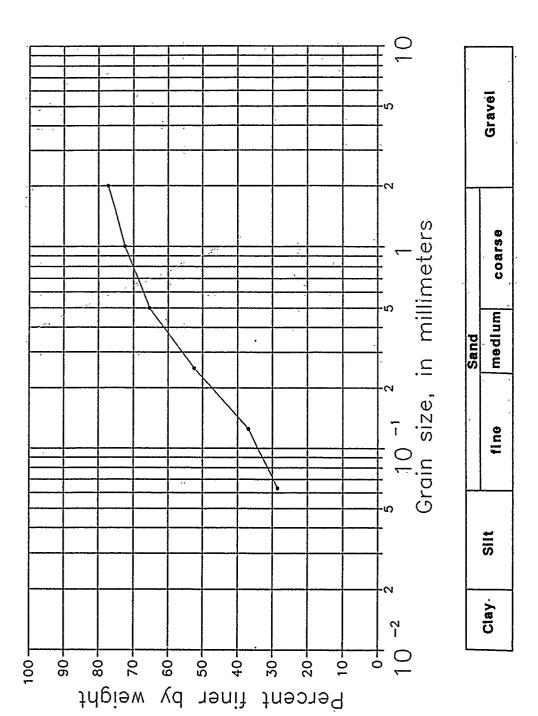


Figure K-17 Grain Size Distribution of Soil Sample From Site 8
Borehole DANGB-8-MW20A at a Depth of 6 to 7 Feet.

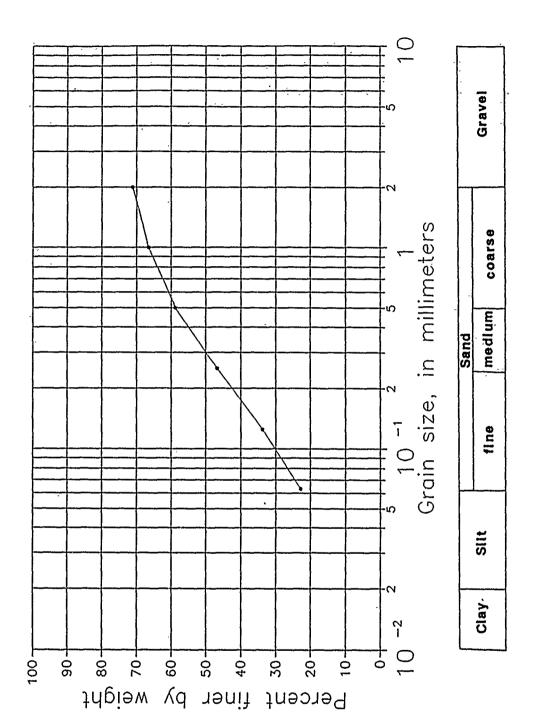


Figure K-18 Grain Size Distribution of Soil Sample From Site 8
Borehole DANGB-8-MW20A at a Depth of 7 to 8 Feet.

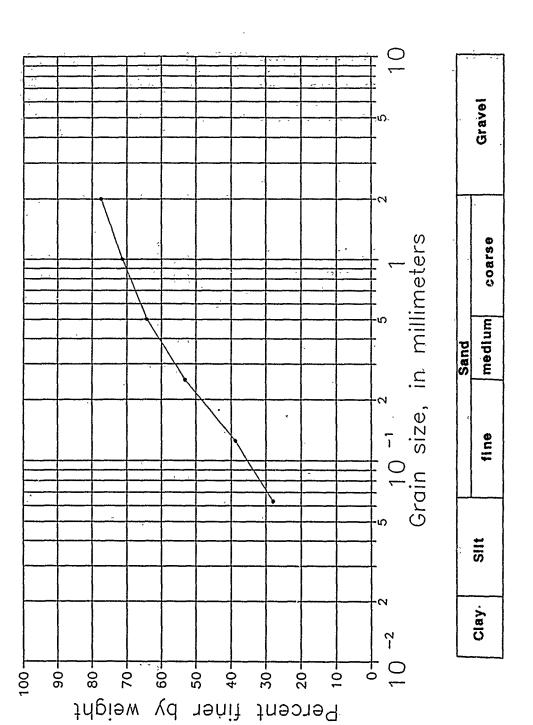


Figure K-19 Grain Size Distribution of Soil Sample From Site 8 Borehole DANGB-8-MW20A at a Depth of 8 to 9.5 Feet.



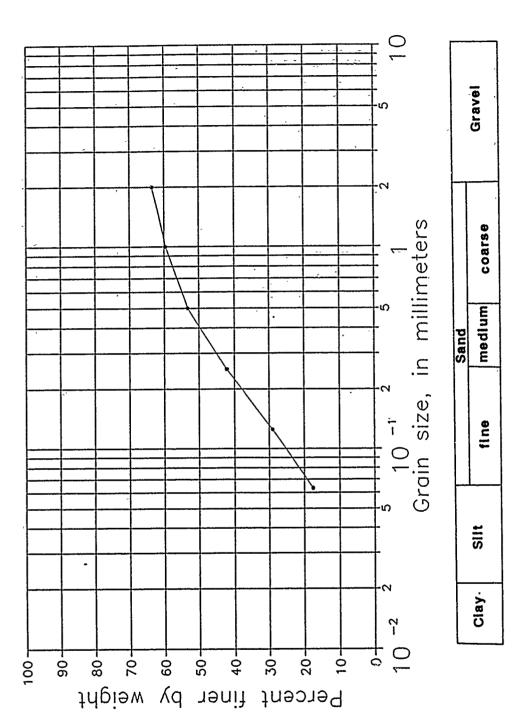


Figure K-20 Grain Size Distribution of Soil Sample From Site 8
Borehole DANGB-8-MW20A at a Depth of 9.5 to 10.3 Feet,

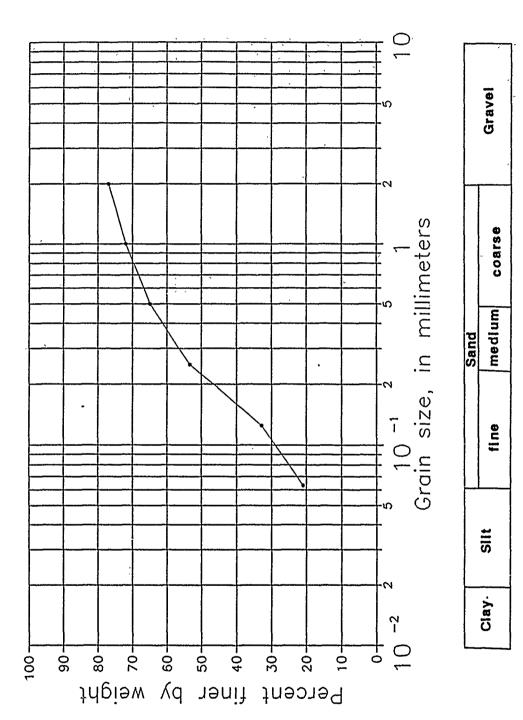


Figure K-21 Grain Size Distribution of Soil Sample From Site 8

Borehole DANGB-8-MW20A at a Depth of 10.5 to 11.5 Feet.

APPENDIX L

CHEMICAL ANALYSES RESULTS FOR

SURFACE WATER, SEDIMENT, SOIL AND GROUND-WATER SAMPLES

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SECTION L.1
INTRODUCTION

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# SECTION L.1 INTRODUCTION

The chemical analyses results for surface water, sediment, soil and ground-water samples are presented in this section.

The results are separated into six groups. There is a group of analyses results for the area sampling locations, and for each of the five sites studied. Each of the groups contains four tables: one each for surface water, sediment, soil, and ground-water samples except for Site 10. There are two tables for Site 10, one for each of the two ground-water sampling rounds.

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SECTION L.2
EXPLANATION OF TABLE ORGANIZATION AND NOMENCLATURE

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### SECTION L2

### EXPLANATION OF TABLE ORGANIZATION AND NOMENCLATURE

Each table in this appendix is a matrix which consists of more samples (columns) and more analyses (rows) than can be presented on a single sheet of paper. The method of presentation used is that for a specific set of parameters (rows) the results for all the samples analyzed (columns) is presented. The table continuation pages are numbered 1A, 1B, 1C, etc. for this first set of parameters. For the next set of parameters, the results are given for all the samples analyzed. These table continuation pages are numbered 2A, 2B, 2C, etc. This scheme is repeated until all the parameters are listed and all the results given for them. The physical pages themselves are numbered sequentially as they appear in this appendix.

The following nomenclature is used in the tables.

Parameter: Parameter for which the analysis was performed.

Method Detection Limit: The minimum concentration of a substance that can

be measured and reported with 99 percent

confidence that the true value is greater than zero.

Analysis Method: The method used by the laboratory to do the

analysis. The methods are those described in EPA,

1988.

Location: The sampling location identifier.

Sample Depth: The depth below ground surface at which the soil

sample was taken, in feet.

Date Sampled: The sampling date.

Field Sample ID: The alpha-numeric identifier assigned to the sample.

Laboratory Sample No.: The numeric identifier assigned to the sample by

the laboratory.

Note: Symbology used in each specific table is explained in footnotes at the end of each table.

TABLE L-1 BACKGROUND MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA

# SUMMARY OF CHEMICAL ANALYSES FOR SURFACE WATER SAMPLES (Results in micrograms per liter unless otherwise noted.)

	Method	Location/QC No.	St.1	St.1 Fili-	SIZ	SL3	SLA	SLADUP	SIS	IET
	Detection	Date Sampled:	9-24-88	9-24-88	9-24-88	9-24-88	9.23-88	9.23-88	9.23.88	9.24-88
	Cimit	Field Sample No. DANGB-BG-SL1-SW-1	1G-SI.1-SW-1	DANGB-FBI6 DANG	DANGB-FBI6 DANGB-BG-SL2-SW-1 DANGB-BG-SL3-SW-1		DANGB-BG-SLASW-1 DANGB-BG-SL25-SW-1 DANGB-BG-SL5-SW-1	OANGB-BG-SL25-SW-1 1	JANGB-BG-SLS-SW-1	DANGB-TB12
rarameter and Analysis Method		Lab Sample No.	K8072088	88002003	88092095	88092696	88092677	88092678	88092681	88092697
HALOGENATED VOLATILE ORGANICS (SW 8010)	NICS (SW 8010)	•		×			•		•	-
Data Package			9#	9/	9#	9#	"	•	₹	9.
Benryl Chloride	050		כ	ב	D	כ	n	בְ	,	5
Bis(2-chloroethoxy)methane	8,0		n	n	n	ם	ņ	n	- 3	~ <b>D</b>
Bis(2-chloroisopropy1)ether	5.0		ב	ם	ם	ם	.Σ	Ω	ב	ā
Bromobenzene	05.0		כ	Þ	ב	ם	D	Þ	ח	ם
Bromodichloromethane	0.10		ב	ם	ח	ם	n	J.	<b>&gt;</b>	D
Bromoform	0.20		כ	ח	ח	ם	÷	Ú	<b>ɔ</b>	28
Bromoethane	12		כ	כ	n	מ	n	ח	ם	D
Carbon Tetrachloride	0.12		כ	Þ	n	ב	n	ח	D	<b>ح</b> ر
Chloracetaldehyde	20.0		ם	ח	ח	ם	n	· •		ם
Chlorat	800		ם	ם	ם	ם	ם	ב	ם	ב
Chlorobenzene	0.25		ם	כ	ם	ם	ם	ח	ם	ם
Chloroethane	0.52		ב	ח	n	ם	ם	ח	Þ	D
	900		ח	4.2 B	ח	ם	, ,	. <b>c</b> .	D	n
	0.50		כ	n	ם	ם	Ð	. 5	Þ	,
2 2-Chloroethy, Vinyl Ether	0.13		ם	מ	n	Ω	ם	ם		ם
	80'0		ສ	ח	n	ם	ם	n	D	<b>&gt;</b>
Chloromethyl Methyl Ether	5.0		ב	מ	Þ	D	Φ.	<b>D</b>	Đ	
Chlorotoluene	0 <del>,</del> 0		ח	ם	n	ם	. 5	Ċ	ם	Þ
Dibromochloromethane	60'0		ב	ם	ם	Ď	ם	O	ם	C+
Dibromoethane	050		ח	מ	n	ם	ם	. 3	ח	Ć
1,2-Dichlorobenzene	0.15		ם	n	ם	ם	ם	Έ	n,	ם
1,3-Dichlorobenzene	0.32		ם	ח	D	Ð	ם	O	D	D.
1,4-Dichlorobenzene	77		<b>5</b>	D	ח	ם	Ð	ם	D	Þ
Dichlorodifluoromethane	1.8		>	ח	Þ	ם	ב	Ω	<b>5</b>	Þ
1,1-Dichloroethane	0.07		ם	ם	ם	ב	D	Ω	D	Þ
1,2-Dichloroethane	60.0		<b>&gt;</b> :	י כ	<b>D</b> :	ם :	ם י	Ω.	Ð	ָב <u>י</u>
1,1-Drchloroethene	0.13		⊃:	<b>&gt;</b> :	<b>:</b>	: כ	)	ם:	<b>&gt;</b> ;	Þ.
Trans-1,2-1,1cmoroconcoc	01.0		<b>&gt;</b> :	<b>-</b> :	o ;	o ;	<b>ɔ</b> :	<b>)</b>	<b>)</b>	0 ;
Deniordinane	9 3		<b>-</b> :	# F	<b>ɔ</b> :	8 69 18	⊃ :	<b>5</b> ;	⊃ ;	S 150
to Drenkstopropane	<b>5</b> 000		<b>&gt;</b> :	<b>&gt;</b> :	<b>&gt;</b> :	<b>&gt;</b> ;	<b>,</b>	o :	<b>&gt;</b> :	o:
La-Dienioropropyiene	<b>7</b> 5		<b>ɔ</b> ;	<b>&gt;</b> :	<b>)</b>	<b>)</b>	<b>)</b>	<b>D</b> .:	<b>;</b>	<b>5</b> ;
1,1,2,2. Tetrachloroethane	500		<b>)</b>	<b>&gt;</b> 1	ם :	o i	Đ	D :	<b>5</b>	<b>&gt;</b>
1,1,1,2-Tetrachloroethane	8		Þ	Þ	D	n	⊃-	n	<b>ɔ</b>	<b>&gt;</b>
Tetrachloroethene	0.03		ב	ח	ລ	ב	, c	ח	<b>a</b>	Þ
1,1,1-Trichlowethane	0.03		⊃	n	Ð	, n	D	D	Ð	Þ
1,1,2-Trichloroethane	0.02		כ	<b>-</b>	ם	ח	n	ם	ח	Ξ.
Trichloroethene	0.12		ם	Þ	Ð	D	n	D	D	<b>.</b>
Trichlorofluoromethane	050		ם	ם	Ω	n	D	ח	ח	n
Trichloropropane	0.50		<b>5</b>	<b>-</b>	Þ	ם	D	ם	n	<b>&gt;</b>
Vinyl Chloride	0.18		מ	ם	ם	Ω	n	מ	ລ	ם

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M Dete		C No. SL1 npled: 9-24-88	SL1 FB 9-24-88	B SL2	SL3 9-24-88	SL4 9-23-88	SLA DUP 9-23-88	.5.IS. 88-62-6	TB1 9-24-88
Parameter and Analysis Method	Limit Freid Sample No.: Lab Sample No.:	Field Sample No.: DANGB-BG-SLI-SW-1 DAN Lab Sample No.: 88092694	DANGB-FB16 8902698	4GB-FB16 DANGB-BG-S12-SW-1 DANGB-BG-S13-SW-1 88072098 88072095 88072096	DANGB-BG-SL3-SW-1 88092696	DANGB-BG-SLA-SW-1 DANGB-BG-SL25-SW-1 DANGB-BG-SL5-SW-1 88092677 88092678 88092678	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	INGB-BG-SL5-SW-1 88092681	DANGB-TB12 88092697
AROMATIC VOLATILE ORGANICS (SW 8020)	6			•	•		•		
Data Package		9.	•	9# 9	9.4		1,	Ţ	9
Benzene	62			ח	18	מ	, 5		=
Chlorobenzene	07	ב	-	מ	ב	· D	ם ס	) =	, ,
1,2-Dichlorobenzene	2	Þ	_	ח	כ		) D	) <b>=</b>	=
13-Dichlorobenzene	70	ב	-	D C	כ	D	· >	· >	· =
1,4-Dichlorobenzene	63	ב	-	ח	5	· D	· •	· =	) <b>=</b>
Ethyl Benzene	07	ם	_	ח	ב	5	ם	ı. <del></del>	=
Tolucne	07	ח	_	J U	61	ב	· 13	=	) =
Total Xylenes	3	>	_	ח	; <b>&gt;</b>	כי	) D	) D	ם מ

Table L-1 Background - Surface Water Page 3

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	Method			SL2	EIS		SLA DUP	SIS	更
	Detection	Date Sampled: 9.24.88		9-24-88 9-24-88 9-24-88 9-24-88	9.24.88		9.23.88	9.23.88	9.24.88
Parameter and Analysis Method		Lab Sample No.: DANGB-BU-SLI-SW-1	i	8807095 8807095	1.000.000.000.000.000.000.000.000.000.0	DANGIF-BG-5L4-5W-1 88092677 88092678 88092681	MANGIB-13 G-25, 25-5 W-1 88092678	MANGB-BG-SLD-S W-1 88092681	88092697
SEMI-VOLATILE ORGANICS (EPA 625)	9				•				
Data Package		9#		9/	£1.4	11	,	1.	
1,3-Dichlorobenzene	2	ä	N N	5	5		ລັ	5	N.
1,4-Dichlorobenzene	0	ñ		5	ñ	ñ	5	5	N.
Hexachlorocthane	2	ij		5	5	ລ	ä	ភ	N.
Bis(2-chloroethy1)ether	9	ñ		5	5	ñ	ā	5	N.
1,2-Dichlorebenzene	2	5		5	in .	ia	in	õ	NR
N-Nitrosodimethylamine	2	5		5	ä	5	5	ñ	NR.
Bis(2-chloroisopropy1)cther	2	5		5	5	ອ	ສ	ñ	XX.
N-Nitrosodi-n-propylamine	2	5		5	5	5	5	5	ጸጸ
Hexachlorobutadiene	2	5		5	ລັ		5	5	XX.
1,2,4.Trichlorobenzene	2	5		ñ	ັລ		ລັ	ភ	N.
Nitrobenzene	2	5		5	5	5	ñ	Ð,	ĸ
Isophorone	2	in		5	5	5	5	5	NR
Naphthalene	2	5		5	ñ		ñ	5	X.
Bis(2-chloroethoxy)methane	2	5		5	5		ລ	5	N.
	0	5		5	5	5	ā	Ŝ	N.
Il Hexachlorocyclopentadiene	2	5		5	5		5	ភ	X X
Acenaphthylene	2	5		ö	5	50	5	5	N.
-	2	in	NR	5	5	5	ñ	5	NR RN
Dimethyl Phthalate	10	5		ñ	5	ñ	5	ö	NR.
2,6-Dinitrotoluene	2	ñ		5	5	5	5	ñ	X.
Fluorene	2	5	ፈ ሚ	ă	5	5	S S	5	N.
24-Dinitrotoluene	9	5	ž	5	ñ	5	5	ភ	X.
Dicthyl Phthalate	2	5		5	ភ	5	5	ວັ	X.
N-Nitrosodiphenylamine	2	5		5	5	5	5	5	¥ :
Hexachlorobenzene	2	5	z i	5	<b>5</b> ;	5	5 :	5 :	¥ !
Phenanthrene	2		ž	5	<b>5</b>	5	5	5 ;	¥ :
, Anthracene	<u>.</u>	5 :	ž !	5	5	5 ;	<b>5</b> ∵:	5 ;	Ž !
Dibutyl Phthalate	<u>e</u> :	5	z i	<b>5</b> :	5 :	5 :	ວີ :	<b>5</b> :	¥ ;
Fluoranthene	≘ :	<b>5</b> :		5 :	5 :		5 :	<b>5</b> :	ž [^] ;
4-Chlorophenyi Phenyi Einer	2 5	5 5	ž ·ž	5 5	5 5	5 2	5 5	5 <b>5</b>	ž
Burd Beard Phibalsic	2 5	5		5 5	5 5		5 5	: E	ž
Bis(2-cthythexyl)phthalate	2	5 5		5 5	5 5		5 5	; <b>5</b>	X X
Chysche	2	5		5	5		ລັ	ñ	N.
4-Bromophenyl Phenyl Ether	0	5		ă	5	ñ	5	5	XX XX
Benzo(a)anthracene	01	5	ž.	5	ä	5	ö	ອ	X.
Di-n-octylphthalate	01	5		5	5	ä	ñ	ö	AN.
Benzo(b)11uoranthene	01	5	¥N	5	5	ö	5	5	XX.
Benzo(k) fluoranthene	10	ñ		'n	5	'n	5	5	X.
Denzidine	8	5		ສ	5	ភ	ñ	ភ	A.
3,3'-Dichlorebenzidine	ន	5		in	5	ភ	ö	ij	X X
Benzo(*)pyrene	9	5	•	5	5	5	5	5	Ř
Indeno(1,23-cd)pyrene	9	n		5	5	ອ	<b>3</b> ,	ä	N.
Dibenzo(a,h)anthracene	2	5		'n	5	5	5	<b>5</b>	Z I
Benzo(ghi)perylene	0	ñ		ö	5	5	5	<b>5</b>	ď.
Benzyl Alcohol	ន	ä	ž	ລັ	ij	5	5	5	XX.

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Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Comp		Detection	Date Sampled:		8 924-88 PANGELEGIST SAWA DANG	9.24.88	9.23.88	9.23-88 JGR.RG.ST 25.5W-1	9.23-88 DANGB.RG.CI S.SW.1	9.24-88 DANGR-TRI2
THE CONTROLING SECTION COST (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN SPACE (CARLA CASE) CANADAN	Parameter and Analysis Method		ł	ſ	8 8002005 8 8002005	8802696	100 1-W-5-W-5-W-1 100 1	88092678	88092681	88092697
1	SEMI-VOLATILE ORGANICS (EFA 62	25) Continued p.	13gc 2				•			
The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	Acetophenone	•				5	5	ñ	ā	RN
Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Colo	Aniline	٠	3			ö	5	5	5	NR
	f-Aminobyphenyl	•	,			5	55	ñ	ສ _ີ	RN
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	Nitrosniline	প্ত				<b>5</b> :	5 :	5 :	5 :	ž
	Nitroso-di-n-butylamine	•	; .			5 <b>:</b>	5 5	5 5	5 5	ž
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15	eptachlor	9	J			5	5	5	5	N.
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	Method	Location/QC No.	SI.1	St.1 FB	SL2	SL3	SIA	SLA DUP	SIS	題
	Detection		9.24-38	9-24-88	9-24-88	9-24-88	9-23-88	9-23-88	9.23-88	9.24-88
	Limit	Field Sample No. DANGB-BG-SLI-SW-1		DANGII-FB16 DAN	GB-FB16 DANGB-BG-SL2-SW-1 DANGB-BG-SL3-SW-1	NGB-BG-SL3-SW-1	DANGB-BG-SLA-SW-1 DANGB-BG-SL25-SW-1 DANGB-BG-SL5-SW-1	DANGB-BG-SL25-SW-1	DANGB-BG-SLS-SW-1	DANGB-TB12
Parameter and Analysis Method		Lab Sample No.: 88	88002004	88092608	88092695	88092696	11926088	88002678	88092681	88092697
SEMINOLATIFE ORGANICS (EPA 69) Continued rate 3	625) Continued to				•	***				-
Chlordane	8		5		5	5	5	Ś	5	R.N.
Methoxychlor	•		5	ZX.	5	5	5	ā	ລັ	XX.
Toxaghene	8		ສ	NR	5	5	ñ	5	in	NR.
Aroctor-1016	8		5	Z Z	5	'n	5	ă		N.
Amelor 1221	8		5	an an	5	5	5	ä		XX.
Aroclor-1232	8		5	NR	5	ñ	ສ	į		NR
Aroclor-1242	8		5	N.	5	5	5	5		NR.
Arrefor-1248	8		5	ž	ä	S	ñ	5	5	N.
Aroclor 1254	8		ສ	N.	ອ	5	ñ	5	ì	XX
Arector 1260	8		5	ž	5	ຸຣັ	ñ	5	5	an an
2-Chloropenol	2		5	NR.	5	ñ	i i	5		X.
2-Nitrophenol	22		5	N.	ສ	ฉ	ö	ñ	5	X.
Phenot	2		5	NR	5	5	5	5	5	K
24-Dimethylphenol	01		5	NR	5	5	ö	5	ö	NR
24.Dichlorobend	2		5	NR	5	5	5	5		AN.
24.6-Tricthorophenol	2		5	NR	ລັ	5	5	5		A.K
4-Chloro-3-methylphenol	8		5	ZZ.	Ė	5	5	ñ		NR.
24-Dinitrophenol	8		5	NR	٦	5	ín	in	ñ	XX.
2.6.Dichlorophenol	•		5	NR	5	5	ñ	5		XX
2-Methyl-4.6-dinitrophenol	8		ລັ	ž	ñ	5	5	ā	5	Ä
Pentachlorophenol	8		5	Z.	ລ	5	5	ñ		X.
4.Nitrophenol	8		5	N.	ລ	5	ë	ອ	Ś	ä
Benzoic Acid	8		ã	≅N	5	ā	in	ă		Ä,
2-Methylphenol	2		5	N.	ຄ	ä	5	5		Æ;
3&4.Methylohenol	2		5	ž	5	ī	5	5	-	ĸ
2.3.4.6-Tetrachlorophenol	•		5	N.	5	5	5	á	5	XX.
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Table L.1 Background - Surface Water Page 6

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	Method		SETI FAB	SIZ	SI3	SIA	SLA DUP	SIS	EET
	Defection	DANGB-BG-S	9-24-88 DANGB-FIB16 DAI	9-21-88 NGB-BG-SL2-SW-1 D	9-24-88 9-24-88 GB-ffb16 DANGB-BG-SL2-58W-1 DANGB-BG-SL3-58W-1	9.23-89 9.23-89 DANGB-BG-SLA-SW-1 DANGB-BG-SLS-SW-1	9-23-88 ANGB-BG-SL25-SW-1 D	9.23-88 ANGB-BG-SL5-SW-1	9.24.88 DANGB-TB12
Parameter and Analysis Method		Lab Sample No.: 88092694	8903008	88092095	88092006	190926TT	88092678	88092681	\$8092697
PESTICIDES AND PCB's (EPA 608)									
Data Package		9,4		9/	9.	Ţ	\$	~	
Aldrin	50.0	מ	ž	ם		=	: =	. :	•
Alpha-BitC	50.0	<b>D</b>	N N	מ		> =	o =	÷ :	X :
Beta-BHC	50.0	כ	ž	ממ	`	2	<b>&gt;</b> =	י ב	¥ i
Delta-DHC	50.0	ם	ž	כס	מ	,	> =	) <u>:</u>	ž
Gamma-BHC	50.0	n	ZZ.	· >	ם ס		> =	<b>2</b> , 0	2 2
Chlorodane	0.5	5	Ň	n	n	· >	=	=	an an
4.A.DDD	0.10	<b>5</b>	ž	ח	ב	2	· =	=	
900:77	0.10	מ	ž	מ	מ	ם	מ	=	2
4.4:DDT	0.10	a	ž	ם	n	Þ	· >	) · =	a X
Dieldrin	0.10	2	ž	ם	ם	ב	Ω	- =	2
Endosulfan I	0.00	<b>¬</b>	ž	כ	ח	ם	כי	כס	N. N.
Endosulfan II	0.10	ב	ž	<b>-</b>	ם	Þ	Ċ	• •	×
Endosulfan Sulfate	0.10	ב	ž	Þ	ם	D	ם י	) D	×
Endrin	0.10	a	ž	ס	ם	Ð	מ	· =	ž
Endrin Aldehyde	0.10	מ	ž	Þ	ם	:: <b>&gt;</b>	ם י	) D	×
feptachlor	50.0	ם	ž	ם	ב	n	· >	ם ס	N.
17 Heptachlor Epoxide	50.0	ם	N.	ם	ם	ח	· >	כס	X
Kepone	0.10	a	ž	ם	ם	ב	Þ	כ	×
Methoxychlor	0.5	a	N.	Þ	2	Ω	מ	מ	X
Toxaphene	10	ב	Z.	ם	ם	ח	ם	Э	Z.
PCB-1016	0.5	ב	Z.	ם	ם	ם	<b>.</b>	ם	N.
PCB-1221	0.5	כ	ž	ם	ם	ם	5	b	NR
PCB-1232	0.5	ם	ž	D	ח	Þ	ס	Þ	N.
PCB-1242	20	ם	Ä	ם	ם	. 🗅	ח	Ď	Z
PCB-1245	٥. د	ב	Ä	ב	ם	כ	n	n.	N. N.
PCB-1254	1,0	ם	NR	ח	ם	D	D	בי	ZZ.
070.1360	•	:	!						

Table L.1
Background - Surface Water
Page 7

. Parameter and Analysis Method	Method Derection Limit	Location/OC No.: Date Sampled: Field Sample No.: Lab Sample No.:	SL1 Date Sampled: 9-24-88 Feld Sample No.: BR09204/8807203/ Lab Sample No.: 8809204/8807203/ P101521	SLI FB 9.24-88 DANGB-FB16 88002098	\$1.2 9.24-88 DANGB-BG-\$1_2-\$W-1 8802605[\$8002164]	SLI FB SL2 SL3 9.24-88 9.24-88 9.24-88 DANGB-FBIG DANGB-BG-SL2-SW-1 DANGB-BG-SL3-SW-1 880269/8802734, P101539 P101530		SLJ DUP 9-23-88 DANGB-11G-51_25-SW-1 88992678/ P101429	SL4 SL4 DNP SL5 SL5 9-23-88 9-23-88 DANGB-BG-SL4-SW-1 DANGB-IIG-SL25-SW-1 DANGB-BG-SL5-SW-1 88072671/ 88072671/ P101427 P101433	TB1 9-24-88 DANGB-TB12 88092697
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	ROCARBONS (EPA 418.1)		;							
Data Pockage Unites mg/L			\$ ₹	ž	9 T	#13 \$1>	* *:		#1 #1 1B < 1	
METALS (Units mg/L)										
Data Padage			13		13	£13	7	•		
Arsenic (SW 7060)	10:0		<0.01	ZZ.	100>	10'0>	10:0>	<0.01	100> <001	N.
Barium (SW 6010)	02		<0.2	Z.	<0,2	<0.2	. <02	<0.2		
Cadmium (SW 7131)	\$000		<0.005	N.	<0.000	<0.00\$	\$00.0>	\$000>	•	•
	100		10.0>	ž i	19'0>	100>	<0.01	<0.01	•	
Mercury (SW 7470)	2000'0		<0.000 <0.0000 <0.0000	žž	<0000 <00000	6.3	<0.005 <0.0002	<0.000 <0.0002	x <0.000 x <0.0002	an .
RADIOLOGICAL PARAMETERS (Uniterper/L)	TERS (UniterpCs/L)									
- Data Package			93#		99#	99#	<b>\$</b>	*	99#. 99#	
	~		*	N	₹	3	^	v	<b>^4</b>	N.
Gross Beta (SW 9310)	•		9>	ZZ.	9>	9>	9>	•	9> 9>	
Radium 226 (SW 9315)	60		<03	N.	<03	<03	<0.7	0.4 + /- 0.2	2 02 + 1-0.2	an An
Tritium (EPA 906.0)	2000		< 2000	N.	< 2000	< 2000	< 2000	< 2000	× × × × × × × × × × × × × × × × × × ×	NR
NITTATES (GPA 353.2)							*			ж
Data Package	•		894		89*	89#	89#	168	.83	
Unite: mg/L	0.02		60.0	N.	0.04	0.74	0.10	0.07	0.69	N.
SPECIFIC CONDUCTANCE (EPA 120.1)	i (EPA 120.1)		0.139	NR.	0.260	0.311	0.338	0.338	8 0.581	NN
Units: mS/cm @ 25 C			0.11		0.205	0 255	0.261	0.261	11 0.458	
TEMPERATURE (EPA 170.1)	•		9'11	NR	7.11I	14.0	, 10.2	10.2	2 11.6	NR
Units C			13,4		13.3	11	14.8	14.8	8 13.4	
pH (EPA 150.1)			959	ž	\$3.9	7.45	7.12	7.12	2 6.77	N.
Units: pH units										
DUP	Duplicate.									
2 (	Field blank									
TB Data Peckage 🗸	Inp blank. Numbers refer to Data Packages in Appendix M.	*ackages in Appendix !	ž							
<b>.</b>	For organic analyses, the	e parameter was detect	For organic analyses, the parameter was detected in the laboratory blank a	k as well as the sam	pple. For metals analyse	s, the reported value is les	is well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit,	ired Detection Limit,		
Z.	The analysis was not requested.	pested.	i				,			
D -	Undetected. The parameter was analyzed for but was not detect. The holding time was microst for his analyzed for his analyzed.	seter was analyzed for l	Underected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit, The bolding time was mired for this analysis. See A paradic N	alue, if given, is the	corrected sample quant	itation limit.				
. •	Less than.	and for this distribution.	or otherwise to							•
+/-	Plus or minus.									

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TABLE L-2 BACKGROUND

MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR SEDIMENT SAMPLES (Results in micrograms per kilogram unless otherwise noted.)

	Method	Well/QC No.	เวร		SI3	SI4	SCA DUF	SIS
	Detection Limit	Date Sampled: Field Sample No.:	9-24-88 DANGII-BG-SLI-SD-1	DANGB-BG-	9.24.88 DANGB-BG-SL3-SD-11	9-23-88 2ANGB-BG-SLA-SD-1 D	9-23-88 ANGB-BG-SL25-SD-1	9-23-88 DANGB-BG-SL5-SD-1
Parameter and Analysis Method		Lab Sample No.:	. 88092733	8807732	88092731	88092673	88002674	88002672
HALOGENATED VOLATILE ORGANICS (SW 8010)	NICS (SW 8010)							
Data Package			128	<b>#</b> 28	128	<b>9</b> 26	#26	126
Benzyl Chloride	050		ם	מ	ח	O	U	D
Bis(2-chloroethoxy)methane	2.0		ח	ח	ם	ב	<b>¬</b>	ם
Bis(2-chloroisopropyl)ether	5.0		מ	ם	ח	Ω	ח	ח
Bromobenzene	0.50		n	ח	מ	n	2	Ω
Bromodichloromethane	0.10		ח	n	מ	ם	Ω	ח
Вготогот	020		כ	ם	Ω	ח	n	ם
Bromoethane	12		ח	מ	מ	ם	n	D
Carton Tetrachloride	0.12		n	ח	D,	ס	D	Ð
Chloracetaldehyde	20,0		מ	ם	n	ם	n	Ω
Chloral	20.0		n	ח	ס	ח	2	D
Chlorobenzene	57.0		כ	ב	n	כ	ח	ס
T Chloroethane	0.52		ם	n	>	D	n	D
Chloroform	0.05		ח	ס	D	1.5	ם י	ב
O 1-Chlorohexane	0.50		ם	D	Ω	D	ם	ם
2-Chloroethyl Vinyl Ether	0.13		ח	Þ	ם	>	>	ב
Chloromethane	80'0		מ		>	D	<b>-</b>	ח
Chloromethyl Methyl Ether	5.0		n	מ	ם	ם	Đ	a
Chlorotoluene	050		n	כ	ם	<b>=</b>	ם	<b>2</b>
Dibromochloromethane	60'0		ם	n	ם	D	ם	ב י
Dibromoethane	050		n	ב	מ	י כ	<b>ɔ</b> :	<b>)</b>
1,2-Dichlorobenzene	0.15		ח	כ	ב	Þ	<b>&gt;</b>	ב י
1.3-Dichlorobenzene	032		D		<b>D</b>	Þ	<b>~</b>	ָר ב
1,4-Dichlorobenzene	0.24		כ	<b>&gt;</b>	ח	D T	n :	<b>D</b> :
Dichlorodifluoromethane	1.8		ח	ח	n	כ	n :	: C
1,1-Dichloroethane	0.07		מ	a	<b>P</b>	P	<b>&gt;</b> :	D :
1,2-Dichloroethane	0.03		ח	<b>a</b>	<b>.</b>	<b>&gt;</b> :	<b>)</b>	<b>&gt;</b> :
1,1-Dichloroethene	0.13		ם	a	ם	<b>&gt;</b>	<b>&gt;</b> :	<b>:</b>
Trans-1,2-Dichloroethene	0.10		ב		Ω	ָב י	ב	<b>D</b> :
Dichloromethane	270		310	60 B	0.77 B	45 B	SS	62 B
1,2-Dichloropropane	9.0		<b>a</b>	Þ	Ð	<b>&gt;</b>	<b>5</b>	<b>)</b>
1,3-Dichloropropylene	त <u>न</u>		Ω	5	<b>&gt;</b>	Þ	<b>5</b>	Þ
1,1,2,2-Tetrachlorocthane	0.03		n	D	ם	Þ	D	Ď
1,1,1,2.Tetrachloroethane	0.50		•	D	ב	ח	5	Þ
Tetrachloroethene	0.03		ח	D	ם	<b>&gt;</b>	Þ	>
1,1,1-Trichloroethane	0,03		ם	כ	מ	<b>&gt;</b>	2	a
I,I,2-Trichloroethane	0.02		ח	n	Ω	D	ח	Þ
Trichloroethene	0.12		n	n	Ω	ב	<b>¬</b>	>
Trichlorofluoromethane	0.50		n	Ω	ם	Þ	<b>-</b>	Þ
Trichloropropane	050	•	ח	n	ם	n	<b>&gt;</b>	>
Vinyl Chloride	0.18		•	n	ח	Þ	ם	<b>¬</b>

Table L.2

Background - Sedime

	Method	Well/QC No.: Date Sampled:	St.1 9.24.88	SL2 9-24-88	SI.3 9-21-88	SI.3 1-24-88	SLZ-8	SL4 DUP 9.23 88	
Parameter and Analysis Method	Limit	Field Sample No.:	DANGB-BG-SL1-SD-1	nmpie No.: DANGB-BG-SL1-SD-1 DANGB-BG-SL2-SD-1 DANGB-BG-SL3-SD-1 D	DANGB-BG-SL3-SD-I 88092731	D-I DANGB-B	G-SL4-SD-1 DAN 88092673	GB-BG-SL25-SD-1 88072674	
AROMATIC VOLATILE ORGANICS (SW 2020)	% (sw 2020)								
Data Padage			128	128		<b>1</b> 38	<b>\$</b> 26	1.78	
Benzene	0.2		ם	ם		כ	ם	D	
Chlorobenzene	07		<b>5</b>	5		ם	ם	ב	
1,2-Dichlorobenzene	۲°0		<b>a</b>	5		ם	ב	ב	
1,3-Dichlorobenzene	3		ב	D		n	ם	n	
1,4-Dichlorobenzene	60		ם	5		n	ח	כ	
Lihyl Denzene	07		<b>&gt;</b>	<b>¬</b>		<b>5</b>	n	ח	
Toluene	07		ח	D		ם	ח	ם	
Total Netence	70			14		:	:	=	

Table L.2 Background • Sediment Fage 3

	Perentian	Date Sampled	0.24 88	6.24.88	0.24.38	7	0.23.88	9.73.88	× 77.5
Parameter and Analysis Method	Limit	Field Sample No.:	DANGB-BG-SI	DANGB-BG-SL2-SD-1 88092732	DANGB-BG-SI3-SD-I DANGB-BG-SI4-SD-I DANGB-BG-SI2-SSD-I 88002673 88002674	ANGB-BG-SLA	8892673		DANGB-BG-SL5-SD-1 88092672
SEMI-VOLATILE ORGANICS (SW 8270)	(Q								
Data Package			128	3 428	128		426	\$26	4.76
1.3-Dichlorobenzene	330		ö	ñ	ā		ñ	ō	Ď
1.4.Exchlorobenzene	330		ñ	Th	5	•	5	ä	õ
Herachloroethane	330		ភ		5		, 5	5	ភ
Bis(2-chloroethy1)ether	330		5		5		ñ	5	5
1,2-Dichlorobenzene	æ		5	5	5		໊	ລ	ā
N-nitrosodimethylamine	330		5	ה	5		5	ij	5
Bis(2-chloroisopropy1)ether	330		ñ	5	ñ		5	ij	5
N-Nitrosodi-n-propylamine	330		5	5	5		is	5	ī,
Hexachlorobutadiene	33		5	5	5		5	5	Ď
1,24-Trichlorobenzene	330		5	50	i		ñ	5	5
Nitrobenzene	330		5		in		5	5	ö
Esophorone	330		ñ	<u>ت</u>	ö		ij	5	5
Naphthalene	330		5		ສ		5	5	5
Bis(2-chloroethoxy)methane	330		Ħ		5		5	ñ	j ,
2-Chioronaphthalene	330		ñ		5		ä	5	ö
	330		ň		5		ຸສ	ij	5
	330		5		5		5	5	5
2 Accusphthene	330		5	5	5		ö	5	5
	330		5		'n		ຣັ	ö	5
26-Dinitrotoluene	330		5		ā		ī	5	<b>5</b>
Fluorene	330		ä		5		ij	5	<b>5</b>
2.4.Dinitrotofuene	330		5		5		5	<b>5</b> :	<b>5</b> :
Diethyl Phihalate	330		<b>5</b> 1		<b>5</b> 1		<b>5</b> :	5 :	5 :
N-Nitrosodiphenylamine	330		5		5		<b>5</b> :	5 ;	5 :
Hexachlorobenzene	క్ష		5		5		ភ :	<b>5</b> :	5 :
Phenanthrene	330		5	••	5		5	5	5 :
Anthracene	33		5		5		5 :	5 :	5 :
Dibutyl Puthalate	330		3		5		<b>5</b> :	5 ;	5 <b>:</b>
Fluoranthene	330		: ב	-	5		<b>5</b> :	5 :	5 :
4-Chlorophenyl Phenyl Ether	330	•	<b>5</b> :		5 :		<b>:</b>	5 5	5 5
Pyrene	330		<b>5</b>	•	5 :		5 :	5 5	ë
Buryl Benzyl Phihalate	330		5		<b>5</b> ;		<b>5</b> :	<b>5</b> :	3 5
Bis(2-ethylbexyf)phthalate	330		67.		5		5 :	<b>5</b> :	; ;
Chrysene	330		<b>5</b>	•	5 :		5 :	5 3	5 E
4.Bromophenyl Phenyl Ether	330		5		<b>5</b> ;		<b>5</b> ;	<b>5</b> :	5 :
Benzo(a)anthracene	330		5		5		5 i	5 :	5 :
Di-n-octylphthalate	330		<b>5</b>		5		<b>5</b> :	5 :	5 :
Benzo(b)fluorenthene	330		ij		5		5	5	5 ;
Benzo(k)fluoranthene	330		ä		5		ö	5	<b>:</b>
Benzidine	2000		ສ		ă		<b>:</b>	<b>5</b>	5.1
3.3.Dichlorobenzidine	000		ອ		<b>5</b> .		<b>5</b> :	<b>5</b> :	5 :
Benzo(a)pyrene	330		5		ಕ [್]		5	<b>5</b>	5 :
Indeno(1,2,3-cd)pyrene	330		5		5		5	5	<b>5</b> :
Divenzo(a,h)anthracene	330		5		5 .		5	<b>5</b> ;	j ;
Benzo(ghi)perylene	330		S		5		Ë	5	5
									;

Table L.2 Background - Sediment Page 4 ,

(verbrex)

Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided   Provided		Method	Well/OC No:	SU	SL2	E13	SLA	SIA DUP	SIS
Parameter and Analysis Method         Lab           SEMI-VOLATILE ORGANICS (SW 8270) Continued page 2         Acetophenone           Analine		Detection Limit	Date Sampled: Field Sample No.: D/	9.24.88 ANGB-BG-SLI-SD-1	9-24-88 DANGB-BG-SI 2-SD-1 D	9-24-88 ANGIERG-ST3-SD-1 DANG	9-23-88 B-BG-SI 4-SD-1	9-23-88 DANGR-BG-SI 25-SD-1	9-23-88 DANGR.RG.CI 5.CD.1
### SEMILYOLATHE ORGANICS (SW 8209) Continued page 3  Admission of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of Actor of	Parameter and Analysis Method		Lab Sample No.:	88072733	8807732	88002731	88092673	88092674	88092672
Animal         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11 <th< td=""><td>SEMI-VOLATILE ORGANICS (SW &amp;</td><td>270) Continued p</td><td>18gc 2</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	SEMI-VOLATILE ORGANICS (SW &	270) Continued p	18gc 2						
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Hirobenzene	Pentachlorobenzene	•		5	5	5	ö	5	Ď
1	entachloronitrobenzene	•		5	ö	ä	ñ	ñ	5
Hornebenzene	henacetin	•		5	õ	5	ວັ	5	5
Horobenzen	Picoline	•		5	5	5	5	5	5
Hornebenzene	ronamide	•		5	5	ີ່ ວັ	5	5	5
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10   01   01   01   01   01   01   01	Npha-BHC	•		ö	5	5	5	5	5
530   UI	Jamma-BHC	•		5	ñ	5	ລັ	ລ	5
330 UI UI UI UI UI UI UI UI UI UI UI UI UI	Jeta-BIIC	98		5	ñ	5	ö	ñ	Ş
500     401     401     401       330     401     401     401     401       500     401     401     401     401       1000     401     401     401     401       1000     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401       101     401     401     401     401     401       101     401     401     401     401     401     401       101     401     401     401     401     401	leptachlor	330	•	5	5	ສ	5	ņ	5
330 U.) U.) U.) U.) U.) U.) U.) U.) U.) U.)	Delta-BHC	8		5	5	ñ	ö	ö	-5
poxide         330         U!         UI         UI         UI           500         UI         UI         UI         UI         UI           1000         UI         UI         UI         UI         UI           1000         UI         UI         UI         UI         UI           11         SX0         UI         UI         UI         UI         UI           11         SX0         UI         UI         UI         UI         UI           12         VA         UI         UI         UI         UI         UI           12         XX0         UI         UI         UI         UI         UI           13         XX0         UI         UI         UI         UI         UI           14         XX0         UI         UI         UI         UI         UI	Mdrin	330		ö	5	ñ	5	ā	į
S0	leptachlor Epoxide	330		ö	5	5	5	5	5
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SSO         UI         UI         UI         UI           830         UI         UI         UI         UI           dehyde         -         UI         UI         UI         UI           ifone         -         UI         UI         UI         UI           e         2000         UI         UI         UI         UI           hlor         -         UI         UI         UI         UI	Indosulfan II	•		5	5	ສ	5	ສ	ä
830 US US US US US US US US US US US US US	IA' DDD	8		5	5	ñ	ö	5	5
164 1000 US US US US US US US US US US US US US	(,4-DDT	83		ñ	ñ	ö	5	5	5
2000 10 10 10 10 10 10 10 10 10 10 10 10	Endosulfan Sulfate	0001	-	5	5	5	5	5	5
	Endrin Aldchyde	•		ă	ö	5	5	ລ	<b>3</b> .
	Endrin Ketone	•		ö	ö	ສ	5	5	ä
55 55 55 55 55 55 55 55 55 55 55 55 55	Chlordane	2000		5	5	۳ ۲	5	ö ,	ñ
	Methovychlor	•		ä	5	<u> </u>	5	5	5

Table L-2 Background - Sediment Page S

	Method	Well/OC No.	SL1	SIZ	SI3	SLA	SIA DUP	SIS	
	Detection	Date Sampled: Field Sample No.: DA	9-24-88 NGB-BG-SL1-SD-1	Date Sampled: 9-24-88 9-24-88 9-24-88 9-24-88 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88	9.24-88 NGB-BG-SL3-SD-LDA	9-23-88 NGB-BG-S14-SD-1 DAN	9-23-88 9-23-88 GB-BG-ST 25-SD-1 DAN	9.23.88 GR.ng.er S.ch.1	
Parameter and Analysis Method		Lab Sample No.	88092733	85092732	88092731	88002673	88092674	88092672	
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	8270) Continued p	38c 3			4				
Aroclor-1016	2000		ລ	ñ	ņ	5	5	, ii	
Aroclor-1221	2000		ភ	ລັ	~ <b>5</b>	5	5	ີ	
Aroctor-1232	2000		ñ	5	5	5	ສ	5	
Aroclor-1242	2000		ö	ñ	5	ä	5	5	
Arcclor-1248	2002		5	5	5	ñ	ñ	5	
Aroclor-1254	2002		5	5	ñ	ñ	5	-5	
Aroclor-1260	2000		5	5	5	ñ	ñ	ລັ	
2-Chlorophenol	330		5	5		· 5	5	5	
2-Nitrophenol	88		ö	5	5	5	5	5	
Phenol	330		5	ສ	5	5	5	5	×
2,4.Dimethylphenol	330		5	ສ	5	5	5	5	
2,4-Dichjorophenol	330		.5	5	ñ	5	5	5	
24,6-Trichlorophenol	330		ສ	ລ	ö	5	ō	ā	
4-Chloro-3-methylphenol	93		5	5	5	5	5	ă	
24.Dinitrophenol	0091		5	5	5	5	ä	5	
2,6-Dichlorophenol	•		5	5	5	5	5	5	
2-Methyl-4,6-dinitrophenol	1000		5	5	ñ	Š	5	5	
Pentachlorophenol	1600		5	5	5	5	5	5	
4-Nitrophenol	9001		5	5	ö	5	5	ā	
Benzoic Acid	1600		5	5	in	5	5	. <b>5</b>	
2-Methylphenol	330		ñ	ō	5	ö	ñ	5	
3&4-Methylphenol	330		5	5	5	5	<b>5</b>	5	
2,3,4,6-Tetrachlorophenol	•		õ	5	5	5	ñ	5	
24.5-Trichlorophenol	330		5	5	5	5	ñ	ລ	

Table L-2 Background - Sediment Page 6

Paraceles .

	Detection	Date Sampled: Field Sample No.: DA	9-24-88 NGB-BG-SE1-SD-1	9.24-88 DANGR-IIG-SI 2-SD-1	Date Sampled: 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88 9-23-88	9.23.88 3.86.91 DAN	9-23-88	8-62-6
Parameter and Analysis Method		Lab Sample No.	88092733	88092732	1577(088 1672(088	88002673	8892674 L	MANGB-BG-SLS-SD-1 88092672
PESTICIDES AND PCB's (SW 8080)								
Data Padage		,	128	<b>\$78</b>	128	<b>₹</b> 26	#26	<b>#</b> 26
Aldrin	0.05		ם	n	n	ב	ם	מ
Alpha-BilC	50.0		ם	<b>¬</b>	n	כ	כי	כס
Beta-BIIC	0.05		ח	ח	>	ם	. <b>D</b>	Ď
Delta-BilC	0.05		ב	מ	מ	ם	ם	n
Gamma-BHC	20.0		ם	ב	ר	n	ח	n
Chlorodane	0.5		D	כ	n	ם	ח	כ
4,4'-DDD	0.10		ח	ב	מ	ח	כ	כ
4,4. DDE	0.10		ם	ם	D	ם	ם	Ċ
4,4".DDT	0.10		n	D	n	ם	Ω	ם
Dieldrin •	0.10		ם	ם	Þ	D	ם	, D
Endosulfan I	50.0		>	כ	n	n	ח	U,
Endosulfan II	0.10		ם	D	ח	n	n	כ
Endosulfan Suffate	0.10		ם	ם	ח	ח	Ω	ח
Endrin	0.10		ם	n	ב	`D	D	n
Heptachlor	50.0		ם	n	ב	ב	<b>&gt;</b>	D
Heptachlor Epoxide	50.0		ם	n	ם	ם	ר	ח
Methovychlor	50		ם	D	ב	ם	n	ב
Toxaphene	91		ב	<b>&gt;</b>	ח	כ	Þ	n
PCB-1016	đS		Þ	D	ם	ם	מ	ב
PCB-1221	50		ם י	<b>&gt;</b>	Þ	ם	<b>ɔ</b>	<b>&gt;</b>
PCB-1232	S S		<b>:</b>	<b>:</b>	<b>D</b> ;	<b>&gt;</b> :	<b>⊃</b> .∶	ב ב
FCD-1642	2 5		<b>:</b>	<b>&gt;</b> :	<b>)</b>	<b>)</b> :	⊃ :	<b>:</b>
CD:1648	3 :		<b>)</b>	<b>&gt;</b> :	<b>)</b>	<b>)</b>	<b>&gt;</b> :	0
PCIFESS	0 1		<b>5</b> :	<b>D</b> :	<b>D</b>	<b>D</b>	n	<b>a</b>
PCB-1260	2		n n	D	ב	D	ח	D
TOTAL PETROLEUM HYDROCARBONS (BPA 418.1)	NS (EPA 418.1	•						
Data Package			128	#28	128	#26	<b>#</b> 26	<b>#</b> 26
Units: mg/kg			<100	170	< 100	× 001>	<100	v 100
MOISTURE								
Data Package			• 28	<b>*</b> 28	128	#26	126	126
Units: weight percent			691	33.5	18.3	23.5	15.4	24.3
METALS (Units: mg/kg)			•					
Data Package			128	#28	<b>1</b> 28	126	126	#26
Arsenic (SW 7060)			< 1.2	< 15	< 12 < 12	< 1.2	1.7 B	< 1.2
Barium (SW 6010)			31.4	46.4	363.	, 33.2	29.2	414
Cadmium (SW 7131)			< 0 61	< 0.75	90 ×	< 0.59	< 0.59	< 0.62
Chromium (SW 7191)			12.9 N	155N	11.2 N	163 N	15.1 N	14.2 N
[cad (SW7121)			28.5	210 >	67	oc.	202	0.7
							•	,

Table L/2 Background - Sediment Page 7

Data Package # Numbers refer to Data Packages in Appendix M.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit.

but greater than the Instrument Detection Limit.

N For metals the percentage recovery of the spiked sample was not within the control limits.

S For metals the percentage recovery of the spiked sample was not within the control limits.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

I The holding time was missed for this analysis. See Appendix N.

. The EPA has not yet reported on a method detection limit for this parameter.

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TABLE L-3
BACKGROUND
MINNESOTA AIR NATIONAL GUARD BASE
DULUTH, MINNESOTA
SUMMARY OF CHEMICAL ANALYSIS FOR SOIL SAMPLES

(Results in micrograms per kilogram unless noted otherwise.)

	Method	Location/OC No:	MW32-SS1	MW32 R SS1	MW 32 R SSI-DUP	MW32-SS2	MW32-SS3	MW42-SSI	MW42-SS2	MW42.553
-	Detection		. 23	3	:	11-12	19.20	13	7.8	14.5.15.5
	Cai	Sample Date:	8.23.88	8-31-48	8-31-88	8.23.88	8-20-88	8-18-88	8-18-88	8-18-88
		Field Sample No.	DANGB-BG-MW32-SSI	DANGB-BG-MW32-SS1	DANGB-BG-MW32-SS4 D/	NGB-BG-MW32-SS2 DAN	GII-BG-MW32-SS3 DAN	4GB-BG-MW42-SS1 E	DANGE BG-MW32SSI DANGE BG-MW32SSI DANGE BG-MW32SS4 DANGE BG-MW32SS2 DANGE BG-MW32SS3 DANGE BG-MW42SS3 DANGE BG-MW42SS3	GB-BG-MW42-SS3
Parameter and Analysis Method		Lab Sample No.:	88082186	88092241	88002245	88082187	89082188	88081970	88081968	88081971
IIALOGENATTED VOLATILE ORGANICS (SW 8010)	ORGANIC	S (SW 8010)								
Data Package			142	#46	<b>9</b> 46	442	442	#39.	€¥	, #30
Benzyl Chloride	0.5		כ	כ	n	ò	ה	n	5	מ
Bis(2-chloroethoxy)methane	5.0		Þ	ם	ם	Þ	Þ	כ	ב	Ď
Bis(2-chloroisopropy1)etires	SD		מ	ב	מ	n	n	n	. <b>D</b>	Ó
Bromobenzene	કુ		ח	n	ם	n	n	מ	ם	ם
Bromodichloromethane	0.10		>	ם	n	ס	n	n	ם	ח
Вготобогт	0.20		כ	ם	D	כ	מ	מ	מ	· ⊃
Bromoethanc	12		ם	Þ	ם	Ð	n	ח	ອ	ם
Carbon Tetrachloride	0.12		>	5	ם	ם		<b>ס</b>	ם	כ
Chloracetaldehyde	800		D	2	Ð	Þ	ח	ח	Ð	ח
Chloral	800		•	Þ	ם	ח	כ	ם	ב	כ
- Chlorobenzene	0.25		ם	ם	ח	D	כ	ם	כ	מ
Chlomethane	0.52		ם	ם	ם	n	ם	ח	ב	<b>&gt;</b>
O Chloroform	50.0		כ	ח	ם	n	n	D	D	0.22
1-Chlorohexane	050		ח	Þ	ח	n	Ω	D.	ח	, o
2-Chloroethyl Vunyl Ether	0.13		ם	Þ	ລ	n	D	ב	ם	D,
Chloromethane	800		Þ	ם	Ω	n	ח	D	Ð	ם
Chloromethyl Methyl Faher	SD		>	D	D	Ω	D	D	<b>&gt;</b>	ם
Chlorotoluene	8		ם	ב	ם	D	>	ב	Ð	ב
Dibromochloromethane	60.0		ם :	ם	ם :	ים ב	n :	מ מ	<b>၁</b> :	ລ^:
Distromometicane	જુ		<b>5</b>	5	: c	ם : י	<b>D</b> :	<b>&gt;</b> :	י כ	<b>&gt;</b> 1
1,2-Dichlorobenzene	0.15		<b>&gt;</b> :	<b>D</b> :	e e	<b>D</b> :	: ם	<b>&gt;</b>	D :	: כ
1.3-Dichlorobenzene	032		<b>ɔ</b>	ב ב	ລ	n '	D	<b>D</b>	<b>ɔ</b>	<b>&gt;</b>
L.A.Dichlorobenzene	0.23		ב	ב	ח	Ω	n	n	Þ	ລ
Dichlorodifluoromethane	2.8		ο.	D	כ	ם	ם	n	ລ	ם
1,1-Dichloroethane	0.07		D .	ב	n	n	<b>&gt;</b>	ם	D	ם
1,2-Dizhloroethane	003		ב	ב	ם	D	ח	D	ລ	<b>ɔ</b> ,
1,1-Dichloroethene	0.13		<b>&gt;</b> :	<b>&gt;</b> :	<b>D</b> :	<b>5</b> :	: כ	<b>&gt;</b> :	<b>&gt;</b> :	<b>⊃</b> ∵;
Trans-1.2-Dichloroether.e	0.10		5	0	5	D	ם	0	ָם י	ָר c
Dichloromethane	0.25		4.18	128	0.41 13	408	158	138	0.20 13	2.2 B
1.2-Dichloropropane	8		מ	ח	ב	כ	ם	D	D	•
1.3-Dichloropropytene	70		כ	ם	ם	n	ח	<b>D</b>	<b>D</b> -	ח
1,1,2,2-Tetrachloroethane	000		<b>&gt;</b>	n	כ	Þ	ם	<b>.</b>	ລ	<b>D</b> -
1,1,1,2-Tetrachloroethane	8		ב	D	Ω	Ð	ח	ם	D	ם
Tetrachloroethene	003		ם	Þ	n	D	ם	ב	Ð	ם
1,1,1-Trichlorocthane	0.03		<b>D</b> .	מ	ລ	a	ח	ם	ם	<b>5</b>
1,1,2-Trichlorocthane	0.02		n	ח	n	n	Ď	ם	ם	ם
Trichloroethene	0.12		n	ם	n	n	n	Ð	ם	ח
Trichlorofluoromethane	050		ח	ם	מ	Þ	D	ם	ם	n
Trichloropropane	05.0		ם	D	ח	<b>.</b>	,C	ם	ם	Þ
Vinyl Chloride	0.18		ם	ב	Ω	Ð	ກ	מ	<b>¬</b>	<b>.</b>
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Table L-3
Hackground - Soil
Page 113

		Cample Death (ft):	5.1	>1-71	22.22
	Limit	Sample Date:	1.2 2.1 2.88	24-13	2.12.83
Parameter and Anabeic Method		Field Sample No.	DANGB-BG-WW41-SS1 DANGB-BG-WW41-SS2 DANGB-BG-MW41-SS2 GB-BG-MW43-SS2	DANGIL-BG-MW43-SS3	
			Action 1	///loca	encrossos.
IIALOGENATED VOLATILE ORGANICS (SW 8010)	ORGANIC	(SW 8010)			
Data Package			139	139	139
Renzyl Chloride	0.5		n	ח	מ
Bis (2-chloroetboxy) methane	SS		ס	Ω	<b>a</b>
Bis(2-chloroisopropyl)ether	\$		n	כ	n
Bromobenzene	S,		ח	ח	כ
Dromodichloromethane	0.10		ם	ח	n
Вготогогт	070		כ	ם	n
Bromoethane	17		מ	ח	ם
Carbon Tetrachloride	0.12		ח	ב	n
Chloracetaklehyde	Son		מ	ח	n
Chloral	200		O	ח	ם
Chlorobenzene	27		n	ב	ח
Chloroethane	0.52		ם	כ	ם
Chloroform	0.00		ח	0.12	n
I-Chlorohexane	050		ם	ם	ם
2-Chloroethyl Vinyl Ether	0.13		ח	מ	D
Chloromethane	0.08		Ð	ם	U
Chloromethyl Methyl Ether	5.0		כ	ר	ם
Chlorotoluene	જ		ם	כ	מ
Dibromochloromethane	600		Ò	n	n
Dipromomethane	S,O		Ω	ם	D
1.2-Dichlorobenzene	0.15		מ	>	n
1.3.Dichlorobenzene	032		ח	ח	ח
1,4-Dichlorobeazene	0.24		2	ב	מ
Dichlorodilluoromethane	1.8		ם	ם	D
1.1-Dichloroethane	0.07		D	n	n
1,2-Dichloroethane	003		n	'n	ם
1,1-Dichloroethene	0.13		ח	ר	ח
Trans-1.2-Dichlehene	0.10		מ	ם	D
Dichloromethaye	27.0		3.1 B	4.8 B	7.4 B
1.2-Dichlory ropane	700		ח	ח	ח
3-Dich Kropropylene	63		O	כ	U
1,1,2.Tetrachloroethane	600		5	ח	ם
41,1,2-Tetrachlorocthane	05.0		כ	ח	מ
etrachloroethene	0,03		Ð	<b>¬</b>	n
1,1-Trichloroethane	0.03		ב	ם	ח
1,1,2-Trichloroethane	0.02		ב	ח	n
Trichlorethene	0 12		<b>5</b>	>	ם
Trichlorofluoromethane	0.50		<b>¬</b>	מ	ם
Trichloropropane	050		מ	מ	17
				•	

y	Method Lo	Method Location/QCNo:	MW32-SS1	MW32 R SS1	MW32 R SSI-DUP	MW32-SS2	MW32-SS3	MW42-SSI	MW42-SS2.	MW42-SS3
	Detection Sa	Detection Sample Depth, (ft):	2-3	0-1 0-1	9-1	11-12	19.20	0-1	7.8	145-155
	Limit Sample Date:	mple Date:	83-62-8	8-31-88	8-31-88	8.23.88	8.20.88	8-18-88	8-18-88	8-18-88
	Ę	d Sample No.	Field Sample No. DANGI-BG-MW32SSI DANGIB-BG-MW32SSI DANGII-BG-MW32SSI DANGIB-IIG-MW32SS2 DANGIB-IIG-MW32SS3 DANGIB-BG-MW42SSI DANGIB-BG-MW42SS2 DANGIB-BG-MW42SSI	ANGB-BG-MW32-SSI' L	ANGIL-BG-MW32-SS4 DAN	GB-BG-MW32-SS2 DANG	3B-BG-MW32-SS3 DAN	IGB-BG-MW42-SSI DAN	GB-BG-MW42-SS2 DANG	IB-BG-MW42-SS3
Parameter and Anahysis Method		Lab Sample No.:	88082186	88002244	88092245	88082187	88082188	88081970	89081968	88081971
AROMATIC VOLATILE ORGANICS (\$\times \text{8020})	ANICS (SW 80	(02)								
Data Package			142	146	146	642	1842	\$6#	#39	<b>63</b>
Benzene	07		ח	מ	ם	Ð	5	ס	D	ח
Chlorobenzene	07		ם	ລ	מ	ם	D	מ	n	ם
1,2-Dichlorobenzene	3		כ	ם	ם	כ	, <b>⊃</b>	ם	ח	כ
1,3-Dichlorobenzene	70		כ	2	מ	ב	ם	Þ	n	n
1,4-Dichlorobenzene	63		כ	Þ	ח	ח	Ð	ם	D .	5
Ethyl Benzene	07		ສ	à	מ	ם	ח	n	ລ	D.
Toluene	07		28	ב	0.1	47	33	1.8 B	ח	198 B
Nylenes	80		2	5	כ	ם	. 5	1	=	=

Table L-3 Background - Soil Page 28

	Method	Location/OC No:	MW43-SSI	WW43-SS2	MW43.SS3
	Detection	Sample Depth. (ft):	1:2	14-15	23.24
	Limit	Sample Date:	8-18-88	8-18-88	3 8-18-88
		Field Sample No.	DANGILIIG-MW43-SSI	DANGB-BG-MW43-SS2	FREI SIERPR NO. DANGIFISG-MW43-SSI DANGIFISG-MW43-SS2 DANGIFISG-MW43-SS3
Perameter and Analysis Method	cthod	Lab Sample No.:	86081967	69618083	88081966
AROMATIC VOLATILE ORGANICS (SW 8020)	ORGANICS (SW	(0703)	•		
Data Package			639	630	£ # 39
Benzene	0.2		ב	ב	ם
Chlorobenzene	0.2		ם	•	ם .
1,2.Dichlorobenzene	70		ם	<b>ס</b>	D .
1.3-Dichlorobenzene	70		מ	2	ם כ
1,4-Dichlorobenzene	60		מ	ם	<b>-</b>
Ethyl Benzene	0.2		מ	•	ם
Toluene	0.2		25 B	82.8	1001
Nylenes	70		מ	<b>&gt;</b>	<b>-</b>

Perection Sample Limit Fie Fig. Parameter and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and Analysis Method Laborate and	W	3-Feb 8-29-88		631-88	MW32532 11-12	19:20	MW42551 0-1 8-18-88	7.8 7.8 8-18-88	MW42555 145-155 8/18/88 3B-BG-MW425S3
Limit  Parameter and Analysis Method  SEMIVOLATILE ORGANICS (SW 8270)  Data Package  13-Dichlorobenzene  14-Dichlorobenzene  33  Ilexachlorocelhane  33  Ilexachlorocelhane  34  12-Dichlorocelhane  35  12-Dichlorocelhane  36  12-Dichlorocelhane  31  13-Dichlorocelhane  33		8-23-83		8-31-88	8000	: 8	8-18-88	8-18-88	8/18/88 3B-BG-MW42-SS3
Parameter and Analysis Method SEMIVOLATILE ORGANICS (SW 8270) Data Package 13-Dichlorobenzene 33 14-Dichlorobenzene 33 Ilexachlorocethane 33 Ilexachlorocethale 33 Ilexachlorocethale 33	MAC . ON almost Maria				00.7.0	88-52-88			3B-BG-MW42-SS3
SEMIVOLATILE ORGANICS (SW 8270) Data Package 13-Dichlorobenzne 14-Dichlorobenzne 33 Istachlorochlane 33 Bis(2-chlorochly)ether 33 Bis(2-chlorochly)ether 33	Lab Sample No.	Field Sample No.: DANGB-BG-MW32-SSI DANGB-BG-MW32-SSI Lab Sample No.: 88082186 88992244		DANGII-IBG-MWJ22SS4 DANGII-IBG-MWJ2-SS2 DANGII-IBG-MWJ2-SS3 DANGII-IBG-MW42-SS1 DANGII-IBG-MW42-SS3 DANGII-IBG-MW42-SS3 89092187 88082187 88082187 88082188 88082188 88082188 88082188 88082187 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188 88082188	GB-BG-MW32-SS2 DANC 88082187	GB-BG-MW32-SS3 DAN 88082188	NGB-BG-MW42-SSI DANG R8081970	GB-BG-MW42-SS2 DAN( 80081968	38081971
Data Package  (4-Dichlorobenzene 33 (4-Dichlorobenzene 33 (5-Cachlorochanen 33 (5-Cachlorochanen 33 (5-Cachlorochanen 33	Page 1:	**			,				
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Hexachlorobutadiene 330	0	5	5	ñ	5	5	ö	5	ö
1,2,4-Trichlorobenzene 330	0	in.	ñ	ត	5	ä	5	ö	5
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Naphthalene 330	•	ວັ	ī	ສ	5	5	5	ñ	ñ
Bis(2-chloroethoxy)methane 330	0	5	5	5	ö	ñ	5	ລັ	5
2-Chloronaphthalene 330	•	5	ï	5	'n	ö		5	5
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- September	Soil		Parameter and Analysis Method	SEMIVOLATILE ORGANICS (SW 8279) Page 1 Data Parkage	nzene	nzene	une	nyl)ether nzene	thylamine	spropyt)ether	propylamine	benzene			owlmethane	balene	lopentadiene	ñ		ene.		lene	ate roviamine	12cne				4-Chlorophenyl Phenyl Etter		hthriate Abbhalate	) John Market	4-Bromophenyl Phenyl Ether	acene	alate	anthene	#minene	enzidiné	ň	d)pyrene	viene	. =
F	Table L-3 Background - Soil Page 3B		Parameter an	Data Package	1.3-Dichlorobenzene	1.4.Dichlorobenzene	Hexachloroethane	lis(2-chloroethyl)ether 1,2-Dichlorobenzene	N-Nitrosodimethylamine	Bis(2-chloroisopropyl)ether	N-Nitrosodi-n-propylamine Hevachlonobutadiene	1,2,4-Trichlorobenzene	Nitrobenzene	Isophorone	Naphthalene Bis(2-chloroethow)methane	2-Chloronaphthalene	- Hexachlorocyclopentadiene	Acceptibility of	Acenaphthene Discipul Purheles	2.6-Dinitrotoluene	Fluorene	2,4.Dinitrotoluene	Diethyi phthajate	Hexachlorobenzene	Phenanthrene	Anthracene	Phoneys Phinalate	4-Chlorophen	Pyrene	Buryl Benzyl Phihalate	Chrysene	4-Bromophen	Benzo(a)anthracene	Di-n-octylphthalate	Denzo(o)Huoranthene	Benzidine	33.Dichlorobenzidine	Benzo(a)pyrene	Indeno(1,23-cd)pyrene	Benzo(ghilberylene	Benzyl Alcohol
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Method	ı	MW32-SSI	MW 32 R SSI	MW 32 R SSI-DUP	MW32.SS2	MW32-SS3	MW42-SSĮ	MW42-SS2	MW42-SS3
Detection	Sample Depth, (II): Sample Date:	8.20.88	0-1 8-31-88	0-1 8-31-88	11-12	19-20	0-15 50 15 80	7.8	145.155
Parameter and Anabosic Method	Field Sample No.: DANGI	3-BG-MW32-SSI DANG	GB-BG-MW32-SSI DA	NNGB-BG-MW32-SS4 DAN	GB-BG-MW32-SS2 DANC	GB-BG-MW32-SS3 DA	Field Sample No DANGB-BG-MW32-SSI DANGB-BG-MW32-SS4 DANGB-BG-MW32-SS2 DANGB-BG-MW32-SS3 DANGB-BG-MW32-SS1 DANGB-BG-MW42-SS3 DANGB-BG-MW32-SS1 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW42-SS3 DANGB-BG-MW	GB-BG-MW42-SS2 DAN	GB-BG-M(V42-SS3
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Table L.3 Background - Soil Page 4B

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Each Sample Date: \$118.3	Limiter and Analyzis Method  EMIVÓLATILE ORGANICS (SW 827)  ectophenone niline Aminobypheny Chlorouspithhalene Chlorouspithhalene Dimethylaminoazobent me 12. Qimethylaminoazobent me 22. Divethylphenethylavine 22. Diphenylamine 23. Diphenylamine 24. Divethylphenethylavine 25. Diphenylamine 25. Diphenylamine 25. Diphenylamine 25. Diphenylamine 25. Diphenylamine 25. Diphenylamine 26. Diphenylamine 26. Diphenylamine 27. Marindaliamine 28. Diphenylamine 29. Diphenylamine 29. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphenylamine 20. Diphe	in Sample Depth, (1): Sample Date: Field Sample Not. Lab Sample Not. (2) Continued page 2 (3)	88081927 ANGB-BG-MW43-851 DAN 88081927 UII UIII UIII UIII UIIII UIIII	14-15 8-16-86 8-16-86 8-16-86 8-80-19-96 9-96 9-96 9-96 9-96 9-96 9-96 9-9	MGB-BG-MW49-555 88-881966 88-881966 98-881966 911 911 911 911 911 911 911 911 911
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Table L-3 Background - Soil Page 5A

Method	od Location/OC No:	MW32-SSI	MW32 R SS1	MW32 R SSI-DUP	MW32.SS2	MW32-SS3	MW42-SS1	MW42.SS2	MW42-SS3
Detection	tion Sample Depth. (a):	23	3	6	11-12	19.20	ร	7.8	145-155
Limit		8.29.88	8-31-88	8-31-88	8-22-88	8-22-88	8-18-88	8-18-88	8-18-88
	Field Sample No.: DAN	GB-BG-MW32-SS1 DAN	IGB-BG-MW32-SS1 D/	Fird Sampe No. Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazessi Dangibing-awazess	GB-BG-MW32-SS2 DAN	GB-BG-MW32-SS3 DANG	IB-BG-MW42-SSI DAN	AGB-BG-MW42-SS2 DANG	3B-BG-MW42-SS3
Parameter and Analysis Method	Lab Sample No.:	88082186	88072244	88092215	83082187	89082188	88081970	88081968	88381971
SEMIVOLATILE ORGANICS (SW 8270) Continued page 3	770) Continued page 3					•			
Aroctor-1016	2000	ħ	Þ	ם	5	5	ă	5	ö
Arockor 1221	2000	5	ם	כ	5	ລັ	ä	ā	ñ
Aroctor-1232	2000	5	ם	ח	ö	5	ö	5	5
Aroclor1242	2000	ສ	ם	ח	5	5	5	5	ñ
Arcclor-1248	2000	ä	ס	ם	5	5	5	5	ົລ
Arodor-1254	2000	ä	ם	ם	5	ö	5	õ	ö
Arector 1260	2000	ັລ	ח	פ	5	5	5	ñ	5
2-Chlorophenol	330	5	ם	ם	5	5	5	5	5
2-Nitrophenol	330	5	ם	ח	5	5	5	ລ	5
. Pheno!	330	ñ	ם	ສ	5	5	5	5	ິລ
2.4-Dimethylphenol	330	5	ם	Ð	ij	ö	ñ	ö	5
24-Dichlorophenol	330	5	מ	ם	5	ö	ö	5	<b>5</b>
2,4,6-Trichlorophenol	330	ö	5	ם	5	5	ñ	ñ	5
4-Chloro-3-methylphenol	83	5	ח	=	5	ä	5	5	ä
2,4.Dinitrophenel	1600	5	ם		5	5	5	ñ	ö
2.6-Dichlorophenol		5	ח	״	5	5	5	5	5
2-Methyl-4,6-dinitrophenol	1000	ອ	ח	د.	5	5		54	ñ
	1600	5	כ	ם	ñ	5	ij	.5	5
4-Nitrophenol	1000	ij	ח	D	5	5	5	ວັ	5
Benzoic Acid	0091	5	ם	n	5	5	õ	ö	5
2-Methylphenol	330	5	כ	n	ö	5	5	ö	5
3&4-Meth/phenol	330	ñ	ם	ח	'n	ä	5	5	5
2,3,4,6-Tetrachlorophenol		5	ם	n	5	ā	ö	5	5
2.4.5-Trichlerophenol	330.	5	D	n	ñ	5	ñ	5	5

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Table L-3 Background - Soil Page SB

Me	Method Location/OC No:	MW43-SS1	MW43-SS2	MW43-SS3
Dete	Detection Sample Depth, (ft):	22	14:15	23.24
3	Limit Sample Date:	8-18-88	8-18-88	8-18-88
	Field Sample No.	DANGB-BG-MW43-SS1	Field Sample No. DANGB-BG-MW43-SSI DANGB-BG-MW43-SS2 DANGB-BG-MW43-SS3	DANGB-BG-MW43-SS3
Parameter and Analysis Method	Lab Sample No.:	28081967	69618088	99618088

SEMIVOLATILE ORGANICS (SW 8270) Continued page 3

Aroctor-1016	2000	5	5	ij
Aroclor-1221	2000	5	5	5
Aroctor-1232	2000	ij	ö	ä
Arodor-1242	2000	ij	ă	5
Arector 1248	2000	5	5	5
Arector-1254	2000	ň	ñ	5
, Aroctor-1260	2000	5	5	5
2-Chlorophenol	330	5	ä	5
2-Nitrophenol	330	5	5	<b>1</b> 5
Phenoi	330	5	5	ä
2,4.Dimethylphenol	330	ij	5	ä
2,4.Dichlorophenol	330	5	5	5
2.4.6-Trichlorophenol	330	5	5	ä
4-Chloro-3-methylphen.	099	5	5	ä
24-Dinitrophenol	1600	5	5	5
2.6 Dichlorophenol		5	5	5
2-Methyl-4,6-dinitrophenol	1600	ij	5	5
Pentachlorophenol	1600	ň	5	ij
1 4-Nitrophenol	00)1	ï	5	ij
J. Benzole Acid	1600	5	5	ñ
L 2-Methylphenol	330	ä	5	5
3&4-Methylphenol	330	5	5	ä
2,3,4,6-Tetrachlorophenol	•	5	5	5
2,4,5-Trichlorophenol	330	ສ	5	5

Table L-3 Background - Soil Page 6A

Detection									
		2.3	130		11-12	19.20	1.6	3,2	14.5.15.5
	,	8-22-8	8/11/8	8/31/88	8-29-88	8.23.88	8/18/88	8-18-88	8-18-88
Parameter and Analysis Method	Field Sample No.: DAN	NGB-DG-MW32-SS1 D 88082186	ANGB-BG-MW32-SSI E 8802244	ANGB-BG-MW32-SS4 E 8892245	ANGII-IIG-MW32-SS2 D/ 88082187	Fred Sample No.: Dange-16G-MW32-SS1 Dange-16G-MW32-SS4 Dange-16G-MW32-SS2 Dange-16G-MW32-SS3 Dange-16G-MW42-SS3 GB-BG-MW42-SS1 88081970	DANGB-BG-MW42-SS2 I 88081968	ANGB-BG-MW42-SS3 88081971	
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Data Package		442	446	97#	# 42	#42	#30	<b>♦</b> 30	<b>*</b> 36
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	0	ລ	ດ	n	Ω	ח	n	ב	•
Endosulfan Sulfate 0.1		מ	ח	ם	D	ב	ם	Þ	n .
Endrin 0.10	•	ם	ם	ם	ם	ם	<b>¬</b>	ם	<b>5</b>
Heptachlor 0.05	ú	Þ	n	Þ	ດ	n	0	Þ	ב
Heptachlor Epoxide 0.05	ψ,	ם	ח	ח	ם	<b>&gt;</b>	ח	n	<b>&gt;</b>
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Data Package		412	146	#46	Z+#	# 12	₩30	#39	¢£ *
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Barium (SW 6010)		978	103	93.4	7.64	À .	. /*/0	707	1.00
Cadmium ("W 7131)		N&6	787	N 8'9	7.67	Z 80	Z - CII	Z 50	A 1.01
Chromium (JW.7191)		X04 X X	17.1	7 2	3 2 3	200	Z • 07	N. CF	2. 46
Lead (SW /421)		200	C			•	•		

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Table L/3 Background - Soil Page 6B

Date   Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Detection   Semple Dete	_			100.01.11	300-00-14	2000
CDs (SW 8089)  CDs (SW 8089)  0.05  0.05  0.05  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10		Detection Limit	Sample Depth, (n): Sample Date:	1.2	14.15	23-24
0.05 0.05 0.05 0.05 0.05 0.05 0.10 0.10	Parameter and Analysis Method		Field Sample No.: GI	3-BG-MW43-SS1 GB- 88081967	BG-MW43-SS2 G	1B-BG-MW43 \$53 8808:966
0.05 0.05 0.05 0.10 0.10 0.10 0.10 0.10	PESTICIDES AND PCDs (SW 800	(%				
0.05 0.05 0.05 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	Dain Package			439	<b>633</b>	#39
0.05 0.05 0.10 0.10 0.10 0.10 0.10 0.05 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	Aldrin	\$0.0		מ		ח
0.05 0.05 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Alphi-BHC	50'0		ם	ם	ח
0.05 0.10 0.10 0.10 0.10 0.10 0.10 0.10	Deta-BilC	50.0		ם	ם	ם
0.05 0.10 0.10 0.10 0.10 0.10 0.10 0.10	Delta-BIIC	0.00		ב	ם	ם
0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	Gamma-DilC	50'0		n	ם	ם
0.10 0.10 0.10 0.10 0.10 0.10 0.05 0.05	Chlorodane	0.5		ם	ם	ח
0.10 0.10 0.00 0.10 0.10 0.00 0.00 0.00	4.DDD	0.10		ח	ב	ם
0.10 0.00 0.00 0.10 0.10 0.10 0.00 0.00	4 <b>/</b> **DE	0.10		<b>-</b>	ם	ם
0.10 0.10 0.10 0.10 0.05 0.05 0.5 0.5 0.5 0.5 0.5 1.0 1.0 1.0 1.0	4,4*.DDT	0.10		ח	כ	ح
0.05 0.10 0.10 0.05 0.05 0.5 0.5 0.5 0.5 0.5 0.5 0.5	Dieldrin	0.10		כ	ם	ח
0.10 0.10 0.05 0.05 0.5 0.5 0.5 0.5 0.5 0.5 1.0 1.0 1.0 1.0	Endosulfan I	0.00		D	ם	ב
0.10 0.00 0.00 0.05 0.5 0.5 0.5 0.5 0.5 0.5	Endosulisa II	0.10		ב	כ	ם
0.10 0.05 0.05 0.5 0.5 0.5 0.5 0.5 0.5 1.0 1.0 1.0 1.0	Endosulfan Sulfate	0.10		כ	ם	כ
0.05 0.05 0.5 0.5 0.5 0.5 0.5 1.0 1.0 1.0 1.0	Lindrin	0.10		ב	n	כ
0.05 0.5 0.5 0.5 0.5 0.5 1.0 1.0 1.0 1.0	Heptachlor	0.05		ם	ב	n
0.5 0.5 0.5 0.5 0.5 1.0 1.0 1.0 1.0	Heptschlor Epoxide	50.0		ח	ח	ä
1.0 0.5 0.5 0.5 1.0 1.0 100 100	Methoxychlor	0.5		<b>&gt;</b>	<b>-</b>	ם
0.5 0.5 0.5 1.0 1.0 100 100	Toxaphene	9		ם	ם	ר
0.5 0.5 0.5 1.0 1.0 100 100	PCB-1016	0.5		ם	ב	<b>n</b>
0.5 0.5 0.5 1.0 1.0 1.00 1.00	PCB-1221	0.5		ם	כ	ר
0.5 0.5 1.0 1.0 100 100	PCB-1232	50		<b>&gt;</b>	<b>=</b>	כ
1.0 1.0 1.0 1.0 1.0	PCB-1242	95		ם	ב	<b>-</b>
1.0 MIYDROCARBONS (EPA 418.1) 100 NE	PCB-1248	S,		<b>¬</b>	⊃	<b>D</b>
ID INDROCARBONS (EPA 418.1) IO UE	PCB-1254	0.1		ລ	ם	<b>¬</b>
MIYDROCARBONS (EPA 418.1)  100  NE	PCD-1260	01		D	ם	ם
	TOTAL PETROLEUM HYDROC	ARBONS (EPA 418.	c c			
ω ₁	Data Package			627	139	130
	Units mg/kg	8		200	×100	×100
	PERCENT MOISTURE					
	Data Padtage			139	\$30	439
•	Unite: Weight percent			293	172	7
•	METALS					
	Data Package		•	139	. 139	430
	Unite: mg/kg					•
	Ansenic (SW 7004)			3 B V	30C>	מותכא
	Barnum (SW 6010)			3 3	7.967	SIS.
1911 (SW 2191)	Cadmidm (SW 7131)			Z O	N. 976	N 2.0
	Caromium (SW 7191)			7 2	308 N • 1	77.
(IZ:S) X	1250 (50 755)			: 67	2 (7	2.77

Table L-3 Background - Soil Page 7

DUP Duplicate.

Data Package # Numbers refer to Data Packages in Appendix M.

3 For organic analyzes, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Limit.

E The value is estimated due to interference.

N For metals the percentage recovery of the spiked sample was not within the control limits.

N For metals the parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantiation limit,

• Duplicate not within control limits.

I The holding time was missed for this analysis. See Appendix N.

< Less than,

- The EPA has not yet reported on a method detection limit for this paraneter.

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## TABLE L-4 BACKGROUND MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA

SUMMARY OF CHEMICAL ANALYSES FOR GROUND-WATER SAMPLES (Results in micrograms per liter unless otherwise noted.)

PANCED INCOMEDIA PANCED INCOMED ANCIDARIC MANCED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOMED INCOME INCOMED INCOMED INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCOME INCO	Method	Well/OC No.  Date Sampled:	MW32 9-8-88	MW42 9.8-88	MW42 FFB 9-8-88	MW43	MW43 DUP 9-7-88	MW43 FB - 9-7-88	TB1	BR1 9-7-88
		}		DANGII-IIG-MW	DANGIB-F/12 88992307	DANGB-BG-MW43 GW-I 8802293	DANGB-BG-MWS0-GW-1 8807292	DANGB-FBI 88002234	DANGB-TB1 88092308	DANGB-BRI 88092291
1	IIALOGENATED VOLATILE ORGANICS (SW	(8010)								•
10   10   10   10   10   10   10   10	Data Package			647	F47	15	\$\$	96	<b>#</b> 47	\$\$
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat			ח	Đ	ח	ם	ם	D	ם	ם
Marker   2,50		_	ב	U	ם	ם	n	כ	כ	ב
there			ח	כ	ם	n	D	n	ם	כ
All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the color   All the colo			ם	ם	ח	n	ם	ב	ם	Ò
1,25			<b>&gt;</b>	ם	מ	0	ם	ב	D	ב
12   12   13   14   15   15   15   15   15   15   15				Ð	מ	ח	ņ	כ	כ	ם
10   10   10   10   10   10   10   10			ב	מ	ב	ם	<b>D</b>	כ	ם	Þ
So			ם	ສ	מ	n	n	'n	ם	a
25.0	ctaldehyde		ם	ם	כ	<b>D</b> .	ח	ם	ס	מ
10   10   10   10   10   10   10   10			D	ລ	>	ם	n	ב	Þ	n
1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1,000,   1	ú		2	Ð	כ	n	<b>D</b> .	ח	n	מ
1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,005   1,00			•	ສ	ם	Ω	Ð	ລ	ס	ם
Milker   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss   Coss			a	10B	E.	Ω	7	ם	Ď	7
Higher   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A   Col.   A			<b>5</b>	מ	ב כ	<b>n</b>	<b>ə</b> :	: כ	ָב כ	ב
10,000,000,000,000,000,000,000,000,000,	nyl Ether		<b>•</b>		n :	D :	<b>&gt;</b>	בי בי	<b>&gt;</b>	<b>&gt;</b>
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat			<b>:</b>	o :	<b>:</b>	<b>D</b> ;	0 :	o :	<b>)</b>	<b>)</b>
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ne         0.55         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0         0.0 <td></td> <td></td> <td>) <u> </u></td> <td><b>-</b></td> <td>) =</td> <td></td> <td><b>-</b></td> <td><b>)</b></td> <td><b>-</b></td> <td><b>&gt;</b> :</td>			) <u> </u>	<b>-</b>	) =		<b>-</b>	<b>)</b>	<b>-</b>	<b>&gt;</b> :
No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.				=	> =	) I	-=	> =	> =	=
net         024         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U <td></td> <td></td> <td>ð</td> <td>ם י</td> <td>כי</td> <td>כי</td> <td>• •</td> <td>ם</td> <td>5</td> <td>מי</td>			ð	ם י	כי	כי	• •	ם	5	מי
1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5			ם	D	ר	D	n .	n	Đ	ס
e         007         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U			<b>5</b>	5	ם	ח	ם	·D	<b>D</b>	D
e         000         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U			ם	ם	מ	ס	Ω	٦	Þ	Þ
c (13)         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U <td></td> <td></td> <td>a</td> <td></td> <td>כ</td> <td>ם</td> <td>D</td> <td><b>ɔ</b></td> <td>ם</td> <td>ָּס</td>			a		כ	ם	D	<b>ɔ</b>	ם	ָּס
other         0.10         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1<			2	Ð	ם	ח	ח	Ð	ם	ם
ne         0.25         2.2 B         0.98 B         1.2 B         1.6 B         1.7 B         0.80 B         1.5 B           rene         0.04         U         U         U         U         U         U         U         U           chance         0.34         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U <th< td=""><td></td><td></td><td>5</td><td>ם</td><td><b>-</b></td><td>כ</td><td>Ω</td><td>ם ֹ</td><td>ב</td><td>כ</td></th<>			5	ם	<b>-</b>	כ	Ω	ם ֹ	ב	כ
New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control   New Control			22.0	860	1.2 18	1.6 B	1.7 B	0.80 B	158	1.1 B
tene 0.34 0.03 0.03 0.04 0.05 0.05 0.05 0.05 0.05 0.07 0.07 0.07			>	מ	כ	כ	ם	ם	ລ	ם
0.03         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U			2		<b>5</b>	n	<b>ɔ</b>	Ď	<b>&gt;</b>	ם
chance         0.50         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U		_	ם	n	ב	ח	n	כ	à	Ċ
1003	cthanc		ב	ב	ם	כ	ב	Þ	כ	כ
nne 0.03 nne 0.02 0.12 :thane 0.50 0.50		_	5	D	ח	ח	Э,	כ	n	ח
ane 0.02 0.12 :thane 0.50 0.50 0.18		_	ם	ם	ב י	כ	ח	ם	ח	ב
0.12 thane 0.50 0.50 0.18	hane		Þ	D	ລ	מ	Ð	Þ	מ	ם
thane 0.50 0.50 0.18			>	, ,	ב	ח	ם	<b>&gt;</b>	ם	ב
0.50 0.18	thane	_	n	ב	כ	n	n	<b>5</b>	ם	ח
0.18			ם	n	ב	ם	ם	ם	ם	>
			<b>¬</b>	D	ם	n	Ω	ם	ח	ח

Background - Ground Water Page 2

					•			,	, ,,,	1
Parameter and Analysis Method	Method Detection Limit	Well/OC No. Date Sampled: Field Sample No. Lab Sample No.	Well/OC No.         MW32           Date Sampled:         9-8-88           Field Sample No.:         DANGH-BG-MW32-GW1           Lab Sample No.:         88992306	MW42 9-8-88 DANGB-BG-MW42-GW-1 88992005	MW42 FTB 9-8-88 DANGB-FTB2 R8002307	MW42 FTB MW43 9-8-88 9-7-88 DANGB-FB2 DANGB-BG-MW43-GW-1 8802207 ' 8802203	MW43 DUP 9.7-88 DANGB-BG-MW50-GW41 8802202	MW43 FB 9-7-88 DANGB-FB1 8809224	TBI 9-8-88 DANGB-TBI 88002308	BR1 9-7-48 DANGB-BR1
AROMATIC VOLATILII OBGANIĆS (SW 8020)	(CS (SW 8020)			1.0						,
Data Package			744	<b>9</b> 47	647	¥	Š	5	Ş	;
Benzene	0.2				: =			3 :	1674	2 :
O. Pomberson	1 2		· :	;	> :		•	>	Þ	<b>&gt;</b>
Chioroceizene	0.2		5	ב	2	ם	כ	מ	Þ	ò
1,2-Dichlorobenzene	2		כ	n	ם	כ	מ	Ď	ב	· <b>:</b>
1,3-Dichlorobenzene	0,4		ס	n	Ď	מ	ם	<b>&gt;</b>	ם	· =
1.4-Dichlorobenzene	03		ם	מ	ם	ם	ב	ý	· =	=
Ethyl Benzene	07		Ð	ם	<b>-</b>	ם	ם	Þ	) D	) . <b>=</b>
Toluene	0.2		מ	מ	כ	כ	מ	ם	=	)·=
Total Nytenes	3		ם	ח	ם	מ	מ	· =	=	=

Table I.-4 Background - Ground Water Page 3

	Method Detection Limit	Well/OC No.: Date Sampled: Field Sample No.:	MW32 9-8-88 DANGB-BG-MW32-GW-1	DANGB.BG.MW	MW42 FB 9.8-88 DANGB-FB2	MW43 9-7-88 DANGB-BG-MW43-GW-1	MV DANGB-BG-MW	MW43 FB 9-7-88 DANGB-FB1	TB1 9-8-88 DANGB-TB1	BR1- 9-7-88 DANGB-BR1
Parameter and Analysis Method		Lab Sample No.	88092306	88092305	88092307	88002203	88092292	88092294	88052308	89092291
SEMI-VOLATILE ÓRGANICS (EľA 625)	Er'A 625)									
Data Package			417	£47		S#	18			<b>4</b> S
13-Dichlorebenzene	0,		5	5	ZZ.	5	5	N.	X X	5
1,4-Dichlorobenzene	2		ij	ອ	N.	ລ	5	N.	NR	.5
Hexachloroethane	01		5	5	Ä	ñ	5	N N	an An	ಶ
Bis(2-chloroethyl)ether	2		ñ		N N	5	5	ž	A.	5
1,2-Dichlorobenzene	2		ñ	5	ž	5	5	N.	an An	5
N-Nitrosodimethylamine	90		in	Ď	ž	ñ	ñ	Z.	az Az	5
Bis(2-chicroisopropyl)ether	01		ä	5	ž	5	ñ	N N	Ä.	ັລ
N-Nitrosodi-n-propylamine	2		'n	ä	ž	ñ	5	ž	AN.	5
Hexachlorobutadiene	2		ສ	5	ž	<del>ວັ</del>	5	Z.	X.	ä
1,2,4-Trichlorobenzene	0 :		5	5	z i	<b>5</b>	5	zz.	ž	5
Nitrobenzene	<u>é</u> :		j i	<b>5</b> :	ž	5	<b>5</b>	ž	z Z	<b>5</b> , :
Isophorone	e :		5	<b>5</b>	ž	Ď :	5	ž	ž i	<b>5</b>
Naphthalene	≘ :		5 :	5 :	ž	5	<b>5</b>	ž !	ž !	<b>5</b> ;
Bis(2-chloroethovy)methane	≘ ;		<b>5</b>	5	¥ :	<b>5</b>		¥ :	¥ :	5 :
2-Chloronaphthalene	0 5		5 :	5 :	ž	<b>5</b> :	5 :	ž	ž	5 3
Hexachlorocyclopenladiene	2 :		5 5	5 :	ž	5.5	5 5	ž	ž	5 <b>:</b>
Acenaphthytene	ę, s		5 5	5 5	ž	5 5	5 5	ž · Ś	ž	5 5
Accaspance	2 9		5 5	<b>5 .</b>	N N	5 5	5 :	ž ž	X X	<b>5</b> 5
Dimenyi Pathanie	2 5		5 5	5 E	ž	5 5	5 5	ž	ž 2	j į
Zo-Cinitototuene	2 5		5 5	5 5	ž	5 5	5 5	ž	ž 2	5 E
2 4.Distingolisma	2 5		5 5	5 5	ž	5 =	5 2	ž, s	ž, <del>a</del>	5 5
Diethyl Phthalate	2 2		5 5	5 5	ž	5 5	5 '5	ž	ž	5 5
N-Nitrosodiphenviamine	2		5 5	; <b>5</b>	N.	5	5 5	ž	Z Z	ິສ
Hexachlorobenzene	02		5	5	ž	5	ສ	N.	A.	ລົ
Phenanthrene	01		5	ä	ZZ.	5	ä	ž	XX.	5
Anthracene	01		ñ	5	ä	5	ij	N.	A.R.	5
Dibutyl Phthalate	.01		ñ	5	ZZ.	5	5	N R	XX	15
Fluoranthene	2		5	ລັ	NR	ö	5	Z.	X X X	ភ
4-Chlorophenyl Phenyl Ether	0		5	<b>5</b>	ž	ö	5	ž	X X	ສ
Pyrene	10		5	5	XX.	5	Š	X X	á i	<b>ģ</b> ⊹
Butyl Benzyl Phthalate	ឧ		in	5	ZZ.	ö	i i	ž	ž	5 :
Bis(2-ethylhexyl)phthalate	2		ö	10 B	ž	E2 -	<b>5</b>	ž	ž	5
Chrysene	<b>e</b>		5	ອ	ž	5	5	ž	Ž.	5.
4-Bromophenyl Phenyl Ether	<u>o</u>		ă	5	Z Z	ö	<b>5</b> :	ž	ž	<b>5</b> :
Berzo(a)anthracene	20		<b>5</b>	5	ž	<b>5</b>	5	ž i	Z i	5 ;
Di-n-octylphthalate	2		ä	5	ž	5	ភ	ž	ž	S .
Benzo(b)fluoranthene	2		5	5	ž	5	ສ	X.	an An	5
Benzo(k) suoranthene	2		i i	ົລ	ž	ä	ă	z X	Ä,	<b>5</b> 7
Benzidine	8		ö	ij	X X	5	ö	N.	¥.	5
3,3'-Dichlorobenzidine	ន	•	5	5	ZN.	ä	ä	ž.	ZZ.	<b>5</b> 7.
Benzo(a)pyrene	2		Ħ	5	ž	<del>S</del>	ä	ž	X i	5
Indeno(1,2,3-cd)pyrene	0		5	5	ž	ö	5	NN NN	N.	5
Devenzo(a,h)anthracene	2		ij	ົລ	ž	5	ອ	ž	Z Z	5
Benzo(ghi)perylene	2		5	5	ž	ö	ñ	ž	ž	<b>5</b>
· Benzyl Akobol	ន		5	5	ž	5	5	ž	z Z	5

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Month officerabilities         SS         Up         NR         Up         Up         NR         Up         NR         NR<	2-Naphthylamine	•		5		ž	5 5	5 5	ž	Z Z	5 5
Abitemanine         50         UP         UP         NR		8		5		ž	5	5	Z Z	X	5 5
Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   S	3-Nitroaniline	8		5		ž	ñ	5	Z X	X.	5
10	4-Nitroaniline	ጸ		5	5	ä	5	5	N.	N.	ö
10   10   10   10   10   10   10   10	N-Nitroso-di-n-butylamine	•		5		A.	ñ	5	ž	N. R.	5
10	N-Nitrosopiperidiene	•		5		N N	5	5	N.	X.	ö
Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Deciminate   Dec	Pentachlorobenzene	•		5		ä	5	5	N.	N.R.	5
Head	Pentachloronitrobenzene	•		5		ž	5	ភ	N.	NR	ñ
10	Phenacetin	•		5		ž	ņ	ລ	X.	NR	ā
	2-Picoline	•		ລັ		ž	ñ	ສ	X X	NA	S.
Hardbuckenzene   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth   Harboth	Pronamide	•		5		ž	ņ	5	N.	<b>X</b>	5
High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High   High	1245-Tetrachlorobenzene	•		5		ž	5	5.	X X	ጸጸ	į
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat	Alpha-BHC	•		<b>ວ</b> ົ		ž	ö	5	XX XX	<b>X</b>	<del>ວ</del>
10	Gamma-BHC	• (		5 :		z i	<b>5</b> :	5 :	Z.	ž :	<u>5</u>
10	Beta-BilC	ล :		5. 1		ž :	io :	5	ž	z Z	<b>5</b> :
10	Heptachlor	요 .		5 ;		ž :	j :	<b>5</b> :	ž i	z Z	<b>5</b> ∶
10	Della gillo	2 9		5 5		ž	<b>5</b> :	<b>5</b>	ž	ž :	<b>5</b>
1	Aidin	2 :		5 5		ž	5 :	5 :	ž.	¥ !	5
15	Heptachior Epoxide	<u> </u>		֧֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֖֚֓֞֞֞֝֞֞֞		ž	5 5	5 5	Z S	ž ž	<b>5</b> . <b>5</b>
33				; :			5 :	5 :	ž i	Y S	5 5
1	Dielann 44: Doi:	2 5		5 5		ž	5 5	5 5	ž	ž į	5 E
12	17.001	ξ '		5 2		X X	5 =	5 5	¥ 9	¥ 0	5 5
15	Backer II	• •		5 5		2 2	5 É	5 8	ž 2	۲. g	5 5
	44.000	· <u>×</u>	•	5 2	•	ž	5 =	5 =	¥ 22	מא מא	5 5
A	44.000	; ;		5 5		1 02	S E	5 5	ź	2.2	5 5
	Fodoenifan Cultate	3 ខ		5 5		ž 2	5 3	5 5	ž	£ 2	5 <b>2</b>
S	Endrin Aldebyde			3		ž	5· 5	5 5	ž	4 X	5 5
S UI NR UI NR NR OI OI NR NR NR NR OI OI NR NR NR NR OI OI NR NR NR NR OI OI NR NR NR NR OI OI NR NR NR NR OI OI NR NR NR NR OI OI NR NR NR	Endrin Ketone	•		10		ž	111	n	ž	ž	- 5
S US NR US US NR US NR NR NR NR NR	Chlordane	8		ä		ž	5	ij	ž	ž	; <u>;</u>
S UI NR UI NR NR	Methovychlor	•		Ö		ž			a X	×	5
	Tovaphene	8		5		ž	5	5 5	ž	Z	Ŝ

Table L.4 Background - Ground Water Page S

	Method	Well/OC No.	MW32	MW42	MW42 FT	MW43	WW43 DUP	MW43 FB	TiBI	BR1.
	Detection	Date Sampled:	9.8-88		88.8.6	9.7.88	9-7-88	9-7-68	88-8-6	9-7-88
Parameter and Analysis Method	Límit	Field Sample No.:	Field Sample No.: DANGB-BG-MW32-GW-1 Lab Sample No.: 88092306	DANGIB-BG-MW42-GW-1 R8092305	DANGII 1712 88092307	DANGB-BG-MW43 GW-1 88002293	DANGB FRIZ DANGB-BG-MW43 GW-1 DANGB-BG-MW50-GW-1 88092307 88092293 88092292	DANGB-F31 88092294.	DANGB-TB1. 89092308	DANGB-BRI RR002291
	,									
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3	A 625) Continue	d page 3 .								
Arochor-1016	8		ສັ	5	N. N.	5	5	N.	.X	ວົ
Aroctor-1221	8		ō	5	ĭ		5	X.	ž	Ė
Aroclor-1232	8		ñ	5	Ä	5	<del>ວ</del>	AN.	Z Z	5
Aroclor-1242	8		ñ	ñ	ž	ö	5	Ä	N.	5
Aroclor-1248	8		5	5	N. N.	5	ñ	X X	N.	5
Aroclor-1254	8	•	5	5	ž	5	ñ	Ä	ZZ	ສັ
Aroctor 1260	8		5	5	ž	ä	5	X.	X.	ñ
2-Chlorophenol	01		5	5	N.	5	Ë	Ř	NR.	5
2-Nuronhenol	01		5	5	ž	5	ັກ	AN R	XX.	ï
Phenol	01		5	5	ž	ň	5	N.	N.R.	5
2.4-Dimethylphenol	01		ສ	5	N.	'n	ä	N.	X.	5
2.4 Dichlorophenol	01		5	ົວ	zz.	ភ	ສ	A.	X.	ລັ
2.4 v-Trichlorophenol	10		ñ	5	ž	5	5	ž	N.	ij
4-Chloro-3-methylphenol	ន		5	5	ž	5	Ġ	N.	N.	ģ
2,4-Dinitrophenol	প		5	5	ž	5	ä	N.	X.	5
26-Dichlorophenol	•		ö	5	ž	5	5	NR.	XX XX	5
2-Methyl-4.6-dinitrophenol	প্ত		5	5	ž	5	5	N.	a a	5
Pentachlorophenol	ន		5	ñ	ž	5	ö	~XX	X X	5
4-Nitrophenol	ន		ö	5	ž	5	5	NR AN	X X	<u>ร</u> ี
Benzoic Acid	প্ত		ñ	5	ž	5	5	N.	ž.	5
2-Methylphenol	01		in	5	ž	5	ö	ZZ.	X X	5
3&4-Methylphenol	01		i	5	ž	5	5	Z Z	XX	ŝ
23,4.6-Tetrachlorophenol	•		ö	5	¥N	5	ñ	XX.	XX.	5
2.4.5-Trichlorophenol	2		ä	5	ž	U	5	N.R.	N.	5

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Table La Background - Ground Water Page 6

							***************************************			,
	Metbod	Well/QC No.	MW32	MW42	MW42 FB	MW43	MW43 DUP	MW43 FB	IET	BRI
	Detection	Date Sampled:	9-8-88	9-8-88	9.8.88	9-7-88	9-7-88	.9-7-88	9-8-88	9-7-88
	Cmit	Field Sample No.:	Field Sample No.: DANGB-BG-MW32-GW-1	DANGII-BG-MW	DANGB-FB2	DANGIB-FBZ DANGB-BG-MW43-GW-1 DANGB-BG-MW50-GW-1	DANGB-BG-MW50-GW-I	DANGB-FB!	DANGB-TBI	DANGB-BRI
Parameter and Analysis Method		Lab Sample No.:	88072306	88092305	88092307	88002203	88092292	, 88092204	89092308	88092291
PESTICIDES AND PCB's (EPA 8080)	2	•					-	,		,
Data Package			#47	P47		18	**			<b>*</b>
Aldrin	0.05		מ	n	ž	Ð	Đ	ž	X	n
Alpha-BiiC	50.0		ב	ב	ž	Þ	D	XX.	N.	מ
Beta-BliC	50.0	•	D	, ,	ZZ	ח	D	NR.	NR	ם
Delta-BHC	900		n	ם	ž	D.	Ď	X.	, AR	D
Gamma-BHC	0.05		ח	O	ž	ב	ם	ä	AN R	ם
Chlorestane	0.5		ם	מ	AN RN	D	מ	a a	ZX.	ב
, 4,4:DDD	0.10		ח	ם	Z.	ם	Ú	NR	N.	ģ
900-14	0.10		Ω	D	ž	D	ח	Z.	A.R.	Þ
4,4".DDT	0.10		ב	ם	ž	Ω	ח	ä	N.	n
Dieldrin	0.10		Þ	מ	N.	n	<b>D</b> .	Z.	XX XX	, <b>ʻ</b>
Endosulfan I	000		D	ח	ž	מ	.5	- K	. X	n
Endosultan II	0.10		n	ם	ž	כ	ם	A	a a	<b>5</b>
Endosulfan Sulfate	0.10		כ	ב	ž	Ω	D.	N N	NR	ם
Endrin	0.10		n	Ď	ž	n .	מ	Ä	, AR	ò
Heptachlor	0.05		ב	D	ž	<b>D</b> .	ב	NR.	N. R.	כ
Heptachlor Epoxide	0.05		D	מ	ä	Č	Û,	ž	an R	כ
Methoxychlor	20		D	Ð	ž,	D	Ď	ž	zz Z	ם
Toxaphene	1.0		ס	מ	ž	מ	מ	ž	A.	Þ
PCB-1016	\$0		ח	מ	ž	Ω	Ď	ž	ž	, ,
PCB-1221	0.5		ב	ם	ž	ס	n	ZZ.	ž	5
PCB-1232	20		ם	ם	ZZ.	כ		N.	XX.	ο.
PCB-1242	0.5		D	כ	ž	ח	ס	X.	ă	Ú
PCB-1248	0.5		D	n	ž	n	. <b>D</b>	Ä.	N.	Þ
PCB-1254	1.0		Ð	ם	N N	n	ח	ž	N.	ם
PCB-1260	0.1		ב	ם	ĭ	מ	, <b>a</b>	X.	NR	5

Table L.4 Background - Ground Water Page 7

									,	
	Method	Well/QC No.	MW32		MW42 FB	WW43	. MW43 DUP	MW43 FB	ië.	DRI
	Detection	Date Sampled: Field Sample No.:	Date Sampled: 9-8-88 Field Sample No.: DANGB-IIG-MW32-GW-1	9-8-88 DANGII-IIG-MW42-GW-1	9.8-88 DANGII-F332	9-7-8 DANGB-BG-MW43-GW-1	9.7.88 DANGR.BG.MWSp.GW.1	9-7-88 DANGRAM	9.8.88	9.7.88
Parameter and Analysis Method		Lab Sample No.:	88092306	. 88092305	-			88092294	89092308	88092291
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	RBONS (EPA 4	18.1)						,		
Data Package			744	#47		,	54			\$
Units: mg/L	1.5		D	D	ĭ.	ם	ם	X X	ä	ָב
METALS (Unite: mg/L)										
Data Package			447	L+#			#5			88
Arsenic (SW 7060)	10.0		< 0.005	< 0 002	ž	< 0.005	< 0.005	ž	ž	\$000
Barium (SW 6010)	0.2		0.12 B N	N 50.0 >	ž	< 0.13 U	< 0.13 B N	Z Z	X X	N 5000 V
Cadmium (SW 7131)	0,005		< 0.001	1000 >	NR.	1000 >	< 0.001	ZZ.	ž	< 0.001
Chromium (SW 7191)	0.01		0.0026 13	< 0.002	ž	c 0.003 B	< 0.002	N.	N.	< 0.002
Lead (SW 7421)	0.005		< 0.005	< 0.005	ž	< 0.005	< 0.003	N.	Z.	< 0.005
Mercury (SW 7470)	0.0002		< 0.0002	< 0.0002	ä	< 0 0002	< 0 0002	ž	ž	< 0.0002
NITIVATES (EPA 353.2)										
Data Package			894	89#		168.	891			88
Units: mg/f.	0.02		< 0.02	< 0.02	Ä	< 0.02	< 0.02	NR	N.	< 0.02
RADIOLOGICAL PARAMETERS (Unite: pGi/L)	(Units: pCi/L)									
Data Package			\$9#	99#		994	91			8
Gross Alpha (EPA SW 9310)	•		53 + /- 29	× 3	ž	4.6 + /- 2.7	4.2 + /- 2.6	ä	, z	6.3
Gross Beta (EPA SW 9130)	9		11 +/-4	9 >		11 +/-4	85 + /- 3.7	N.	N N	9
Radium 226 (EPA SW 9315)	03		0.4 + /- 0.2	< 0.2	~N	< 03	03 + /- 0.2	XX.	X X	< 0.2
SPECIFIC CONDUCTANCE (EPA 120.1)	120.1)						,			
Unite: mS/cm @ 25 C			61	0.48	ĩ	1,03	1.03	N.	z z	A.
TEMPERATURE (EPA 170.1)										
Units: C			9.2	11.0	XN.	10.2,	10.2	NR.	Ä	X.
pH (EPA 150.1) Units: pH Units			736	(1.1)	ž	30%		2	į	Ž
						200	. 670	VIVI	VIVI	111

Table L-4 Background - Ground Water Page 8

DUP Duplicate BR Boiter rinsate, FB Field blank, TB Trip blank,

Data Package & Numbers refer to Data Packages in Appendix M.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Limit.

NR The analysis was not requested.

N For metals the percentage recovery of the spited sample was not within the control limits.

U Undetected. The parameter was analyzed for but was not detected. A value, if giver, is the corrected sample quantitation limit.

I The bolding time was missed for this analysis. See Appendix N.

+/- Plus or minus.

## TABLE L-5 SITE 2 MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR SURFACE WATER SAMPLES

(Results in micrograms per liter unless otherwise noted.)

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	-						
	Method	Location/OC No.:	81.8	SIGDUP	SIG FIB	SL7	1111
	Detection	Date Sampled:	9-26-88	9.26-88	9-26-88	9-26-88	9-26-88
Parameter and Analysis Method	Limit	Field Sample No.: Lab Sample No.:	DANGB-2-SLÆ-SW-1 8802769	DANGB-2-SL29-SW-1 R8092768	DANGIB-FB20 88002775	DANGB-2-SL7-SW-1 88092770	DANGIB-TB14 88002773
HALOGENATED VOLATILE ORGANICS (SW 8010)	GANICS (SW 801	6				*	
Data Package			13	13	13	#3	13
Benzyl Chloride	050		n	ח	כ	D	ם
Bis(2-chloroethoxy)methane	20		ח	ם	n	ם	ם
Bis(2-chloroisopropyl)ether	\$0		כ	ם	ם	ם	כ
Bromobenzene	050		ח	n	D	<b>.</b>	n
Bromodichloromethane	0,10		<b>D</b>	ח	n	. ם	ם
Вготогогт	070		ם	ຸ ກ	מ	ם	ಸ
Bromoethane	17		n	Ð	ח	ם	ם
Carbon Tetrachloride	0.12		ם	Ð	כ	ם	ם
Chloracetaldehyde	20.0		D	D	ח	n	Þ
Chloral	200		Þ	n	מ	ר	ח
Chlorobenzene	52.0		ם	n	ח	Ω	ח
Chloroethane	0.52		ם	n	ה	Ω	ם
Chloroform	0.05		ם	Ð	ם	ם	ם
1-Chlorohexane	050		ם	n	, D	ב	D
2-Chloroethyl Vinyl Ether	0.13		ם	ח	כ	D	D
Chloromethane	80'0		כ	Ð	ם	n	
Chloromethyl Methyl Ether	5.0		ב	ם	ם	n	ם
Chlorotoluene	o <del>S</del> o		n	Ω	ני	D	n
Dibromochloromethane	60:00		ם	Ω	כ	ם	ם
Dibromoethane	0.50		D	Ð	n	n	3.6
1,2-Dichlorobenzene	0.15		D	Þ	Ω	n	n
1.3-Dichlorobenzene	032		ב	ם	<b>¬</b>	D	ם
1,4-Dichloroberzene	0.24		ב	ם	ב	ח	D
Dichlorodifluoromethane	1.8		D	n	ם	ח	n
1,1-Dichloroethane	0.07		ח	ב	ם	ם	ם
1,2.Dichloroethane	003		ב	n	<b>ס</b>	ם	<b>&gt;</b>
1,1-Dichloroethene	0.13		ם	ם	כ	n	2
Trans-1,2-Dichloroethene	0.10		ם	n	ח	Þ	D
Dichloromethane	0.25		ם	ם	0.96 II	0.24 B	1.2 B
1.2-Dichloropropane	0.04		ח	ח	מ	n	ם
1,3-Dichloropropylene	<del>بر</del> ٥		מ	ח	ם	ם	ח
I,I,2,2-Tetrachloroethane	0.03	•	ח	<b>.</b>	ח	D	ם
1,f,1,2-Tetrachloroethane	0.50	•	ח	ב	ם	n	Ð
Tetrachloroethene	0.03		ם	ם	ם	n	ב
1,1,1-Trichlorocthane	0.03		כ	ם	ב	ח	D
1,1,2-Trichloroethane	0.02		ח	n	Ð	ם	D
Trichloroethene	0.12		D	n	D	D	Ω
Trichlorofluoromethane	0.50		Ω	Ð	Þ	ם	Þ
Trichloropropane	0.50		ח	כ	ם	ם	⊃
Vinyl Chloride	0.18		מ	ລ	D	n	ם

Table L.S

Parameter and Analysis Method	Method Detection Limit	Location/OC No.: Date Sampled: Field Sample No.: Lab Sample No.:	\$1.8 9-26-88 Dangb-2-51.6-5.w.1 8902109	\$1.6 DUP 9.26-88 9.26-88 DANGB.2.SL6.SW-1 DANGB.2.SL29.SW-1 8907209 8907708	SL6 FB 9-26-88 DANGB-FB20 880)2775	SL7 9-26-88 DANGB-2-SL7-SW-1 8802770	TB1 9-25-88 DANGB-TB14
AROMATIC VOLATILE ORGANICS (SW 8020)	4ICS (SW 8020)						
Data Package			13	43	Ş	Ş	:
Benzene	07		=		;		2
Chlombersen	: 3			>	<b>D</b>	ם	ם
1 2 Pi-li-	70		ב	ם	ח	ם	ם
1.2-Dichlorocenzene	70		ũ	ם	D	ם	=
I,3-Dichlorobenzene	70		D	ם	מ	) <u>=</u>	> =
I,4-Dichlorobenzene	63		Ð	ב	כי	? =	> =
Shyl Benzene	07		כ	מי	=	> =	o :
Toluene	07		2	=	> =	o :	<b>&gt;</b> :
Total Xylenes	0.4		) <u>=</u>	;	<b>&gt;</b> :	<b>-</b>	<b>&gt;</b>
			-	-	:		

Table 1.5 Site 2 - Surface Water Page 3

	Detection	Date Sampled:	9-26-88		9-2/-88	9-26-88	9-56-88
Parameter and Analysis Method	Limit	Field Sample No.: Lab Sample No.:	DANGB-2-SL6-SW-1 R8992769	DANGB-2-SL29-SW-1 88092768	DANGB-FB20 88092775	DANGB-2-SL7-SW-1 88092770	DANGB-TB14 88092773
SEMI-VOLATILE ORGANICS (EPA 625)	EPA 625)	•		×			•
Data Package			13	13		#3	
1,3-Dichlorobenzene	10		ភ	5	ä	in	Z Z
1,4.Dichlorobenzene	01		ñ	ñ	Ä	ñ	ÄX
Hexachloroethane	<b>0</b> ,		ñ	5	Z.	ລັ	N.
Bis(2-chloroethyl)ether	2		ñ	5	¥	5	HZ.
I 2-Dichlorobenzene	0		5	5	ž	5	ĭ
N-Nitrosodimethylamine	0		5	5	Ä	ĬŎ.	ä
Bis(2-chloroisopropy1)ether	9		5	ñ	NR	5	ÄN
N-Nitrosodi-n-propylamine	01		ñ	5	NR	ອ	NR
Hexachlorobutadiene	2	•	5	5	NR	5	¥ N
1,2,4.Trichlorobenzene	01		5	5	RN	ö	N.
Nitrobenzene	2		5	ñ	NR	5	N.
Isophorone	2		ä	ລັ	NR	õ	NR
Naphthalene	22		5	Ď	, and	5	XX.
Bis(2-chloroethoxy)methane	10		ä	5	N	ñ	N.
2-Chlomaphthalene	01		5	5	N.	5	N.
Hexachlomovelopentadiene	. 2		5	5	N.	5	Ñ.
Accusphibylene	. 9		=	5	ž	5 5	×
Acceaphibene	9		5 5	5 5	ž	; <u>5</u> 5	ž
Dimethyl Phthalate	9		5	5	ž	5	××
2.6-Dinitrololuene	01		5	5	X.	5	N
Fluorene	01		5	5	and a	ć	N.
2.4-Dinitrotoluene	2		Ď	5	N.	. <b>5</b>	N.
Diethyl Phthalate	9		ă	ñ	NR	ñ	ĭ
N-Nitrosodrohenylamine	01		ວັ	5	ž	5	N.
Hexachloroxenzene	01		S	ñ	ž	5	X.
Phenanthrene	01		5	5	X	5	NR
Anthracene	20		5	5	N.	ລ	žv
Diburyl Phihalate	01		ñ	ñ	~ N	5	ž
Huoranthene	. 01		5	ລ	Ř	5	ä
4.Chlorophenyl Phenyl Ether	9		5	ä	ž	5	ĭ.
Pyrene	91		5	'n	~X	ö	N.
Buryl Benzyl Phthalate	01		5	ñ	ž	5	¥N
Bis(2-ethylhevyl)phthalate	01		34B	811	N.	ສ	¥N
Chrysenê	01		5	ñ	ž	ñ	N.
4-Bromophenyl Phenyl Ether	01		5	ñ	NR	5	Ĭ
Benzo(a)anthracene	01		in	ä	ž	5	¥×.
Di-n-octylphthalate	o.		ñ	ñ	~ XX	ņ	Ĭ
Benzo(b)(luoranthene	9		5	5	~N	5	NR.
Benzo(k) fluoranthene	2		ij	ອ	ž	ñ	NR
Benzisine	8		5	ä	ž	ñ	ž
3.3.Dichlombenzidine	8		5	ñ	N	2	ž
Designation	: =		; <u>=</u>		ž	5 =	ž
enzo(a)pyrene	2 5		5 5	i E	2	5. <b>3</b>	í ŝ
Indeno(1,2,3.ed)pyrene	9 9		5 5	5 5	ž.	5 5	
Dibenzo(a,h)anthracene	2 :		<b>5</b> :	5	ž	<b>5</b>	YN.
There are a second and a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second are a second	•						

Table 1.5 Sic 2 - Surface Water Page 4

All Abril Method   La Sample Not.   Se027700   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770   Se02770		Detection	Date Sampled: Field Sample No.	9-26-88 DANGB-2-SL6-SW-1	9.26-88 9.26-88 DANGB-2-81.29-5W-1	9.26-88 DANGII-FIB20	9.26-88 DANGB-2-SL7-SW-1	9-26-88 DANGB-TB14
Frontier of Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned Page 2.  So See Line 200 Conditioned	Parameter and Analysis Method		Lab Sample No.:	8809276		88092775	88092770	88002773
1	SEMI-VOLATILE ORGANICS (F	PA 625) Continued	Page 2.					
10   10   10   10   10   10   10   10	Acetophenone	•		5	5	N	ñ	ž
Continue	Aniline	•		ä	5	ar N	5	AN.
Market	4.Aminobyphenyl	•		ă	5	NR	5	N.
December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December	4-Chloroaniline	ឧ		5	ä	ž	5	NN
10   10   10   10   10   10   10   10	1-Chloronapththalene	•		5	5	ž	5	ž
Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Com	Dibenzofuran	2		ລັ	5	ã	. <b>5</b>	ž
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat	p-Dimethylaminoazobenzene	•		5	5	ZZ.	5	a Z
Control planting	7,12 Dimethythenz(a)anthracene	•	•	ລ	5	XX.	5	- XX
Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle	.a. Dimethylphenethylamine	•		ລັ	5	NR	5	Z.
Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Com	Diphenylamine	•		5	5	N.	ສ	Ä
	1,2-Diphenythydrazine	•		5	5	, NR	· 5	, XX
December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December	Ethylmethanesulfonate	•		5	5	22	5	ž
December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December	3-Methylcholanthrene			ñ	5	N.	ă	ZZ.
December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December	Methylmethanesulfonate	•		ñ	5	N.	ñ	ĭ
10   10   10   10   10   10   10   10	2-Methylnaphthalene	01		5	5	N.	5	ž
No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.	1-Naphthylamine			5	ñ	ZZ	ö	an N
Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   S	2-Naphthylamine			5	5	NR	5	N.
Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   S	2-Nitroaniline	ន		ñ	5	N.	ສ	ž
Fore Solution	3-Niroaniine	প		ä	ñ	N.	· 55	ž
######################################	6-Nitroaniline	প্ত		5	5	ž	5	XX.
7500	N-Nitroso-di-n-butylamine			5	5	NR	ñ	ž
7500	N-Nitrosopiperidien	•		5	5	N.	5	ž
No contracted but we will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but will be contracted but	Pentachlorobenzene	•		Ö	5	NN.	5	Ä
tin to the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of	Pentachloronitrobenzene	•		5	ö	AN.	5	XX.
He   He   He   He   He   He   He   He	Phenacetin	,		5	5	a a	<b>3</b>	EN.
iciach          UI         UI         NR         UI           iciachlordenzene          UI         NR         UI           iIIC          UI         UI         NR         UI           iIC         20         UI         UI         NR         UI           ilor         15         UI         UI         NR         UI           ilor         15         UI         UI         NR         UI           ilor         10         UI         UI         NR         UI           ilor         10         UI         NR         UI         UI           ilor         UI         UI         NR         UI         <	2-Picoline	•		5	5	and and and and and and and and and and	. <b>5</b>	N.
Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   H	Pronamide			5	5	ž	ີລ	ž
HC   HC   HC   HC   HC   HC   HC   HC	1,2,4,5-Tetrachlorobenzene	•		5	5	ž	5	Ä
Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Difference   Dif	Alpha-BilC	•		5	5	az Z	õ	ÄN
C	Gamm.BHC	•		ລັ	5	ž	5	N.
lor         Uf	Beta-BHC	8		5	·5	N	ij	ZZ.
15   15   17   18   19   19   19   19   18   19   19	Heptachlor	01		5	in	AN AN	ñ	ž
10   11   12   13   14   15   15   15   15   15   15   15	Delta-BHC	15		5	ö	ž	5	₹ 7.
lor Epoxide         10         U!         U!         NR         U!           Is         9         U!	Aldrin	01		5	ñ	NR.	Ś	ž.
Fig. 1	Heptachlor Epoxide	01		5	ສ	NR	5	XX
15   15   19   19   19   19   19   19	Endosulfan I	٠		5	ñ	NR	5	ž
E	Dieldrin	51		'n	5	ž	ä	ž
Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Tabl	4,4'.DDE	ន		5	5	N.	ņ	N.
15 UI UI NR UI 25 UI NR UI 26 UI NR UI 27 UI NR UI 28 UI NR UI 29 UI NR UI 29 UI NR UI 20 UI NR UI 20 UI NR UI 20 UI NR UI 20 UI NR UI 20 UI NR UI 20 UI NR UI 20 UI NR UI 20 UI NR UI 20 UI NR UI	Endrin	•		ā	ລັ	a Z	5	ž
15 UI UI NR UI UI NR UI NI UI NR UI UI NR UI UI NR UI UI NR UI UI NR UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI NR UI UI UI UI NR UI UI UI NR UI UI UI UI UI UI NR UI UI UI UI UI UI UI UI UI UI UI UI UI	Endosulfan II	•		n	5	ž	ö	ž
1/3	4,4*.DDD	23		ລ	5	~ZZ	5	ž
rde	4,4-DDT	ผ		5	ñ	NR	ö	NR
, GG GG GG GG GG GG GG GG GG GG GG GG GG	Endosulfan Sulfate	8		. 5	Ď	NR	ö	NR
	Endrin Aldehyde	•		5	5	NR	ລັ	ž
20 NA 10 10 10 10 10 10 10 10 10 10 10 10 10	Endrin Ketone	٠		ສ	IJ.	ž	5	XX.
in in in	Chlordane	8		5	5	Z	ö	XX.
	Methowchilor							

Taute 1.5 Site 2 - Surface Water Page 5

	Method Detection	Location/OC No.: Date Sampled:	818 9.26-88	SIA DUP 9.26-88 DANGILO ST 20.5W.1	SI,6 I'll 9-26-88	\$1.7 9.26-88	. 9.26.88
Parameter and Analysis Method		Lab Sample No.:	15WC-4216-2-410NV/J	88092768	88092775	8802770 8802770	88092773
SEMI-VOLATILE ORGANICS (EPA 625) Continued Page 3.	EPA 625) Continue	J Page 3.		1			
Aroctor-1016	8		5	5	NR	5	Z.Z.
Arodor-1221	8		5	5	AN.	5 ,	ž
Aroclor-1232	3		5	<b>ອ</b> ີ	ZZ.	<b>5</b>	<u>ح</u>
Aroclor-1242	8 8		5 5	5 5	Z Z	5 5	ž s
Amelog-1954	3 8		5 5	3 E	ž	5 5	Ž
Aroclor-1260	3 8		<b>5</b>	5 5	ž	5 5	ž
2-Chlorophenol	2		5	5	ZZ.	5	ž
2-Nitrophenol	20		5	5	MR	ä	ĩ
Phenol	10		ö	5	an An	5	ž
2.4-Dimethylphenol	ឧ		5	<b>5</b> :	¥ :	5 5	ž
2,4-Dichlorophenol	2 9		5 :	5 :	ž	5 5	ž
Z.4.0-1 remorophenol	⊋ ⊱		5 E	5 <b>2</b>	ž	5 5	¥ 2
24-Dinitrophenol	3 8		5	5 5	ź	5	ž
2.6-Dichlorophenol	•		5	5	N.	5	ž
2-Methyl-4,6-dinitrophenol	ঙ্গ		5	5	an R	S	NR.
Pentachlorophenol	ន		5	5	ž:	<b>5</b> :	ž
4.Nitrophenol	ୟ :		5 :	<b>5</b> 5	ž i	5 5	ž
Benzoic Acid	R =		5 5	5 E	žŝ	5 5	ž
4-Methylphenol 3-8-Methylphenol	2 2		5 5	5 5	ź	5 5	ž
2346Fetrachlorophenol	: •		5	5	ž	5	ž
2,4,5-Trichlorophenol	10		5	5	Z Z	ö	N.
MINI DETERMINA							
HYDROCARBONS (EPA 418.1)	15						•
	•		,	•		\$	
Data Package				2		2	
Unite: mg/L			5	<del>ວ</del>	N.	ם	ž
METALS (Units: mg/L)							
Data Package			63	2		ç	
() () () () () () () () () () () () () (	03		<0.2	<0.7	N.	<0.2	ž
Cadmium (SW 7131)	5000		<0.005	<0.000	ž.	<0.005	ž
Chromium (SW 7191)	100		100>	10'0>	N. N.	<0.01	ž
Lead (SW 7421)	0.000		<0000>	<0.005	ä	< 0.005	ĩ
NITRATE					•		
Data Package			89/	89/	89/	<b>8</b> 0 <b>∦</b>	
Units: mg/L	0.02		0.04	. < 0.02	N.	10.0	ž
SPECIFIC CONDUCTANCE (EPA 120.1) Units: mS/cm @ 25 C	PA 120.1)		0.493	0.493	, RN,	0.493	MN
TEMPERATURE (EPA 170.1) Units:°C			11.8	1.8	M	11.6	ž
pH (EPA 150.1)			7.14	7.14	N	1.7	ž
Unite: pl1 Units						,	

Table L.5 Site 2 - Surface Water Page 6

DUP Duplicate. FB Field blank. TB Trip blank.

Data Package # Numbers refer to Data Packages in Appendix M.

B for organic analyses, the parameter was detected in the laboratory blank as the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Limit.

NR The analysis was not requested.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

I The holding time was missed for this analysis. See Appendix N.

- The EPA has not yet reported on a method detection limit for this parameter.

TABLE L-6
SITE 2
MINNESOTA AIR NATIONAL GUARD BASÉ
DULUTH, MINNESOTA
SUMMARY OF CHEMICAL ANALYSES FOR SEDIMENT SAMPLES

(Results in micrograms per kilogram unlses otherwise noted.)

Farameter and Analysis Method			Field Sample No.: DANGIS-2-SLG-SD-1 DANGIS-2-SLZ9-SD-1 DANGIS-2-SLZ-SD-1		
		Lab Sample No.:	880)2800	88092801	88092799
HALOGENATED VOLATILE ORGANICS (SW 8019)	(0108 M:				
Data Package			#24	, #2#	121
Benryl Chloride	0.50		Þ	Ù.	כ
Bis(2-chloroethoxy)methane	80		ם	D	0
Bis(2-chloroisopropyl)ether	5.0		ח	ם	ח
Bromobenzene	0.50		ם	ב	ב
Bromodichloromethane	0.10		ב	n	n
Bromoform	0.20		מ	Þ	n
Bromoethane	12		ם	כ	כ
Carbon Tetrachloride	0.12		n	n	<b>¬</b>
Chloracetaldehyde	200		<b>5</b>	n ,	ס
Chloral	20.0		n	n	•
Chlorobenzene	52.0		ם	מ	כ
Chloroethane	0.52		ם	D	<b>&gt;</b>
Chloroform	50.0		ם	מ	ລ
1-Chlorobexane	0.50		⊃	Ω	2
2-Chloroethyl Vunyl Ether	0.13		ב	Ω	Ω
Chloromethane	90'0		Þ	ם	2
Chloromethyl Methyl Ether	5.0		D	ם	כ
Chlorotoluene	0.50		D	Þ	ם·
Débromochloromethane	0.00		Þ	ם	5
Dibromocthane	050		ם	S	כ
1,2.Dichlorobenzene	0.15		ם	ם	a
1.3-Dichlorobenzene	0.32		n	ם	ם •
1,4.Dichlorokenzene	0.24		Þ	n	ם
Dichlorodifluoromethane	1.8		ב	ם	>
I,1-Dichloroethane	0.07		D	Ð	כ
1.2-Dichloroethane	0.03		Þ	מ	כ
1,1-Dichloroethene	0.13		Þ	Ð	כ
Trans-1,2-Dichloroethene	0.10		<b>D</b>	מ	
Dichloromethane	0.25		8 8	51 13	52
1,2-Dichloropropane	<del>1</del> 00		Þ	D	ב
1.3-Dichloropiopylene	034 034		D	ם	ם
1,12,2-Tetrachloroethane	0.03		Ð	n	Þ
1,1.1,2-Tetrachloroethane	05.0		D	ם	ב
Tetrachlorecthene	003		Ð	כ	כ
I,1,1-Trichloroethane	0.03		Þ	n	>
1,1,2-Trichloroethane	0.02		D	ח	כ
Trichloroethene	0.12		Ð	D	0.26
Trichlorofluoromethane	050		Þ	ם	ם
Trichlorographane	0.50		ລ	<b>&gt;</b>	ח
Vinyl Chloride	0.18		D	מ	ב

Sediment

Parameter and Analysis Method	Method Detection Limit	Well/QC No.: Date Sampled: Field Sample No.: Lab Sample No.:	Well/QC No.:         SL6 DUP         SL7           Date Sampled:         9.26-88         9.26-88         9.26-88           Field Sample No.:         DANGB-2.SL25-SD-1         DANGB-2.SL25-SD-1         DANGB-2.SL25-SD-1           Lab Sample No.:         88022800         88022801         8802299	SL6 DUP 9-26-88 AGB-2-SL29-SD-1 88092801	SL7 9.26-88 DANGB-2.SL7-SD-1 88092799
AROMATIC VOLATILE ORGANICS (SW 8020)	-				
Data Package			121	121	70
Benzene	0.2		מ		=
Chlorobenzene	0.2			=	
12-Dichlorobenzene	0.4		; <b>&gt;</b>	0 0	> =
1,3-Dichlorobenzene	0.4		Ð	ם ה	
1,4.Dichlorobenzene	03		· •	• •	ח
Ethyl Henzene	0.2		n	• •	ם ס
Toluene	07		ח	n	=
Total Xylenes	0			=	2

Table L.6 Site 2 - Sediment Page 2

	Detection	Date Sampled:	Date Sampled: 9-26-88 9-26-88 9-26-88	9.26-88	9.26-88
Parameter and Analysis Method		Lab Sample No.:	88092800	10820088	DANGIF-2-SL7-SI9-1 88092799
ŜĒMI-VOLATILE ORGANICS (SW 8270)					
Data Pádkage			121	124	#2#
1.3.Dichlorobenzene	330		n	מ	ח
1.4.Dichlorobenzene	330		Þ	· <b>ɔ</b>	ם ס
Hexachloroethane	330		ר	ח	ח
Bis(2-chloroethyl)ether	330		ם	ם	n
1,2-Dichlorobenzene	330		n	מ	n
N-Nitrosodimethylamine	330		ח	כ	2
Bis(2-chloroisopropy1)ether	330		n	ם	ה ח
N-Nitrosodi-n-propylamine	330		Ω	מ	מי
fexachlorobutadiene	330		ח	.5	ה ה
1,2,4-Trichlorobenzene	330		n	כ	מ
Nitrobenzene	330		n	מ	ם
Isophorone	330		<b>&gt;</b>	2	2
Naphthalene	330		n	כ	
Bis(2-chloroethovy)methane	330		ם י	כי	
2-Chloronaphthalene	330		ם	<b>-</b>	
Hexachlorocyclopentadiene	330		ם	ח	5
Acenaphthylene	330		ם	O	ב
Acensphthene	330		ם	n	כ
Dimethyl Phthalate	330		ח	n	ث
2,6-Dinitrotofuene	330		ם	מ	מ
Fluorene	330		n	ב	n
24-Dinitrotoluene	330		Ω	ח	ם
Diethyl Phthalate	330		ם	ם	D
N-Nitrosodiphenylamine	330		n	ם	n
Hexachlorobenzene	330		ם	D	Ð
Phenanthrene	330		ם	ກ	D
Anthracene	330		ם	n	ח
Dabutyl Phthalate	330		ກ	Þ	n
Nuoranthene	330		n	ח	ח
4-Chlorophenyl Phenyl Ether	330		ח	ח	ກ
lyrene	330		n	ח	ם
Butyl Benzyl Phthalate	330		מ	n	D
Bis(2-ethylhexyl)phthalate	330		D	ם	ח
Chrysene	330		ם	Ω	n
4-Bromophenyl Phenyl Ether	330		ח	ם	ם
Benzo(a)anthracene	330		n	ם	Ď
Di-n-octylphthalate	330		ח	כ	D
Nenzo(b)fluoranthene	330		D	5	=
Benzo(k)fluoranthene	330		ב	=	· =
Bénzidine	2000		n	· =	, =
3.3. Dichlorobenzidine	0009	•	Þ	ם י	, 2
Benzo(a)pyrene	330		2	2	
Indeno(1,23-cd)pyrene	330		• •	· >	) D
Dibenzo(a,h)anthrocene	330		D	: >	
Benzo(abilicantene	٥٢٤		• :	<b>,</b> ;	
	7				=

Table L-6 Site 2 - Sediment

Detection   Date Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.   Day Sample Not.	Limit raind Analysis Method  Limit raind Analysis Method  Limit raind Analysis Method  Limit  Limit  Limit  Limit  Limit  Limit  Limit  Limit  Limit  Limit  Limit  Limit  Limit  Continued page 2   Linit  Limit  Continued page 2   Linit  Limit  Continued page 2   Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit  Linit		Method	Well/QC No.:	SIG	เง	
Limit rand Analysis Method  CLATILE ORGANICS (SW 8270) Continued page 2  none  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naphthalene  naph	Limit rand Analysis Method  LickTILE ORGANICS (SW 8270) Continued page 2  none naphthalene naphthalene nythydrazine hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonate hanesulfonat		Detection	Date Sampled:	9-26-88	9-26-88	9-26-88
DATAILE ORGANICS (SW \$270) Continued page 2   0   0   0   0   0   0   0   0   0	Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description	Parameter and Anabais Method	Límit	Field Sample No.: 1	)ANGB-2-SL6-SD-1 I 88002801	DANGB-2-SL29-SD-1	DANGB-2-SL7-SD-1
DLATILE ORIGINATION (SW 8270) Constitued page 2	DIATRIE ORGANICS (SW \$270) Confined page 2			con Sombie 140.	0007(000	1007600	6176000
10   10   10   10   10   10   10   10	### ### ##############################	SEMI-VOLATILE ORGANICS (SW 8270) (	Continued page 2				
ypersoft	yphenyd  aphthalene  aphthalene  thyberackyamine  miny  aphthalene  aphthalene  aphthalene  aphthalene  thanesulfonate  botanthene  thanesulfonate  aphthalene  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate  thanesulfonate	Acetophenone	•		ם	ח	ם
paychey)  1	whiline  array  array  array  array  array  array  ballohalene  ballohalene  banesulionate  banesulionate  banesulionate  banesulionate  array  array  array  banis  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array  array	Aniline	•		מ	ם	ם
animine 600 U U U U U U U U U U U U U U U U U U	and indicate the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	4-Aminobyphenyl	•		ח	ח	ם
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aphthalene 339 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by demander 5.20 by deman	Amaine   330   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500   1500	Methylmethanesulfonate	•		ם	ח	*>
Admition   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Com	Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   Jamine   J	2-Methylnaphthalene	330		ח	Ð	<b>¬</b>
1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,00	1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000   1000	1-Naphthylamine	•		D	Ω	
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piperidicine	robenzene  robenzene  romitrobenzene  rachlorobenzene  ra	N-Nitroso-di-n-butylamine	•		Ω	ח	2
robenzene	robenzene  n  n  rollitobenzene  rachlorobenzene  hlorobenzene  rachlorobenzene  rachlorobenzene  rachlorobe	N-Nitrosopiperidiene	•		ב	ם	ב
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rachlorobenzene	rachlorobenzene	Pentachloronitrobenzene	•		ם	n	D
rachlordsenzene	rachlorobenzene	Phenacetin	•		<b>&gt;</b> :	ָב כ	<b>&gt;</b> :
rechlorobenzene	rechlorobenzene	2-Ficoline	•		<b>&gt;</b> ;	<b>o</b> :	<b>)</b>
Trachlorobenizate  11	rachlorobenzene (rg ilitC	Fronamide	•		<b>D</b> :	<b>&gt;</b>	<b>D</b>
	IIIC 660  In 1 330  In 2 500  In 2 500  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330  In 330	1,2,4,5-Tetrachlorobenzene	•			D .	<b>&gt;</b>
1915  1916  1917  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918  1918	r fpovide 330	Alpha-BilC	•			: ם	<b>D</b> :
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Tr. 500 U U U U U U U U U U U U U U U U U U	1330 C S S S S S S S S S S S S S S S S S S	Beta-BilC	93		ב	n	a a
Soo U U U U U U U U U U U U U U U U U U	S00 330 330 330 330 330 330 330 330 330	Heptachlor	330		Ð	ם	Þ
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n I	an I 500 1000 1000 1000 1000 1000 1000 100	Heptachlor Epovide	330		ח	n	<b>5</b>
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n M Solitate Soo U U U U U U U U U U U U U U U U U U	1) 500 830 830 830 830 830 830 830 830 830 8	Endrin	•		5	<b>D</b> .	<b>-</b>
500     U     U       820     U     U       Gehyde     .     U     U       itone     .     U     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into tone     .     Into tone     U       into t	\$00 \$30 \$30 \$30 \$30 \$30 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$4	Endosulfan II	•		n	Ω	<b>o</b>
830 U  Sulfate 1000 U  - hyde - U  - O  - O  - O  - O  - O  - O  - O	830 Sulfate 1000 hyde	-4,4"-DDD	200		ວ	n	<b>.</b>
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	ehyde	Endosulfan Sulfate	1000		Ω	Ω	ם
	or 2000	Endrit, Aldehyde	•		ב	n	כ
2000	2000	Endrin Ketone	•		ם	n	כ
	. 5000	Chlordane	2000		n	2	כ
	2000	Methoxychlor	•		ם	n	2

Fable L-6 Site 2 - Sediment

	Memor	mell/ or Mar	ols Sign	10010010	170
	Detection		9-50-88	9.26-88	9-26-88
Parameter and Analysis Method	Limit	Field Sample No.: DA	DANGB-2-816-SD-1 DANGB-2-S129-SD-1 DANGB-2-SL7-SD-1 8807280-1 8807280-1	GB:2-SL29-SD-1 88092801	DANGII-2-SL7-SD-1
	) 				
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	Continued page 3				
Aroclor-1016	2000		ם	ם	ב
Aroclor-1221	2000		Ð	כ	ם
Aroclor 1232	2000		ם	מ	ם
Aroclor-1242,	2000		ם	<b>?</b>	n
Arochir-1248	2000		<b>D</b>	מ	a
Aroclor-1254	2000		Ð	Þ	ח
Aroclor-1260	2000		D	ר	ס
2-Chlorophenol	330		D	ב	ם
2-Nurophenol	330		מ	כ	ח
Phenoi	330		n	5	>
2,4.Dimethylphenol	330		ລ	•	ס
2,4-Dichlorophenol	330		<b>D</b>	<b>-</b>	2
24.6-Trichlorophenol	330		>	<b>D</b>	Þ
4-Chloro-3-methylphenol	099		>	ם	כ
2,4-Dinitrophenol	0091		Þ	כ	ב
2,6-Dichlorophenol	•		Þ	כ	כ
2-Methyl-4,6-dinitrophenol	1000		Ω	n	Þ
Pentachlorophenol	1600		P	ב	ם
4-Nitrophenol	1600		ח	ם	Ð
Benzoic Acid	1600		Þ	כ	<b>5</b>
2-Methylphenol	330		n	<b>=</b>	<b>&gt;</b>
3&4-Methylphenol	330		n	<b>n</b>	ם
2,3,4,6 Tetrachlorophenol	•		>	9	•
2,4,5-Trichlorophenol	330		n	2	Þ
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	(EPA 418.1)				
Data Package			124	#24	424
Units: mg/kg	100		v 100	120	× 100
MOISTURE, ETC.					
Data Package			***	123	#24
Units: Weight percent			16.9	22.5	21.5
METALS (Units mg/kg)					
Data Package	•		124	72.	424
Arsenic (SW 7060)			0,00076	100'0	13
Barium (SW 6010)			53.9	52.2	
Cadmium (SW 7131)			< 0.87	× 0.88	•
Chromium (SW 7191)			N 0'61	21.9	7
Lead (SW 7121)	•		. 4.8	6.7 S	
Mercury (SW 7471)			<0.00017	× 000018	< 0 00012

Table L-6 Site 2 - Sediment Page 6

Data Package # Numbers refer to Data Packages in Appendix M.

B For organic analyzes, the parameter was detected in the laboratory blank as well as the sample.

N For metals the perventage recovery of the spiked sample was not within the control limits.

S For metals the reported value was determined by the method of standard additions.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

* Duplicate not within control limits.

< Less than.

The LPA has not yet reported on a method detection limit for this parameter.

TABLE L-7
SITE 2
MINNESOTA AIR NATIONAL GUARD BASE
DULUTH, MINNESOTA
SUMMARY OF CHEMICAL ANALYSES FOR SOIL SAMPLES
(Results in micrograms per kilogram unless otherwise noted.)

						•				ş
		Townson (Const.)								
	Method	Sample Death (0):	160-lind	755-1110	TSS-IIIIS	SSS-IIIG	B111-SS6	BH2-SS1	BH2-SS4	BH2-SS6
	Detection	Sample Date:	7.70.88	7.70 Se	\$ \$ \$ \$ \$	8-10	10-12	0.5	8-9	10.12
	Umit	Field Sample No.	DANGB-2-8111-SS1	DANGB-2-11111-552	DANGR.2.RITI.CCA	7.29-88 DANGU 2 IUU 585	7.30-88	7.30-38	7:30-88	7-30-88
Parameter and Analysis Method		Lab Sample No.:	12217088	8×071553	89071552	88071555	88081589	DANGB-2-HH2-SS1 89081590	DANGB-2-BH2-SS4 88081591	DANGB-2-BH2-SS6 88081592
HALOGENATED VOLATILE ORGANICS (SW 1810)	RGANICS (SW	Ø10)							,	
Benzyl Chloride	050									
Bis(2-chloroethoxy)methane	5.0									
Bis(2-chlorolsopropyl)cther	5.0									
Bromobenzene	050									
Bromodichloromethane	0.10									
Вготобот	80									
Bromoethane	12									
Carbon Tetrachloride	0.12									
Chloracetaldehyde	200									
Chloral	800									
Chlorobenzene	0.25									
- Chloroethane	0.52									
	20.0		Note 1.	Note 1.	Note 1.	TotoN.	I don	- Total	7	•
J. 1-Chlorohexane	050							Note 1.	Note 1.	Note 1.
2-Chloroethyl Vunyl Elber	0.13				•					
Chloromethane	800		Š	Şç	Şe	S.	3	35	į	
Chloromethyl Methyl Ether	80		SW8010	SWA010	SW8010	SW8010	SWRID	366	366	See
Chlorotoluene	0.50		Analysis	Analysis	Analysis	Analysis	Anabaic	Olovica	Olusian A	0108MS
Dioromochloromethane	60'0		for	for	for	for	en france	entanysis.	Sisting	sizyanv
Dibromomethane	050		DHI R-SSI	IIII R-SS2	BILLRASS	BHI R-SSS	NII RASK	101 195 B C118	10I 23 d c/10	Tor Torus
1,2-Dichlorobenzene	0.15		88092215	88092216	88002217	88092219	8809223	889777	88003336	BHZ K-556
1,3-Dichlorobenzene	032									1777 6000
1.4-Dichlorobenzene	0.24								*	
Dichlorodifluoromethane	8.1									•
1,1-Dichloroethane	200									
1,2-Dichloroethane	003									
1,1-Dichloroethene	0.13									
Distinguished	0,10									
12-Distlementance	9 8						•			
13-Dichlomomodese	4 6	•								
1.1.2.2.Tetrachlomethane	3 8									
1.1.1.2 Tetrachloroethane	80									
Tetrachlomethene	100									
1,1,1-Trichloroethane	500									
1.1.2.Trichlomethane	600									
Trichloroethene	0.12									
Trichlorofluoromethane	80									
Trichlomonanane	950									
Vinyl Chloride	0.18									
	1									

Table L.7 Site 2 - Soil Page 1B

Parameter and Anabeit Method	Method Detection Limit	Location/OC No: Sample Depth, (ft): Sample Date: Field Sample No: 1 sh Sample No:	BH2-SS9 16-18 7-30-88 DANGB-2-BH2-SS9 88081901	BHI R-SSI 0-2 8-30-8 DANGH-2-HH-SSI	BIII R-SS2 24 8-30-88 DANGB-2-BIII-SS2 88003316	BHI R-SS3 6-8 8-30-88 DANGIJ-2-BHI SS3	BHI R-SS4 8-10 8-30-8 DANGB-2-BHI-SS4	BHI R.SSS 10-12 8-30-88 DANGB-2-BHI SSS	BIII R-SS6 15-17 8-30-88 DANGB-2-BHI-SS6	BHI R-SS7 22-24 8-30-88 DANGB-2-BHI-SS7
IKLOGENATED VOLATILE ORGANICS (SW 8010)	GANICS (SW	8010)						(177/000)	777/000	,
Data Package	•	•		357	\$38	#35	138	<b>4</b> 35	#32	632
Benzyl Chloride	8			D	D	5	5	n	2	=
Bis(2-chloroethoxy)methane	20				; D	5	; <b>D</b>	) <b>&gt;</b>	ם מ	כס
Bis(2-chloroisopropyl)ether	20			n	5	מ	ם ב	ח	מי	ם ה
Bromobenzene	0,50			Ð	5	מ	n	`. <b>D</b>	n.	ם
Bromodichloromethane	0.10			n	ם	ח	Ω	n .	n	n
Bromóform	0 <del>.2</del> 0			<b>-</b>	۵,	מ	כ	n	Ð	ם
Bromoethane	7			D	, D	מ	Ω	ם	n	ם
Carbon Tetrachloride	0.12			n .	<b>-</b>	ם	ח	D	Ω	D
. Chloracetaldehyde	800			<b>¬</b>	<b>5</b>	ם	D	ח	ם	ם
Chloral	200			<b>ɔ</b> :	<b>&gt;</b>	ם	ם	Þ	ם	ລ
Chlorobenzene	22.5			: c	<b>ɔ</b> :	ב	Þ	n	Ω	n
Chloroethane	0.52			<b>ɔ</b> :	<b>&gt;</b> :	ם י	ב	Þ	<b>.</b>	a
Chlorotom	8 5			<b>:</b>	<b>)</b>	1,7 B	0.90	090	0.44 B	148
	3			> =	> =	o =	9 =	o =	<b>.</b>	o ' <b>:</b>
Chloromethane	800			כי	2	) =	<b>-</b>	<b>.</b>	0 5	> =
	80			ס	ם	<b>5</b>	ם	· >	5	· >
Chlorotoluene	050			n	ח	ח	n • .	Þ	D	Ω
Dibromochloromethane	60'0		Note 1.	n	n	ם	ח	ם	n	n
Dibromomethane	0 <del>,</del> 0			כ	ח	ח	>	<b>D</b>	ם	<b>,</b>
1,2.Dichlorobenzene	0.15			5	:	260	8	36	ם	<b>a</b>
1,3-Dichlorobenzene	032			ח	•	P	ס	Þ	ם	Đ
1.4.Dichlorobenzene	0.24			ם	ם	n	מ	Ð	Ď	ח
Dichlorodifluoromethane	87			ם	>	ם	ם	ח	ב	Þ
1,1-Dichloroethane	70,0			<b>&gt;</b> :	ם:	ם :	ם :	ב כ	<b>:</b>	<b>D</b> :
1,2-Dichloroethane	500			<b>-</b>	<b>5</b> ;	<b>D</b>	<b>&gt;</b> :	: D	<b>ɔ</b> :	<b>&gt;</b>
1,1-Dichlorocihene	6.13 6.13			<b>&gt;</b>	<b>&gt;</b> :	<b>-</b> 9	<u>۽</u> د	5 ;	: כ	<b>:</b>
Dichlormethan	0.25			528	197	12 II	17	4, C	2 2	<b>=</b>
1 2.Dichloronmoane	2								=	? =
13-Dichloropropriene	त्र			כס	מ	כס	<b>&gt;</b> >	<b>&gt; &gt;</b>	2 2	כס
1,1,2,2-Tetrachlorocthane	0.03			n	ב	כ	n	5	D	ם
1,1,1,2-Tetrachloroethane	050			ח	n	n	n	כ	מ	D
Tetrachloroethene	0.03			5.2	מ	1.0	63	60	Ď	D
1,1,1-Trichloroethane	0.03			Đ	ר	ב	ם	Þ	Ω	Þ
1,1,2-Trichlomethane	0.02			<b>n</b>	ם	ם	ם	מ	<b>D</b> .	э.
Trichloroethene	0.12			1.9	1.8	28	15	<b>63</b>	2	ž
Trichlorofluoromethane	950			ສ	<b>¬</b>	ב	ם	ם	ם	Ω
Trichtoropropane	8			>	P	Þ	Þ	D	<b>D</b>	i i
Vinyl Chloride	0.18			<b>&gt;</b>	n	D	ח	D	D	ח

Table L-7 Site 2 - Soil

		;						-		
		Location/OC No:	H142 R-551	HIZ R-552	BHZ R-SS3	BH2 R-554	BH2 R-SS5	DH2 R-SS6	MW12A-SSI	MWIZA-SSI DUP
	Method	Sample Depth, (ft):	0.5	<b>5.</b> 6	10-12	14:15	20:22	24-25	0.5	
	Detection	Sample Date:	8-30-88	8-30-88	8-30-88	8-30-88	8-30-83	830-88	, 8-2-88 ·	88.5.88
Parameter and Analysis Method	Limit	Field Sample No.: Lab Sample No.:	DANGB-2-BH2-SS1 8807220	DANGB-2-BH2-SS2 8892221	DANGB-2-BH2-SS3	DANGB-2-BH2-SS4 88092225	DANGB-2-BH2-8S5 8892226	DANGB-2-BH2-SS6- 8892277	DANGB-2-BH2-SS6 DANGB-2-MW12-SS1 8899227 88981651	DANGB-2-MW12-SS4
INTOGENATED VOLATILE ORGANICS (SW 2010)	JGANICS (SW.									
		· ·	,							
Data Package			33	735	/35	<b>4</b> 32	132	#35	<b>\$</b> 14	<b>114</b>
Benzyl Chloride	050		ב	מ	מ	ח	מ	Û	Þ	ב
Bis(2-chloroethoxy)methane	5.0		ם	n	Ω	D	Ω	ם י	ב	5
Bis(2-chloroisopropy1)ether	2.0		ב	D	ם	מ	מ	Ċ	ח	Đ
Bromobenzene	050		מ	ח	2	ລ	ב	ם	n	Þ
Bromodichloromethane	0.10		כ	ם	ח	ם	ם	Þ	D	Ω
Bromoform	070		2	a	ס	ב	כ	ם	D	ב
Bromoethane	7		ם	ם	<b>¬</b>	מ	Þ	<b>5</b>	D	ם
Carbon Tetrachloride	0.12		>	n	כ	מ	ם	D	ם	ם
Chloracetaldehyde	200		ם	ח	Þ	מ	n	ם	n	כ
Chloraf	800		כ	Ω	<b>&gt;</b>	n	מ	Þ	ם	ם
Chlorobenzene	0.25		n	Þ	ם	ב	ם	ב	ם	Þ
Chloroethane	0.52		>	ລ	ם	מ	ס	ם	ລ	Þ
	900		138	ם	33 B	1.7 B	0.43 B	0.33 B	0.06 B	ב
	050		כ	ב	ב	ח	5	n	ם	ח
2-Chloroethyl Vinyl Ether	0.13			כ	ב	D	>	ם	D	ס
Chloromethane	900		ລ	n	D	ם	ם	ם	n	Ð
Chloromethyl Methyl Ether	20		ב	ם	כ	ח	Ω	מ	ם	כ
Chlorotoluene	050		ם	ם	ח	n	D	ם	Ω	Ð
Dibromochloromethane	600		>	כ	5	כ	ם	ם	מ	: כ
Dibromomethane	050		e e	<b>D</b>	<b>D</b>	: C	<b>&gt;</b>	<b>D</b> ;	ה ה	o :
1,2.Dichlorobenzene	0.15		9. T	: 3	<b>:</b>	<b>&gt;</b> :	<b>&gt;</b> :	<b>:</b>	<b>&gt;</b> :	<b>;</b>
13-Dichlorobenzene	032		<b>)</b>	o :	o :	<b>ɔ</b> ;	<b>&gt;</b> :	o :	<b>)</b>	<b>&gt; :</b>
1.4-Dichlorobenzene	7 .		<b>&gt;</b> :	<b>:</b> c	<b>&gt;</b> :	<b>&gt;</b> :	<b>:</b>	ā, c	<b>)</b>	<b>)</b>
Dichlorodifluoromethane	<b>8</b>		<b>&gt;</b> :	<b>:</b>	<b>:</b>	<b>:</b>	<b>:</b>	<b>&gt;</b>	<b>.</b>	<b>-</b>
1,1-Dichloroethane	(gg		<u>۽</u>	o e	<b>-</b>	o =	> =	> <b>=</b>	<b>=</b>	> =
1.Deltonethere	0.13		3 =	=	=	· =		, <u>,</u>	) I	, 5
Trans-12-Dichloroethene	0.10		8	8	81	5	, ,	5	n	n
Dichloromethane	0.25		7.8 13	19 B	4,0 B	151	3.2 B	198	1.0 B	1.0 B
1.2.Dichloropropane	100		ח	ם	ח	ם	<b>n</b>	Þ	ם	<b>D</b>
1.3-Dichloropropylene	034		ם	ם	n	n	ם	כ	Ð	D
1,12,2-Tetrachloroethane	50.0		ח	11	n	n	Ω	D	ם	D
1,1,1,2.Tetrachlorocthane	0.50		ם	ח	D	ח	D	Þ	n	<b>a</b>
Tetrachloroethene	0.03		2300	150	0.7	D	D	n	<b>D</b>	ח
1,1,1-Trichloroethane	0.03		Þ	ב	Þ	D	ב	<b>ɔ</b> ·	Þ	2
1,1,2-Trichlorgethane	200		ם	Ð	n	ח	Þ	n	ם	<b>¬</b>
Trichloroethene	0.12		0091	11	72	ח	>	כ	⊃.	S
Trichlorofluoromethane	0.50		ם	ב	ם	ם	n	ם	ם	ם
Trichloropropane	0.50		<b>¬</b>	ב	5	ם	ח	ח	A	<b>.</b>
Vinyl Chloride	0.18		ם	מ	n	Þ	D	Ð	n	Þ

Table L.7 Site 2 - Soil Page 1D

		Location/OC No:	MWIZA-SS3	MW12A-555	MWI3A-SSI	MWI3A-SS3	MWI3A-SC	NW37-SSI	WW37.552	- 700 / CO
	Method	Sample Depth. (tt):	\$15		0.5	8-10	14-15		, X	\$5
	Detection	Sample Date:	8.5.88	~	8.5.88	8.5.88	8-5-88	8.	8-15-88	8
	Limit	Field Sample No.:	DANGB-2-MW12-SS3	DANGB-2-MW	DANGB-2-MW	DANGB-2-MW13-SS3	DANGB-2-MW13-SS4	DANGB-2-MV	DANGB-2-MW37-SS2	DANGB-2-MV
Parameter and Analysis Method		Lab Sample No.	88081662	88081663	88081692	89081693	88081694	88081883	88081884	88081887
HALOGENATED VOLATILE ORGANICS (SW 2010)	RGANICS (SW 8	(010			•		,			
Data Package			114	414	16.4	131	, j	152	<b>#</b> 52	. +52
Benzyl Chloride	050		מ	0	ח	n	n	. 🗅	, ,	,
Bis(2-chloroethoxy)methane	20		מ	ח	ם	n	n	D	D	ח
Bis(2-chloroisopropyl)ether	2,0		ח	ם	D	ח	ח	Ω	ם	<b>.</b>
Bromobenzene	050		ח	כ	n	Ω	n	n	ם	מ
Bromodichlororaethane	0.10		ם	n	ם	ב	D	ס	ם	٥
Вготобот •	070		•	n	D	מ	n	n	. <b>ɔ</b>	ם
Bromoethane	12		ם	ח	n	כ		Þ	Α.	כ
Carbon Tetrachloride	0.12		Ω	ח	n	n	ב	Ω	ח	ם
Chloracetaldehyde	ocs		ח	n	D	Ω	ם	n	ב	c,
Chloral	200		״	n	ם	ח	n	ם	ם	מ
Chlorobenzene	220		ם	n	כ	D	n	ם	כ	כ
Chloroethine	0.52		ר	D	ם	•	<b>D</b> .	D	ם	ב
Chloroform	0.05		מ	0.12 13	ם	ח	Ω.	0.17 B	ב	ם
1-Chlorobexane.	0.50		כ	ם	מ	ם	ח	ב	ב	<b>5</b>
2-Chloroethyl Vinyl Ether	0.13	•	כ	ר	מ	ລ	n	D	n	<b>.</b>
Chloromethane	80.0		ח	n	ב	ם	Ω	D	בי י	<b>&gt;</b> :
Chloromethyl Methyl Ether	os ;		: ם	<b>&gt;</b> ;	<b>&gt;</b> :	<b>:</b>	<b>&gt;</b> :	D ·	<b>&gt;</b> ;	<b>&gt;</b> :
Chlorotoluene	050					<b>&gt;</b>	<b>o</b> :	<b>)</b>	<b>)</b>	<b>)</b>
Dibromochloromethane	600		<b>-</b>			<b>&gt;</b> =	o =		o	
1.2 Distlantante	3 5		> =	=	) =	=	=	2		
13-Dichlombenzene	033			) =	<b>5</b>	0 0		ם מ	כפ	
1.4.Dichlorobenzene	620		כס	ם י	כי	ח		D	כ	ח
Dichlorodifluoromethane	1.8		מ	ם	D	n	ם	D	מ	ח
1,1-Dichloroethane	200		מ	מ	n	ח	ם	ם	ם	Þ
1,2-Dichloroethane	0.03		Ω	n	n	Ω	n	ם	ם	D
I,I-Dichloroethene	0.13		ם י	<b>つ</b> :	ם י	n :	י ב	D:	<b>&gt;</b> :	<b>D</b> ;
Trans-1,2-Dichloroethene	0.10		n ְ	מ	D	<b>n</b>	P	Ω		
Dichloromethane	\$20		168	1.7 B	8 6 6	438	D 77	6.0 B	29 B	3.8
1.2-Dichloropropane	700		ב	כ	D	Ð	<b>D</b>	ם	<b>D</b>	
1.3.Dichloropropylene	70		כ	כ	ב	ח	ח	D	Þ.	<b>&gt;</b>
1,1,2,2.Tetrachloroethane	0.03		ς,	ח	ם	ם	מ	ח	Ď	<b>&gt;</b>
1,1,1,2-Tetrachloroethane	8		כ	<b>n</b>	<b>n</b>	D	D	D	D :	<b>5</b> ;
Tetrachloroethene	003		D	ח	<b>n</b>	D	: כ	D :	ָר בּ	<b>:</b>
1,1,1-Trichloroethane	003		ם	<b>&gt;</b>	ח	<b>D</b>	<b>⊃</b>	Ω	<b>D</b> :	<b>D</b> ;
1,1,2-Trichloroethane	0.02		מ	כ	ח	ח	מ	Þ	ם	<b>D</b>
Trichloroethene	0.12		n	D.	>	D	ב	ב	ם	<b>&gt;</b>
Trichlorofluoromethane	050		Ω	מ	ם	ם	ח	ם	Þ	Ð
Trichloropropane	050		מ	<b>ח</b>	n	2	<b>¬</b>	ם	ם	ם

Table L7 Site 2 - Soil Pers 17

		Location/OC No:	MW37-SS3	MW37-SS4	MW38-SS1	MW38-SS2	WW38-SS3	ISS-6EMW	MW39-SS2	MW39:SS3
	Method	Sample Depth, (n):	16-17		61.5	9.10.5	17.19	3	95	
	Detection	Sample Date:	\$-15-88		8-13-88	8-13-88	8-13-88	8-15-88		8-15-88
Parameter and Analysis Method	Umit	Leb Sample No.:	DANGE-2-MW37-SS3 Receires	DANGII-2-MW37-SS4 R*081R*6	DANGB-2-MW38-SSI 88081877	DANGII:2:MW38:SS2 88081878	DANGB-2-MW38-SS3 82081879	DANGII-2-MW39-SSI 89081888		DANGB-2-MW39-SS2 DANGB-2-MW39-SS3 88081889 R8081890
INLOGENATED VOLATILE ORGANICS (SW 8010)	RGANICS (SW	, (otox				* **				
Data Package			452	152	415	¥15	#1S	#52	#52	# \$2
Benzyl, Chloride	050		כ	D	ם	מ	ם	n	a	· Þ
Bis(2-chloroethoxy)methane	20		ב	ם	D	ב	מ	מ	D	5
Bis(2-chloroisopropyl)ether	80		כ	מ	Ð	Ù	ח	מ	ם	· Þ
Bromobenzene	050		ם	ח	מ	ם	ח	ס	2	ם
Bromodichloromethane	0.10		ם	n	מ	n	מ	Ω	<b>5</b>	מ
Bromoform	070		ח	כ	ח	ם	ח	ם	כ	2
Bromoethane	7		ב	Ω	ח	n	ח	U	ם	ם
Carbon Tetrachloride	0.12		<b>5</b>	>	Þ	ח	<b>D</b> .	ח	5	כ
Chloracetaldehyde	800		כ	Ω	ב	ח	n	ח	ם	ב
Chloral	800		ב	ח	ח	n	n	מ	ח	כ
Chlorobenzene	270		ח	כ	ח	ם	n	מ	n	ם
Chloroethane	0.52		ם	n	n	n	מ	ח	ם	ם
Chloroform	900		כ	Ω	0.08 B	ח	0.2 B		n	ח
1-Chlorobexane	0.50		ם	מ	ח	מ	n	מ	a	מ
2-Chloroethyl Vinyl Ether	0.13		כ	٦.	ກ	2	n	מ	n	n
Chloromethane	80°0		ם	<b>&gt;</b>	<b>&gt;</b>	ם	ח	ח	ם	ח
Chloromethyl Methyl Ether	20		ב	מ	כ	ם	C	Ω	D	n
Chlorotoluene	050		D	ח	ם	D	כ	2	Þ	ם
Dibromochloromethane	60'0		כ	מ	ם	Þ	<b>.</b>	ລ	2	<b>ח</b>
Dibromomethane	જુ		ם	כ	n	ב	D	מ	<b>&gt;</b>	ם
1,2-Dichlorobenzene	0.15		ם		<b>5</b>	ס	כ	ב	<b>5</b>	ם
1.3-Dichlorobenzene	0.32		: כ	מ	<b>&gt;</b>	<b>&gt;</b>	<b>5</b>	מ	ה :	<b>&gt;</b>
1.4.Dichlorobenzene	0.24		ב	Ω	ב	ם	ב -	מ	Þ	<b>.</b>
Dichlorodifluoromethane	<b>2</b>		ב י	ח	י כ	D ·	ם י	<b>ɔ</b> ;	<b>&gt;</b>	n :
1,1-Dichloroethane	000		Ð	ח	<b>ɔ</b> ,	Đ	n	ב	<b>a</b> :	: ס
1,2.Dichloroethane	SZO SZO		בי ה	ם	<b>&gt;</b>	ם י	n	ב י	D :	<b>&gt;</b> ;
1,1-Dichloroethene	0.13		Þ	n .	ב	ם	ם	Þ	י כ	<b>&gt;</b>
Trans-1,2-Dichloroeithene	0.10		<b>5</b>	Ω	D	ם	ם	ם	<b>.</b>	
Díchloromethane	ध्र		2.1 B	2.2 B	6.1 B	6.5 B	63 B	18 B	4.6 B	49
1.2.Dichloropropane	80		5	<b>&gt;</b>	ລ	>	<b>&gt;</b>	מ	<b>ɔ</b> ′	Þ
1.3-Dichloropropylene	70		<b>D</b>	כ	ח	ח	n	ם	<b>D</b>	Ð
1,1,2,2-Tetrachloroethane	003		ב	<b>&gt;</b>	<b>&gt;</b>	ב	<b>¬</b>	ם	<b>D</b>	<b>5</b>
1,1,1,2-Tetrachiomethane	0.50		ם	מ	ם	ב	כ	ລ	<b>D</b>	ב
Tetrachloroethene	0.03		ם	n	n	>	2	Ω	ם	>
1,1,1-Trichlorocthane	0,03		ם	n	D	ם	D	n	מ	<b>D</b> .
1,1,2 Trichloroethane	0.02		D	כ	ח	<b>D</b>	2	מ	ח	Ď.
Trichloroethene	0.12		מ	כ	n	n	'n	מ	כ	Ð
Trichlorofluoromethane	0.50		ח	כ	ם	n	ח	ם	<b>&gt;</b>	a
Trichloropropane	0.50		ם	כ	ם	ח	n	ם	Þ	<b>&gt;</b>

Table L.7 Site 2 - Soil Page 1F

		Location/QC No:	MW40-SSI	MW40-SS2	MW40-SS3	MW41-SS1	MW41-SS1 DUP	MW41-SS2	MW41-SS2 DUP	MW41-SS3
	Method	Sample Depth, (ft):	3	7-8	155-165	8.0	6.5	\$-15	5.15	15:20
	Detection	Sample Date:	8-16-88	8-16-88	8-16-88	8-17-88	8-17-88	8-17-88	8-17-88	8-17-88
Parameter and Analysis Method	Limit	Field Sample No.: Lab Sample No.:	DANGB-2:MW40-SS1 89081898	DANGB-2-MW40-SS2 88081899	DANGB-2-MW40-SS3 88081900	DANGB-2-MW41-SSI R8081938	DANGB-2-MP41-SSI 89081940	DANGB-2-MW41-SS2 88081939	DANGB-2-MP41-SS2 88081942	DANGB-2-MW41-SS3 89081941
MIN WAY AND AND AND AND AND AND AND AND AND AND	May Solive a		•							
	الدا حالي	(AIM			3	;	;	į	•	***
Data Faculte				/14	•	141	144	#41	144	<b>₹</b>
Benzyl Chloride	050		ב	ח	D	ח	n	n	D	ם
Bis(2-chloroethoxy)methane	S.		ם	ב	n	מ	n	מ	ח	<b>D</b>
Bis(2-chloroisopropyl)ether	20		ח	ם	ח	n	n	n	n	ם
Bromobenzene	0.50		ם	ם	ח	Ω	<b>D</b>	כ	D	ם
Bromodichloromethane	0.10		D	n	ח	n	ח	n	Ω	n
Вготоботт	0 <del>7</del> 0		ם	ð	n	ב	n	ח	ם	ם
Bromoethane	17		ם	ח	ר	ח	ם	D	ם	n
Carbon Tetrachloride	0.12		ב	n	n	Ω	ח	ם	ם.	D
Chloracetaldehyde	800		ם	ם	n	ח	n	ם	, <b>.</b>	P
Chloral	200		ם	ם	ם	ח	ב	ם	כ	Þ
Chlorobenzene	220		ב	ס	ח	כ	מ	ח	ם	ם
Chloroethane	0.52		ח	ם	Ω	ח	מ	ם	ם	ם
Chloroform	900		0.13 B	ם	0.1 13	0.6 B	n	0.5 B	ח	ח
1-Chlorohexane	050		ח	ח	ח	מ	ח	n	ם	ח
2-Chloroethyl Vinyl Ether	0.13		D	n	n	Ω	n	Ω	Ο.	ם
Chlaromethane	90'0		ח	n '	n	Ω	n	n	D	ם
Chloromethyl Methyl Ether	<b>S</b>		ר	ח	n	ח	ח	n ·	5	Þ
Chlorotoluene	050		ם	ח	ם י	ח	n	<b>.</b>	D	D
Dibromochloromethane	60'0		•	D	Ω	ב	ם	<b>D</b>	Ď	Ð
Dibromomethane	050		ם	מ	D	ח	ם	ח	ם	ב
1,2-Dichlarobenzene	0.15		ב	ב	ם	ח	ב	ח	•	D
1,3-Dichlorobenzene	032		כ	n .	ם	ם	ב	ח	ם	<b>ɔ</b> ´
1,4.Djchlorobenzene	97		<b>&gt;</b>	ח	ב	n	ם	ລ	<b>a</b>	Þ
Dichlorodifluoromethane	8.1		ສ	n	ב	<b>-</b>	ח	<b>&gt;</b>	D .	Þ
1,1-Dichloroethane	0.07		ם	ח	ם	n	ח	<b>&gt;</b>	<b>ɔ</b> :	: c
1,2-Dichloroethane	003		ב י	ב י	<b>⊃</b> ,:	: כ	<b>&gt;</b>	ם : י	<b>:</b>	<b>&gt;</b> :
1,1-Dichloroethene	0.13		ים י	ָב ר	<b>)</b>	י ה	D :	<b>:</b>	<b>o</b> :	
Trans-1.2-Dichloroethene	0.10		D :	· ·	ָב י י	n s	ָרְיָּי ^י ח	ָרְיָּי מיני		
Dichloromethane	3		377	51 Kin	21 AA	9 20	1100	2 50	900	2 **
1,2-Dichloropropane	000		: כ	<b>&gt;</b> :	<b>D</b> :	<b>5</b> ;	: כ	<b>&gt;</b> :	<b>&gt;</b> :	<b>&gt;</b> :
1.3-Dichloropropylene	7. 0			•	<b>O</b>	•	<b>o</b>	<b>5</b>	<b>&gt;</b> ;	<b>o</b> ;
1,1,2,2.Tetrachloroethane	003		מ	ח	<b>D</b>	<b>&gt;</b>	ב י	י כ י	D :	<b>&gt;</b> :
1,1,2-Tetrachloroethane	0 S		ם	ב	D	ב	ח	י כ כ	<b>•</b>	<b>&gt;</b> :
Tetrachloroethene	0.03		<b>D</b>	ב	D	<b>&gt;</b>	<b>2</b>		<b>&gt;</b> :	<b>&gt;</b> :
1,1,1-Trichloroethane	0.03		מ	כ	Þ	ח	2	כ	<b>D</b>	<b>5</b>
1,1,2-Trichloroethane	0.02		ח	ח	ח	ח	ח	: כ	: ב	<b>.</b>
Trichloroethene	0.12		ב	<b>5</b>	ם	Ω,	n	n	Þ	D ·
Trichlorofluoromethane	0.50		ב	מ	<b>D</b>	ם		<b>D</b>	<b>D</b>	<b>&gt;</b> :
Trichloropropane	os o		<b>5</b>	ח	⊃	כ	ם	O .	<b>5</b>	Þ
Vinyl Chloride	0.18		D	D	Ω	D	n	ם	<b>5</b>	<b>.</b>

Parameter and Analysis Method	Method Detection Limit	Location/OC No: Sample Depth, (ft): Sample Date: Field Sample No: Lab Sample No:	DIII.5S1 0-2 7-29-88 DANGB-2-BIII.5S1 88071554	BIH-582 2-4 7-29-88 DANGB-2-BIH-582 88071533	BIII-554 6-8 7-29-88 DANGIP-2-BIII-554 88071552	BHI-SSS 8-10, 7-29-88 DANGR-2-BHII-SSS 880715SS	BHI-SS6 10-12 7-30-88 DANGB-2-BHI-SS6 88081589	BH2-SS1 0-2 7-30-88 DANGB-2-BH2-SS1 88081590	BH2.SS4 6.8 7.30.88 DANGB.2.BH2.SS4	BH2.SS6 10-12 7.30-88 DANGB-2.BH2.SS6 .88081992
AROMATIC VOLATILE ORGANICS (SW 8020)	NICS (SW 8020)	,				*.	T		,	
Data Package										
Benzene Chlorobenzene	0.2		Note 1.	Note 1.	Note 1.	Note 1.	Note 1.	Note 1.	Note 1.	. Note 1.
1,2-Dichlorobenzene	٥٨		See	Še	ÿ	3	*5		ć	
1,3-Dichlorobenzene	*		SW8020	SW8020	SW8020	SW8020	SWROO	CWMAN	ocomo	, Xe
1,4-Dichlorobenzene	0.3		Analysis	Analysis	Analysis	Analysis	Analysis	Analysis	Smooth S.	Sweden
Ethyl Benzene	0.2		for	for	for	for	for	for	lol,	Allenysis (Or
Toluche	0.2		DHI R-SSI	BHI R-SS2	BHI R-SS4	BIH R-SSS	BHI R-SS6	BH2 R-SS1	BILLR-SS4	BILLRISS
Nylenes	8		88092215	88092216	88002217	88092219	8807223	88002220	88092225	88092227

1	. SS7 . 22.24 . SS7 . 22.24
	BIII R-SS7 22-24 8-30-88 DANGB-2-BIII-SS7 88002224
-	BIII R.SS6 15-17 8-30-88 DANGB-2-BIII-SS6 8902223
	10-12 10-12 8-20-8 DANGB-2-BHI-SSS DA 88092219
	BIII R-SSA 8-10 8-30-8 DANGB-2-BIII-SSA D 8802217
-	BHI R-SS3 6-8 8-30-88 DANGH-2-BHI-SS3 8893218
-	DIII R.5S2 24 8-30-88 DANGB-2-BHI-5S2 D
•	BHI R-SSI 0-2 8-30-88 DANGB-2-BHI-SSI D
•	BH2-SS9 16-18 7-30-88 DANGB-2-BH2-SS9 88081393
	Location/OC No: Sample Depth, (0): Sample Date: Field Sample No.: Lab Sample No.:
**************************************	Method Detection Limit
v	and Analysis Method
Į.	pue

	C.	Field Sample No.: Lab Sample No.:	Field Sample No.: DANGB-2.BI12.SS9 DANGB-2.BIII-SSI Lab Sample No.: 88081593 8807.215	DANGB-2-BHI-SSI 8802215	DANGB-2-BHI-SS2 8899216	DANGB-2-BHI-SS3 8892218	DANGB-2-BH-SS4 8802217	DANGII-2535 88092219	DANGB-2-bill-550	880922A	
Parameter and Analysis Method											
(KW MS) SOLVADAG BILLA ICH DELANCA	(WW WS)										•
AROMATIC VOLATICE ONO	(mm e) e-14.			200	27.5	\$2.0	#35	135	<b>4</b> 32	£32	
Data Package				3	3				•	:	
			Leich	2500	1500	1400	3100	1800	87	>	
Benzene	7			=		ח	כ	Þ	a	ם	
Chlorobenzene	07			•	) E	=	~ •	•	>	ם	
1,2-Dichlorobenzene	8			> =	÷ =	> =	12	2	ສ	ח	
J.3-Dichlorobenzene	3			<b>:</b>	: י	o =	) <u></u>	.⊃	ם	ם	
1,4-Dichlorobenzene	03				0 89	1400	22000	2400	ב	0.44	
Ethyl Benzene	07			NH DUC	R OF9	15000	1700	1100	200	1.7	
Toluene	7 7			24000	13000	71000	27000	8600	•	ב	
Xylenes	\$										

Parameter and Analysis Method	Method Detection Limit	Location/OC No: Sample Depth, (ft): Sample Date: Field Sample No. Lab Sample No.	B112 R-SS1 0-2 8-30-88 DANGB-2-B112-SS1 8807220	BH12 R-SS2 5-6 8-30-88 DANGB-2-BH2-SS2 88092231	BH2 R-SS3 10-12 8-30-88 DANGB-2-BH2-SS3 8809222	B112 R-SS4 14-15 8-30-88 DANGB-2-B112-SS4 88072225	BH12 R-SSS 20-22 8-30-88 DANGB-2-BH2-SSS 8899226	BH2 R-SS6 24-25 8-36-88 DANGB-2-BH2-SS6 88992277	MW12A-SSI. 0-2 8-5-88 DANGII-Ž-MW12-SSI.	MW12A-SS1 DUP 0-2 0-2 8-5-8 DANGE-2-MW12-SS4
AROMATIC VOLATILE ORGANICS (SW 8020)	NICS (SW 8020)	•								
Data Package			33	133	#35	#35	/32	<b>4</b> 32	¥1.4	21.9
Benzene	07		1200	1700	1100	ם	0.43	1	=	
Chlorobenzene	07		ם	ב	ב	=	? =	· :	•	·
1,2-Dichlorobenzene	3		:	•	=	=	=	: כ	<b>&gt;</b> :	) ,~
J.3-Dichlorobenzene	8		ס	ם	ם מ	=	> =	> =		);
1.4.Dichlorobenzene	63		מ	כ	ם	=	> =	ב כ	o . :	<b>:</b>
Ethyl Benzene	07		200	25000	08	=	> <del>=</del>	ָב כ	<b>&gt;</b> 2	
Tolucne	0.2		30000	7200	270	=	9	2		
Nylenes .	<b>Y</b> 0		180000	27000	2200	,	ם פ	; >	בֿ, זָּ	? ≃

Table 1.7 Site 2 • Soil Page 2D										
		Location/QC No:	MW12A-SS3	MW12A-SSS	WW13A-SSI	MWI3A-SS3	MW13A-SS4	MW37-SS1	MW37-SS2	MW37-SS2 DUP
	Method	Sample Depth, (ft):	\$15	15:20	0.5	8-10	14.15	7	\$	\$6
2	Detection	Sample Date:	8.5.88	8.5.88	8.5.88	8.5.88	8-5-88	8-15-88	8-15-88	8-15-88
	Limit	Field Sample No.	DANGB-2-MW12-SS3	DANGB-2-MW12-SSS	Fra Sample No. Dang B.2.MW12.SS3 Dang B.2.MW12.SS3 Dang B.2.MW13.SS1 DANG B.2.MW13.SS3 DANG B.2.MW13.SS3 DANG B.2.MW13.SS3 DANG B.2.MW13.SS2 DANG B.2.MW13.SS2 DANG B.2.MW13.SS2 DANG B.2.MW13.SS2 DANG B.2.MW13.SS3	DANGB-2-MWI3-SS3	DANGB-2-MW13-SS4	DANGB-2-MW37-SS1	DANGB-2-MW37-SS2	DANGB-2-MW37-SSS
Parameter and Analysis Method		Lab Sample No.:	89081662	88081643	88081002	88081693	88081694	. 88081863	88081884	88081887
AROMATIC VOLATILE ORGANICS (SW 8020)	(sw 8020)									
Data Package			114	717	#31	lé#	131	#52	#25	#52
Benzene	07		n	Ω	n	n	ח	ם	ח	n
Chlorobenzene	0.2		5	מ	n	ם	n	n	D	Ω
1,2.Dichlorobenzene	70		ב	ח	'n.	Ω	<b>D</b>	ם	D	מ
1,3-Dichlorobenzene	٥,4		ב	מ	מ	ם	n	n	כ	<b>ס</b>
1,4.Dichlorobenzene	60		ח	מ	ם	ם	n	ח	D .	n
Elhyl Benzene	02		כ	n	ח	n	D	ם	Þ	Ð
Toluene	07		21	23	8	13	4.9	88	8	
Nytenes	70		כ	כ	ם	n	D	n	<b>&gt;</b>	ב

								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		Location/OC No:	NW37-SS3	MW37.554	NW38-SSI	MW38-SS2	MW38-SS3	WW39-SS1	MW39-SS2	MW39.SS3
	Method	Sample Depth, (ft):	16-17	17.5-18	0.1.5	9.10.5	17-19	0.1	፠	21.22
	Detection	Sample Date:	8-15-88	R-15-88	8-13-88	8-13-88	8-13-88	8-15-88	8-15-88	8-15-88
	Límit	Field Sample No.:	DANGB-2-MW37-SS3	DANGB-2-MW37-SS4	DANGB-2-MW38-SS1	DANGB-2-MW38-SS2	Fird Sample No. Dang B-2MW37-SS3 Dang B-2MW37-SS4 Dang B-2-MW38-SS1 Dang B-2-MW38-SS2 Dang B-2-MW38-SS3 Dang B-2-MW39-SS1 Dang B-2-MW39-SS2 Dang B-2-MW39-SS3	DANGB-2-MW39-SSI	DANGB-2-MW39-SS2	DANGB-2-MW29-SS3
Parameter and Analysis Method		Lab Sample No.:	88081885	88081886	88081877	82081878	88081879	880R1888	88081889	89081899
AROMATIC VOLATILE ORGANICS (SW 8020)	(000 WS) SOI:					,				
Data Package			152	152	415	<b>\$1</b>	¥15	# S2	#52	<b>#</b> 52
Benzene	0.2		ח	ם	ח	O	ח	n	D	כ
Chlorobenzene	07		ם	מ	n	<b>n</b>	n	n	ם	S
1,2-Dichlorobenzene	70		ב	5	5	2	ם	ם	ລ	כ
13-Dichlorobenzene	<b>7</b> 0		ח	מ	ח	מ	ח	n	ď	ח
1.4.Dichlorobenzene	03		Ω	מ	n	n	Ω	n	Ď	n
Ethyl Benzene	07		ם	מ	ם	ב	כ	ח	ח	ລ
Toluche	0.2		3	8	12	8.8	105	7.	220	12
Nylenes	3		מ	D	ລ	Ω	Ω	מ	n	Ð

Table L.7 Site 2 - Soil Page 2E

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· American Construction		
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Township Sellings	-	
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Method   Sample Depth, (n):   Detection   Sample Depth, (n):   Limit   Field Sample Date:   Limit   Field Sample No.z.     Philipper   Lab Sample No.z.     AROMATIC VOLATILE ORGANICS (SW 80.20)     Data Factage   0.2     Benzene   0.2     Dichlorobenzene   0.4     Dichlorobenzene   0.4     Dichlorobenzene   0.4     A-Dichlorobenzene   0.4     Tabith Benzene   0.2     Tolluene   0.2     To	Location/QC No: MW40.SS1	MW40-SS2	MW40-SS3	MW41-SSI	MW41-SS1 DUP	MW41-SS2	MW41-SS2 DUP	MW41.SS3
Detection   Limit	cpth. (f): 0-1	7.8	155-165	8.0	0.5	21.5	SIS	
Limit	ple Date: 8-16-88	8.16-88	8-16-88	8-17-88	8-17-88	8-17-88	8-17-88	•
And Analysis Method  (TIC VOLATILE ORGANICS (SW 8020))  kage  0.2  0.2  0.2  0.3  0.0  0.0  0.0  0.0	DANGB-2-M	DANGB-2-MW40-SS2	DANGB-2-MW40-SS3	DANGB-2-MW41-SS1	DANGB-2-MP41-SS1	DANGB-2-MP41-SSI DANGB-2-MW41-SS2		DANGB-2-MP41-SS2 DANGB-2-MW41-SS3
AROMATIC VOLATILE ORGANICS (SW 8020)  Data Package  Benzene  (Chiorobenzene  1,2-Dichlorobenzene  1,4-Dichlorobenzene  1,4-Dichlorobenzene  0,3  Ethyl Benzene  7 Toluene	mple No.: \$8081898	88081809	88081900	88081938	88081940	88081939	88081942	88081941
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orobenzene vzene	ם	D	ח	ם	D	n	ח	ם י
Vene	מ	מ	ח	ם	ח	כ	<b>&gt;</b>	מ
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	37	8.8	89	4.2	82	57	200	£\$
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D Parameter and Analysis Method	Method Detection Limit	Location/OC No: Sample Depth. (ft): Sample Date: Field Sample No: Lab Sample No:	0.2 7.29.8 DANGB-2-BHSSI 89071554	DANGB-2-HILL-SS2  7.29-8  DANGB-2-HILL-SS2  889715S3	BIII.554 6.8 7.29.88 DANGB-2.BIII.554 88971552	B110 8-10 7-29-88 DANGB-2-BHL-SSS 880715SS	BHI-SS6 10-12 7-30-88 DANGIE-2-BHI-SS6 88081589	BH2-SSI 0-2 7-30-8 DANGB-2-BH2-SSI 88081590	B112.SS4 6-8 7-30-88 DANGB-2-B112.SS4 (8081.5)1	BII2.SS6 10-12 7.30-88 DANGB-2-BII2.SS6 89081592
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1,4-Dichlorobenzene	330		Þ	כ	ם	כי	· ɔ	9	· >	) D
Hexachloroethane	330		ח	ກ	Þ	כ	כ	כי	) D	2
Bis(2-chloroethy1)ether	330		ח	ם	D	n ,	ח	ם	ם	ם י
1,2-Dichlorobenzene	330		ם	ב	n	ם	ם	ם	Þ	
N-Nitrosodimethylamine	330		<b>၁</b>	מ	ດ	ס	מ	ם	Þ	Ω
Bis(2-chloroisopropyl)ether	330		D	D	ם	ב	n	ם	2	n
N-Nitrosodi-n-propylamine	330		ם	כ	ם	n	Þ	מ	ם	>
Henachlorobutadiene	33		כ	n	D	n	Ω	ח	ם	0
1,2,4.Trichlorobenzene	330		ם	מ	<b>5</b>	ב	Þ	D	n	ר
Nitrobenzene	330		ח	כ	>	ם	>	ס	n	ם
Isophorone	සි		ב	ם	D	D	>	Ð	D	ח
Naphthalene	330		ח	1500	מ	84		3700	כ	<b>n</b>
Bis(2-chloroethoxy)methane	සූ		ב	ם	ב	Ω	מ	Þ	Þ	Ω
2-Chloronaphihalene	330		י כ	n	ח	Þ	ם	ם	ם	<b>D</b>
	88		<b>&gt;</b> ;	: כ	ם :	<b>)</b>	ב כ	ם	D	ח
Acenaphinylene	330		ב כ	<b>)</b>	<b>&gt;</b> :	<b>&gt;</b> :	o :	<b>&gt;</b> :	<b>&gt;</b> ;	<b>&gt;</b> ;
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Phenanthrene	330		ם	כ	Ω	ם	n	ם	D	>
Anthracene	330		n	ח	n	ב	ב	ח	ם	ח
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4-Chlorophenyl Phenyl Liber	8 8		n :	D ;	<b>&gt;</b> :	<b>&gt;</b> :	<b>&gt;</b> :	<b>n</b> ;	<b>ɔ</b> :	<b>&gt;</b> :
ryrene	930		<b>&gt;</b> :	029 1	י כ	<b>)</b>	<b>)</b>	3700	<b>D</b> :	<b>&gt;</b> ;
Buryl Benzyl Fulhalate	3 8		o :	n ::	O :::	<b>P</b> ;	<b>&gt;</b> .:	<b>&gt;</b> :	D ;	510
nis(z-cinymexyl)pninalne	33		<b>:</b>	1900	9000	025	Э;	<b>&gt;</b> :	g :	<b>&gt;</b> :
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Benzo(alanthracene	38		=	o =	> =	> =	> =	> =	) E	> =
Dinoctophinalate	330		) D	=	=	> =	=		2	<b>=</b>
Benzo(b)fluoranthene	8		2	; p	0	) <b>=</b>	) D	) =	) <b>=</b>	) =
Benzo(k)fluoranthene	33		n	מ	· >	· >	<b>D</b>	: <b>-</b>	Ē	· >
Benzidine	2000		ם	n	Ď	n	n	ם	Þ	ם
3.3. Dichlorox nzidine	8		ח	ח	D	ב	Þ	Þ	Ð	כ
Benzo(a)pyrene	330		Ω	n	O	ם	Ω	ם	כ	n
Indeno(1,2,3-ed)pyrene	330		ח	ם	כ	D	ח	⊃	Ð	כ
Dibenzo(a,h)anthracene	8		<b>ɔ</b> :	<b>3</b>	Ω.	ם	D	ם	ם	<b>a</b>
Benzo(ghi)perylene	330		>	<b>&gt;</b>	>	<b>3</b>	>	Þ	D .	

Table L.7 Site 2 - Soil Page 313

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		Method Detection Limit	Location/OC No: Sample Depth, (ft): Sample Date: Field Sample No:	BI12.SS9 16-18 7:30-88 DANGB-2.BI12.SS9	BIH R-SSI 0-2 8-30-88 DANGB-2-BIH-SSI	HIII R-SS2 2-4 8-30-88 DANGB-2-BHI-SS2	BHI R-SS3 6-8 8-30-88 DANGD-2-BHI-SS3	BHI R-SS4 8-10 8-30-88 DANGB-2-BHI-SS4	BHH R-SSS 10-12 8-30-88 DANGB-2-BHH-SSS	BIII R-SS6 15-17 8-30-88 DANGB-2-BIII-SS6	BHI R-SS7 22-24 '8-30-88 DANGB-2-BHI-SS7
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	Data Package			14					•		#32
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2	1.4-Dichlorobenzene	330		>						5	ö
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330	3,3.Dichlorobenzidine	<b>9</b>		<b>-</b> :						5 :	· •
. 10 000 000 000 000 000 000 000 000 000	Benzo(a)pyrene	8 8		<b>5</b> :		,		×		5 5	5 5
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	Dibenzo(a,n)anthracene ttenessabilisendene	9.F		> =						; 5	;

Table L.7 Sire 2 - Soil Page 3C

Lab Sample Motor   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles   100 miles		Method Detection Limit	Location/OC No: Sample Depth. (ft): Sample Date: Field Sample No:	BH2 R-SS1 0-2 8-30-88 DANGB-2-BH2-SS1	BH2 R-SS2 5-6 8-30-88 DANGB-2-IIII2-SS2	BH2 R-SS3 10-12 8-30-88 DANGB-2-BH2-SS3	BH2 R-SS4 14-15 8-30-88 DANGB-2-BH2-SS4	BH2 R-SSS 20-22 8-30-88 DANGB-2-BH2-SSS	BH2 R-\$S6 24-25 8-30-88 DANGB-2-BH2-SS6		MW12A.SSI DUP 0-2 8-5-8 DANGB-2-MW12-SS
December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December	Parameter and Analysis Method		Lab Sample No.:	88092220	88002221	88002222	88092225	880)2226	88092227	19918088	89081664
1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.   1.2.	SEMI-VOLATILE ORGANICS (SW	V 8270) Page 1									
14. Discharacteries	Data Package						#32	132	132	#14	***
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Total Control Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel Anniel		Detection	Sample Date:	85-88		9.5.88	85-88	14-15 R-5-88	6-1 8-15-88		3-6 8-15-88
Statis VOLVILLO INCONCISCIS (see Vertal) Pre-1  1-24 Schoedwesterner 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester 335  1-24 Schoedwester	Parameter and Analyzis Method	Umit	Field Sample No.: Lab Sample No.:	DANGB-2-MW12-SS3 89081662			DANGB-2-MWI3-SS3 88081 <i>0</i> 33	DANGB-2-MW13-SS4 88081 <i>0</i> 94	DANGB-2-MV		
1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	SEMI-VOLATILE ORGANICS (	SW 8270) Page 1									
1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2    1.2.	:Data Package			*114	114	131	#31	//31	# <b>6</b> 1	19#	19.
Interpolation   15	1.3-Dichlorobenzene	330		5	ñ	ő	5	5	5	5	3
	1,4-Dichlorobenzene	330		5	5	5	5	5	5	5	5 5
	Hexachloroethane	330		ສ	ភ	ñ	5	5	5	Ď	5.5
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NATIONALISATION (CASA)         30         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11<	1.2-Dichlorobenzene	330		5	5	ä	i	5	ñ	,5	5
	N.Nitrosodimethylamine	330		ij	5	5	ö	5	ñ	5	
Notemotic perpendiate   25	Bis(2-chloroisopropyl)ether	336		ລ	5	in	5	5	5	ັກ	5
Table Development of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of	N-Nitrosodi-n-propylamine	330		5	5	5	ົວ	ñ	5	5	5
	Hexachlorobutadiene	330		5	5	5	ភ	'n	ລ	5	5
Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Section   Night Sectio	1,2,4-Trichlorobenzene	330		ñ	5	in	ñ	5	.5	5	ລ
Opportunity of Explanation (Control of Explanation)         3.9         Up 1         <	Nirobenzene.	33		5	ñ	5	ñ	ñ	5	ລ	
Nephthetiere         330         Ul	Isophorone	330		ภ	ñ	ñ	5	5	5	Ë	
1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00	Naphthalene	330		5	5	ö	5	5	5	Ë	
	Bis(2-chloroethoxy)methane	330		'n	5	5	5	ñ	5	5	•
Higherbrook-by-randers   30	2-Chloronaphthalene	330		5	5	ö	5	5	in	õ	5
Acceptablese         39         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         <	Hexachlorocyclopentadiene	330		5	5	5	in	ö	5	ñ	5
Damed places         330         UI		330		5	ລ	5	<del>ວ</del>	5	5	ລັ	5
Demotyly Phythate   339		330		5	5	S	5		ï	ö	5
230 230 230 230 230 230 230 230 230 230		330		ñ	5	ñ	5		ສ	5	5
330 330 330 330 330 330 330 330 330 330	2,6-Dinstrotoluene	330	•	ñ	5	ñ	ä	5	5	ñ	5
	Fluorene	330		5	5	5	ភ	5	ō	5	5
	2.4-Dinitrotoluene	330		<b>5</b>	5	5	5	ñ	5	ຣ	5
	Diethyl Phthalate	330		ä	ä	5	5	5	5	ວັ	5
	N-Nitrosodiphenylamine	330		5	5	<b>5</b>	5	ñ	ອ	5	5
330 330 330 330 330 330 330 330 330 330	Hexachlorobenzene	330		5	5	5	5	<b>5</b>	5	5	5
330 330 330 330 330 330 330 330 330 330	Phenanthrene	330		5	ä	5	5	5	5	5	5
330 330 330 330 330 330 330 330 330 330	Anthracene	330		<b>:</b>	<b>5</b>	<b>5</b>	5	Ë.	ö	5	Ş
330 330 330 330 330 330 330 330 330 330	Dibutyl Phihalate	S		5 :	5 ;	5	5	<b>:</b>	5	5	5
330 330 330 330 330 330 330 330 330 330	Fluoranthene	S		5	5	5	<b>5</b>	5	: i	<b>5</b>	5
330 330 330 330 330 330 330 330 330 330	4-Calorophenyl Phenyl Ether	S :		ö :	5 :	5 3	5 :	5 :	5 :	5	<b>5</b> :
330 330 330 330 330 330 330 330 330 330	ryrene ryrene	3 6		5 5	5 5	5 5	5 5	5 5	5 :	5 :	5 :
330 330 330 330 330 330 330 330 330 330	Dary Benky Frankline	3 5		5 5	5 5	5 5	5 5	5 5	5 5	5 5	
330 330 330 330 330 330 330 330 330 330	Characte	2		3 5	5 5	; <del>;</del>	5 5	5 5	5 =	5 5	
330 330 330 330 330 330 330 330 330 330	4-Bromonbeny Pheny Ether	930		5 5	5 =	; =	5 <b>=</b>	5 =	<u>ت</u> 5	5 =	5 =
330 330 330 330 330 330 330 330 330 330	Benzo(a)anthracene	330		5 5	5 5	5 5	5 5	5 🖺	5 =	5 2	
330 330 330 330 330 330 330 330 330 330	Dimocrylohthatate	93.0		5 =	5 5	5 =	5 8	5 =	; <u>=</u>	S =	
330 UU UU UU UU UU UU UU UU UU UU UU UU UU	Benzolbilluoranthene	88			5 5	5 =	5 =	; <b>=</b>	5 5	5 5	
2000 UI UI UI UI UI UI UI UI UI UI UI UI UI	Benzo(k)fluoranthene	æ		5 5	5 5	5 5	5 5	5 5	5 5	5	
660         UI	Benzidine	2000		5	5	5	5	5	5 5	5	
330 UI UI UI UI UI UI UI UI UI UI UI UI UI	3.3. Dichlorobenzidine	999		3	5	5	5	5	5	5	5
330 UI UI UI UI UI UI UI UI UI UI UI UI UI	Benzo(a)pyrene	330		5	5	5	ä	5	5	5	5
; 330 U! U! U! U! U! U! U! U! U! U!	Indeno(1,23-cd)pyrene	330		ñ	5	ä	5	ñ	5	5	ສ
300 UI UI UI UI UI UI	Dibenzo(a,h)anthracene	330		3	5	ñ	5	5	5	5	5
	Benzo(ghi)perylene	330		5	5	5	5	5	5	5	5

Table L-7 Site 2 - Soil Page 3E

~	Method	Sample Depth, (ft):	16.17	175-18	0.1.5	5.01.6	17-19	6.1		21-22
ă	Detection	Sample Date:	8-15-8 DANGB-2-MW37-SS3	8-15-8 DANGB-2-MW37-554	8-13-88 DANGB-2-MW38-SSI	8-13-83 DANGB-2-MW38-SS2	8-13-88 DANGII-2-MW38-5S3	8-15-88 DANGB-2-MW39-SSI	8-15-88 DANGB-2-XW99-SS2	8-15-88 DANGB-2-MW39-SS3
Parameter and Analysis Method		)	8:031RR5	88081886	88081877	88081878	88081879	88081888	I	84081890
SEMI-VOLATILE ORGANICS (SW 8270) Page 1	70) Page 1									
Data Package			197	19/	<b>₹</b> 18	#18	118	19.4	19#	(9)
1.4Dichlombenzene	51		2	=		=			Ē	: =
14.Dichlorobenzese	}		5 5	5 5	=	· =	5 =	3 5	; =	· =
Hexachlorocthane	2		5 5	5 5	ח	מ	5 5	5 5	3 5	כמ
Bis(2-chloroethyl)ether	2		5	5	•	, ,	5	5 5	; <del>;</del>	ם ס
1.2-Dichlorobenzene	8		5	5	· >	) <b>&gt;</b>	5	5	5	ם ה
N-Nitrosodimethylamine	8		5 5	5	•	) <b>)</b>	5	5	5 5	
Bis(2-chlorojsoprom/bether	33		5	5	· >	כס	5	5	5 5	• •
N-Nitrosodi-n-promlamine	S		5	5	<b>-</b>	2	5	5	5	
Rexachlorabutatione	330		5 5	3 5	ם מ		5 5	5 5	5 5	
1.24-Trichlorobenzene	8		i 5	5	· >	5	5	5	5	כי
Nitrobenzene	330		5	5	ח	ֹב	, <del>5</del>	5	5	כ
Isophorane	8		5	5	<b>&gt;</b>	ָר י	5	5	5	•
Naphibalene	88		5	5	מ	n	5	5	5	ם
Bis(2-chloroethoxy)methane	330		5	5	ח	ח	5	5	5	ם
2-Chloronaphthalene	33		5	5	>	Þ	5	5	5	ם
Hexachlorocyclopentadiene	33		ö	i,	מ	ם	5	ñ	5	ם
Acenaphthylene	330		5	in	n	D	ñ	5	5	מ
Acenaphthene	ž		5		ם	Þ	5	5	5	Þ
Dimethyl Phthalate	330		5	ວັ	ח	כ	5	ភ	5	ם
2,6-Dinitrotoluene	88		5	<b>5</b>	ה י	ם ·	<b>5</b> ;	5	<b>5</b>	<b>:</b>
Fluorene	8		5 :	5 :	<b>:</b>	<b>&gt;</b> :	5 :	5 :	5 :	) :
Z.4-Dinifrotoluene	3 5		5 5	5 5	<b>-</b>	)	5 5	5 5	5 5	
Managed in the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of the second section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sectio	3 5		3 =	;	> =	> =	; <b>=</b>	3 3	5 =	• =
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Dearchivene	3 5		5 E	<b>:</b> =	> =	) =	5 8	5 5		
Applyment	8 8		5	5 5	כי	ם ס	5 5	5 5		
Diburyl Phihalate	33		5	ລ	2	ח	5	5	ä	ם
Fluoranthene	33		5	ñ	D	n	5	ñ	5	כ
4-Chlorophenyl Phenyl Ether	330		ñ	ö,	ב	D	ñ	5		ם
Pyrene	330		5	ö	ח	ם	5	ສ		מ
Buryl Benzyl Phthalate	33		5	5	ב	n	ñ	n		ם
Bis(2-cthylhexyl)phthalate	330		ä	ö	n	n	'n	5		ם
Chrysene	330		ä	5	<b>-</b>	n	5	5		<b>&gt;</b>
4-Bromophenyl Phenyl Ether	330		5	5	ב	ם	5	5		<b>D</b>
Benzo(a)anthracene	330		i,	5	>	n	5	<b>Š</b> -		<b>-</b>
Di-n-octybyhlhalate	æ		5	5	כ	ח	5.	<b>3</b> -		<b>&gt;</b>
Benzo(b)fluoranthene	8		5	<b>5</b> :	<b>)</b>	<b>)</b>	<b>5</b> :	<b>5</b> :		<b>;</b>
Benzo(k)fluoranthene	සි :		5	5 :	<b>-</b> :	o :	5 :	5 :		<b>&gt;</b> :
Benzidine	88		<b>5</b> :	<b>5</b> :	<b>&gt;</b> :	o:	5 5	5 5	5 5	<b>~</b> :
3.3.Dichlorobenzidine	8 ;		5 :	<b>5</b> :	<b>)</b>	<b>)</b>	5 :	<b>5</b>		
Benzo(a);yyrene	8		5 :	5 :	<b>&gt;</b> :	o :	5 :	5 5		
Indeno(1,2,3-ed)pyrene	3 5		5 5	5 E	<b>=</b>	<b>&gt;</b> =	<b>5</b>	5 <b>5</b>		
Mochania marche	3		5 :	5	•	•	5	;		•
				=	=	=	2.2	=======================================	=======================================	

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Table L.7 Site 2 - Soil Page 3F

Parameter and Analysis Method	:				816.88				0	8-17-88
Parameter and Analysis Method	Limit	Sample Date: Field Sample No.:	8-16-88 DANGB-2-MW40-SSI	8-10-88 DANGB-2-MW40-SS2	DANGB-2-MW	8-17-88 DANGII-2-MW41-SS1	8-17-88 DANGB-2-MP41-SSI	8-17-88 DANGB-2-MW41-SS2	DANGB-2-MP41-SS2	DANGB-2-MW41-SS3
			84081898	- 1	- 1	\$601938	88081940	66019088	88081942	86081941
SEMI-VOLATILE ORGANICS (SW 8270) Page 1	W 8270) Fage 1									
Data Package			417	<b>71</b>	417	441	#41	<b>#</b> 41	#41	174
1.3-Dichlorobenzene	330		ם	Ð	ם	'n	5	5	ລັ	ā
1,4-Dichlorobenzene	330		D	מ	n	5	in	5	ä	ລ
Hexachloroethane	330		2	ח	D	ä	in	5	ö	ñ
Dir(2-chloroethyl)ether	330		ם	ם	ם	5	5	5	5	5
1,2-Dichlorobenzene	330		מ	Ω	D	5	5	ñ	5	5
N-Nitrosodimethylamine	330		n	Ω	Ω	5	in	5	5	5
Bis(2-chloroisopropy1)cther	330		כ	ב	ם	5	5	ö	5	ñ
N-Nitrosodi-n-propytamine	330		D	ח	ם	5	5	5	5	5
Hexachlorobutadiene	330		ח	ם	ם	ä	in	5	5	ā
1,2,4-Trichlorobenzene	330		ם	D	Ω	ñ	ñ	5	ö	ລັ
Nitrobenzene	જ્		כ	n	ם	5	5	5	5	5
Isophorone	330		ב	n	ח	ö	in	5	ö	Đ,
Naphthalene	330		<b>&gt;</b>	2	ח	5	5	5	ä	5
Dis(2-chloroethoxy)methane	88		<b>&gt;</b>	<b>&gt;</b> :	<b>&gt;</b>	5	5	<b>5</b>	<b>5</b>	5 ;
2 Chloronaphthalene	8		<b>:</b>	<b>-</b> :	o :	<b>5</b> :	5 5		<b>5</b> :	<b>5</b> :
11exachiorecyclopeniaciene	3 8		· ·		<b>&gt;</b> =	5 5	5 E	5 5	5 . <b>5</b>	5 5
Accounting	8		•			5 5	5 5	5 5	5 5	5 5
Dimethyl Phthalate	330		כי	מי	ם מ	5 5	5 5	5 5	5	; <del>5</del>
2,6-Dinitrotoluene	330		n	n	ח	5	in	ñ	Ď	5
Fluorenc	330		כ	ח	ם	ñ	5	5	5	5
2,4.Dinitrotoluene	330		Ω	n	ח	ñ	ñ	ñ	ភ	ວັ
Diethyl Phthalate	330		ח	מ	2	5	ອ	ñ	5	5
N-Nitrosodiphenylamine	330		ח	ກ ·	ם	5	5	<b>5</b>	5	<b>5</b> ∵
Hexachlorobenzene	330		<b>-</b> :	<b>:</b>	D :	5 :	5 :	<b>5</b> :	5 :	5 5
Phenanthrene	A 1		2		<b>&gt;</b> =	5 =	5 5	5 5	5 5	5 2
Davied Phihalata	3 5		> =	=	· =	5 =	5 E	5 =	5 5	5 5
Fluoranthene	2				). <b>=</b>	5 5	5 5	5	5 5	5 5
4-Chlorophenyl Phenyl Ether	330		כ	n .	5	5	'n	ñ	ă	ï
Pyrene	330		ח	ח	ກ	ñ	໊	ñ	ö	5
Butyl Benzyl Phthalate	330		n	Ω	U	ä	ä	ä	ວັ	ñ
Bis(2-ethylbexyl)phthalate	330		ם	ס	מ	5	ñ	ñ	5.	ä
Chrysene	330		מ	n	n	5	ñ	5	ö	5
4-Bromophenyi Phenyi Ether	330		ם	ח	ח	5	ö	<b>5</b>	ö	ä
Benzo(a)anthracene	330		מ	מ	Ω	ລັ	5	ລ	ä	ສ
Di-n-octyphthalate	330		n	ח	n	ñ	5	ö	i)	5
Benzo(b)fluoranthene	330		n	ח	ם	ä	5	5	ä	5
Benzo(k)fluoranthene	330		<b>D</b>	Ω	ם	5	ö	<b>5</b>	<b>5</b>	5
Renzidine	2000		<b>D</b> :	ה י	: c	5	5 : ,	5 :	5 8	5 5
33.Dichlorobenzidine	\$		בי י	ם :	ב י	5	5 ;	5 ;	<b>5</b>	5 ;
Benzo(a)pyrene	330		<b>:</b>	<b>:</b>	D :	5 .	5 :	5 .E	5 5	,
Indeno(1,2,3-ed)pyrene	8		<b>&gt;</b> :	<b>:</b>	<b>:</b>	5 5	5 5	5 5	5 5	5 5
Dibenzo(a,h)anthracene	330		<b>:</b>	<b>o</b> :	o :	5 :	5 5	5 5	5 =	5 · E

Table L-7 Site 2 - Soil Page 4A

Parameter and Analysis Method	Method Detection Limit	Location/OC Not Sample Depth. (ft): Sample Date: Field Sample Not: Lab Sample Not:	BIII-SS1 0-2 7-29-88 DANGB-2-BIII-SS1 88071554	1011.552 24 7.29-88 DÀNGB-2-BIH.552 88971533	BHI-SS4 6.8 7.29-88 DANGB-2-BHI-SS4 88071552	BIH.5S5 8-10 7.29-88 DANGB-2-BIH.5S5	BHI-SS6 10-12 7-30 88 DANGB-2-BHI-SS6 88081589	BH2-SS1 0-2 7-30-88 DANGB-2-BH2-SS1 88081590	BH2.554 6.8 7.30-88 DANGB-2.BH2.554 88081591	BH2-SS6 10-12 730-88 DANGB-2-BH2-SS6 88031572
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 2	:W 8270) Contir.	ned page 2							,	,
Benzyl Alcohol	93		ח	٥	ם	n	ם	n	ס	a
Acetophenone	•		ם	ם	ם	<b>D</b>	ח	D	D	Ω
Anilloc	•		٦	ם	n	כ	n .	n	<b>D</b> -	D.
4.Aminotyphenyl	•		ם :	ב	ם	מ	n	ב	Ð	ם·
4-Chlorosailine	8		: כ	D ;	ם :	Þ:	י כ	D:	D :	⊅.; *
I-Chloronaphihatene	' 65		ב כ	ב כ		5 5	<b>5</b>	<b>&gt;</b> :	<b>:</b>	<b>&gt;</b> :
Discussional	Ar.		<b>&gt;</b> =	<b>)</b> :	<b>3</b>	<b>:</b>	2	<b>:</b>	<b>)</b>	o:
7.12.Dimethylamiboazooenzene 7.12.Dimethylbenz(a)anthracene			<b>-</b> -	<b>&gt;</b> =	2	<b>=</b>	0 5	<b>-</b> =	<b>&gt;</b>	ם כ
a.a.Dimethylphenethylamine	•		י ב	· >	מ	· >	ם ס	מ	Þ	ם ס
Diphenylamine	•		5	n	n	Þ	כ	n	ם	ם
1,2.Diphenylhydrazine	•		n	n	ם	n	n	ם	Ω	Ú
Ethylmethanesulfonate	•		כ	ם	ח	ם	ם	n	D	ם
3-Methylcholanthrene	•		פ	5	5	ລ		a	n	<b>&gt;</b>
Methylmethanesulfonate	•		<b>D</b> :	ָב ב	<b>&gt;</b> :	ָם פּ	<b>:</b>	ָב ק	<b>D</b> ;	<b>ɔ</b> :
	330		<b>&gt;</b> :	8 :	<b>&gt;</b> :	8	o :	0029	<b>:</b>	<b>5</b>
	•		<b>&gt;</b> :	<b>&gt;</b> :	<b>)</b>	<b>)</b>	2	) :	<b>:</b>	<b>&gt;</b> 2
O Creating amine	• 001		===	0 5	<b>-</b>	o =	> =	<b>-</b>	o =	<b>&gt;</b> =
	8 8		2	כס	ככ	כס	) )	> >	) <b>&gt;</b>	) <b>(</b>
4-Nitroaniline	1600		ם	n	ם	Ω	מ	ח	n	ח
N-Nitroso-di-n-butyfamine	•		ם	ם	D	ב	מ	Ð	n	D
N.Nitrosopiperadiene	•		<b>:</b>	: כ	<b>ɔ</b> :	<b>:</b>	<b>:</b>	ָב :	<b>ɔ</b> :	<b>ɔ</b> :
Pentachlorobenzene	•		<b>&gt;</b> :	<b>&gt;</b> :	<b>)</b>	ם כ	<b>-</b>	<b>-</b> :	<b>&gt;</b> :	<b>&gt;</b> . =
rentachioronitropenzene	•		<b>:</b>	<b>-</b> -	<b>.</b>	ב כ	<b>)</b>	o • ‡	> <b>:</b>	o =
Phenacelin 2.Picoline			5 5	0 2	ם כ	<b>5</b> 5	<b>5</b>	ככ	<b>5</b>	ם ס
Pronamide	•		כי	· >	ח	ם	ם	ם	Ώ	n
1,245-Tetrachlorobenzene	•		ם	n	Ω	ם	n	ח	מ	n
Alpha-1311C	•		,	n .	n	Þ	מ	ם	<b>5</b>	<b>ɔ</b> ;
Gamma-BHC	• ;		<b>ɔ</b> :	<b>5</b> :	: כ	Þ:	<b>ɔ</b> ;	Þ;	р:	<b>&gt;</b> :
Beta-BHC	8 8		o :	0 5		o =	<b>&gt;</b> =	o =	<b>5</b>	o =
Delta-Bit	3 8		ככ	> =	ככ	<b>&gt;</b> =	0 0	ממ	כס	o. <b>⊃</b>
Aldrin	2		) D	) <b>)</b>	5	, ,	מי	כי	ם ס	n
Heptachlor Epoxide	330		ם	Ð	ח	n	ח	ດ	O.	מ
Endosultan I	•		ח	ם	Ω	Ω	Ω	Ð	Ď	ລ
Dieldrin	200		ם	ņ	Þ	ם	ם	<b>.</b>	Þ,	⊃::
4,4*.DDE	1000		P	ם	ם	n	כ	ח	ר	<b>ɔ</b> :
Endrin	•		ח	ב	ם י	D ·	e e	<b>⊃</b>	<b>&gt;</b> :	<b>ɔ</b> ;
Endosulfan II	• ;		<b>-</b> :	<b>&gt;</b> :	<b>-</b> :	<b>&gt;</b> :	<b>&gt;</b> :	<b>&gt;</b> :	ָב כ	<b>)</b> : <b>:</b>
4,4:000	8 8		<b>:</b>	<b>&gt;</b>	<b>-</b>	<b>-</b> :	<b>&gt;</b>	<b>.</b>	<b>-</b>	<b>)</b> =
AA'DDT	3 8		<b>-</b> -	<b>&gt;</b> =	<b>.</b>	<b>-</b>	) =	) =	> =	> =
Lindosullan Sulfate	8		<b>&gt;</b> :	) <b>:</b>	0 =	o =	) =	) =	o =	> =
Endrin Keton			> =	2	2	> =	5	) <b>&gt;</b>	) <b>&gt;</b>	ם מ
Chloriane	2000		, 5	• •	· ⊃	ח	n	ລ	n	

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Table 1.7

8-30-88 DANGB-2-BIII-SSS 88092219 8-30-88 DANGB-2-BHI-SS4 BIII R-SS4 88092217 8-30-88 DANGB-2-BIII-SS3 89092218 BIII R-SS3 8:30-88
DANGB:2:BHI:-SS2
88992216 BHI R-SS2 8-30-88 DANGB-2-BHI-SSI 7-30-88 DANGB-2-8112-SS9 Field Sample No. Sample Depth, (n): Sample Date: Lab Sample No. Method Detection Parameter and Analysis Method

8-30-88 DANGB-2-BHL-5S7 88092224

8-30-88 DANGB-2-BH1-SS6 8809223

BIJI R-SS7

BH R-SS6 15-17

SEMI-VOLATILE ORGANICS (SW 8270) Continued page 2 8 8 8 8 8 9 8 8 § § § 7,12-Dimethy Denz(a) anthracene a.a.Dimethyphenethylamine Diphenylamine 1.2 Diphenylbydrazine p-Dimethylaminoazobenzene Pronamide 1,2,4,5-Tetrachlorobenzene N-Nitroso-di-n-butylamine Pentachlorobenzene Pentachloronitrobenzene Phenacetin Methylmethanesulfonate Ethylmethanesulfonate -Chloronapththalene 3-Methylcholanthrene N-Nitrosopiperidiene 2-Methylnaphthalene Heptachlor Epoxide Findosulfan I 4.Aminobyphenyl Endosulfan Sulfate Endrin Aldehyde Endrin Ketone 2-Naphthylamine 1-Naphthylamine 4-Chloroaniline Benzyl Alcohol Acetophenone Dibenzoluran Alpha-BitC Gamma-BitC Beta-BitC Endosulfan II 4,4*-DDI) 4,4*-DDT 2-Nitroaniline 3-Nitrosniline 4-Nitroaniline Heptachlor Delta-BHC Dieldrin 4,4*-DDE Chlordane 2-Picoline Aniline Cndrin

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Table L.7 Site 2 - Soil Page 4C

	Meghod	Location/OC No:	BH2 R-SS1	BH2 R-SS2	BH2R-SS3	B112 R-SS4	BH2 R-SSS	BH2 R-5S6	MW12A-SS1	MW12A-SSI D
2	Pererion	Sample Date:	2.00.00	0.00	10-12	14-15	20-22	24.25	0.5	
Parameter and Analysis Method	Limit	Field Sample No.: Lab Sample No.:	DANGB-2-8112-SS1 88092220	DANGB-2-BH2-SS2 8892221	DANGB-2-BH2-SS3 8892222	6-30-68 DANGB-2-BH2-554 8609225	8-34-88 DANGB-2-BH2-SS5 8802226	8-30-88 DANGB-2-BH2-SS6	8-5-88 DANGB-2-MWI2-SS1 89081661	
SEMI-VOLATILE ORGANICS (SW \$270) Continued page 2	7) Continu	ed page 2								
Benzyl Alcohol	. 8	3				Ē	=	:	:	
Acetophenone						5 2	5 =	5 E	5 5	5 .5
Aniline						5 5	5 5	5 5	Ď	,
4.Aminotyphenyl	•					5	5		á	
4-Chloroaniline	8					5		5 5	2 2	
1-Chloronapiththalene	•					5	5	5	Ď	5. <b>5</b>
Dibenzofuran	33					5	5	5	, ,	5 5
p-Dimethylaminoazobenzene						5	5	5	ה ה	
7,12-Dimethy®cnz(a)anthracene						ລ	5	5	ם ס	5 5
a.a.Dimethylphenethylamine	•					ភ	ö	5	ם	5
Diphenylanine						5	ö	5	ם	ñ
1,2-Diphenylhydrazine	•					5	5	in	<b>5</b>	5
Ethylmethanesulfonate						5	5	ລັ	Ď	ŝ
3-Methylcholanthrene						5	5	. <del>5</del>	<b>D</b>	j,
Methylmethanesulfonate	٠,					5	5	5	ח	Š
Z-Metayinaphinalene	355					<b>5</b>	ສ	5	ם	ö
A-Naphthylamine	•					<b>5</b>	5	5	מ	in
2. Nimaniline	٠ ١					5 :	<b>5</b> 7 :	<b>5</b> .∶	e :	
	3 2					5 5	5 :	5 :	ĵ:	
2 4-Nitroaniline	891	1	Note 2	Note 2	Note 2.	5 5	5 5	5 5	) É	5 5
N-Nitroso-di-n-burylamine						5 5	5 5	5 5		
N-Nitrosopiperidiene	•					5	5	5 5	ם ס	5 5
Pentachlorobenzene						5	ñ	5	n	Ś
Pentachloronitrobenzene						5	5	5	.D	ີລັ
Phenacetin,						5	ñ	ñ	n	Š
Z-Picoline						5	5	ສ	ס	5
Pronamide	•					5	5	5	ij	Ė
1,2,4,5-1 cirachlorexenzene A1-b-, B117	•					<b>5</b> :	5 :	5	ם :	5
Osama-Mill						5 5	5 8	<b>5</b> :	<b>)</b>	5 :
Beta-Bild	` §					5 5	5 5	5 5	<b>5</b>	5.5
Heptachk	33					; <u>5</u>	5 5	5 E		
Delta-Bli	8					5	5	5 5	ם מ	
Aldrin	330					5	5	5	כי	5 5
Heptachlor Epox.	330					in	5	ລ	ם	Ď
Endosulfan I						5	ñ	ö	מ	5
Dieldrin	88					5	5	ņ	à	•
4,4'.DDE	0001					·5	5	<b>5</b> .	ב	5
Endria						5	ñ	. 5	~ <b>⊃</b>	5
Endosulfan 11						ä	5	ñ	מ	ā
4,4°.DDD	88					5	ñ	ñ	ח	5
4,4'-DDT	_{දි}					5	ā	5	ב	5
Endosulfan Sulfate	<u>8</u>					5	5	ņ	ם	5
Endrin Aldehyde	•					ñ	ñ	5	ם	5
Endrin Ketone						<del>S</del>	õ	5	n	5
Chlordane	2000					5	5	5	ם	5

Table L.7 Site 2 - Soil Page 4D

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		Location/OC No:	MW12A-\$S3	MW12A-SSS	MW13A-SSI	MWI3A-SS3	MW13A-SS4	MW37-SS1	MW37-SS2	MW37-SS2 DUP
	Method	Sample Depth, (ft):	\$15	15-20	0.2	8-10	14-15	1.9		9.5°
	Detection Limit	Sample Date: Field Sample No.:	8-5-8 DANGB-2-MW12-SS3	8-5 R8 DANGB-2-MW12-SSS	8-5-86 DANGB-2-MWI3-SSI	8-5-88 DANGB-2-MW13-SS3	8-5-88 DANGII-2-MW13-SS4	8-15-88 DANGB-2-MW37-SSI	8-15-88 DANGB-2-MW37-SS2	8-15-86 DANGB-2-MW37-SS5
Parameter and Analysis Method		Lab Sample No.	88081662	88081663	880310/2	88081693	88081694	88081883	RR081884	88081887
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 2	\$270) Contin	ued page 2				*				
Benryl Alcohol	8		5	5	ອ	n	ñ	ä	ä	5
Acctophenone	•		5	5	5	5	5	5	5	5
Aniline	•		in	5	5	5	'n	55	ñ	ö
4-Aminobyphenyl	•		5	5	5	ົລ	5	5	ä	5 ,
4-Chloroaniline	8		5	5	5	5	ភ	5	, ,	ī
1-Chloronaphhthalene	•		ສ	5	5	õ	5	Ď	ö	<b>ສ</b>
Dibenzofuran	g		5	ອ	5	ສ	5	5	5	5
p-Dimethylaminoarobenzene	•		ö	ຣ	5	ភ	5	5	5	5
7,12.Dimethymenz(s)anthracene	•		<b>5</b> :	5	5 :	5	5	5 :	<b>5</b>	5 :
a-a-Dimethylphenethylamine	•		<b>5</b> :	5 :	5 5	5 :	<b>5</b>	5 5	5 _, 5	5 :
Dippenylamine	•		5 :	5 :	5 5	5 :	5 ;	5 :	5 :	5 :
1.2-Diphenylhydraune	•		5 :	<b>5</b>	5 ;	5 :	5 :	5 :	5 :	5 :
Lihylmethabesullonate	1		5 :	<b>5</b> :	5 :	5 :	<b>5</b> :	5 :	5 :	<b>5</b> :
3-Metayocholantarene	•		5 5	5 :	5 3	5 :	5 8	5 5	5 8	5 .3
Methylmethanesullonale	٠ ;		5 5	5 5	5 8	5 :	5 :	<b>5</b>	5 5	5 :
2-Methylnaphihalene	350		5 :	5 3	5 5	5 :	5 E	5 5	5 5	5 5
I-Naphrinylamine	•		<b>5</b>	<b>5</b> ;	5 :	5 :	5 :	5 :	5 :	5 5
	. 8	•	5 5	5 =	5 5	5 <b>:</b>	5 :	5 :	5 5	5 5
	3 5		5 5	5 5	5 5	5 5	5 5	5 5	5 5	5 5
S sinutoaniine	3 5		S E	5 5	5 5	5 5	5 5	5 =	5 E	5 =
	3 '		5 <b>5</b>	3 5	5 5	5 5	5 5	5 5	5 5	5 5
N-Nutroscoiperidiene	•		5 5	5 5	5 5	5 5	5 5	5 5	5 5	5.5
Pentachlorobenzene	•		5	5	5	5	5	5	5	ລ
Pentachloronitrobenzene	•		ö	ñ	ñ	5	in	ņ	5	5.
Phenacetin			5	5	5	'n		5	ö	5
2-Picoline	•		5	ä	5	ö	n	ā	5	ສ
Pronamide	•		5	5	5	5	ñ	5	õ	ລັ
1,24.5-Terrachlorobenzene	•		ñ	5	in	ລັ	5	5	ä	ก
Alpha-BiiC	•		5	5	ñ	5	5	້ວ :	5	<b>5</b>
Gamma-IIIIC	•		ລັ	5	ö	5	5	<b>5</b> :	<b>5</b> :	5
Beta-BilC	8		5	ö	<b>:</b>	<b>5</b>	ה ה	<b>5</b> ;	<b>5</b>	<b>5</b> :
Heptachlor	2		<b>5</b>	5	<b>5</b>	5	5	5	<b>5</b> :	<b>5</b> :
Delta-BilC	8		5 :	5 :	<b>5</b> :	5 :	5 :	<b>5</b> :	5 5	5 5
Aidna	3 5		5 5	5 5	5 5	5 E	5 E	5 5	5 5	3 E
Heptachior hyboxide	3		5 5	5 5	5 5	5 5	5 3	5 5	5 5	5 E
Contain	. \$		3 E	5 5	5 5	5 5	5 =	5 5	5 <b>E</b>	; <u>=</u>
44:00E	3 2		; <u>=</u>	5 2	<i>;</i> =	5 5	; <u>=</u>	5 =	5 5	5 5
4.4	3 '		5 5	5 =	5 =	5 2	5 5	5 =	5 <b>5</b>	<b>5 5</b>
Gadowillan II			5 5	5 <b>5</b>	5 5	5 5	5 =	<b>5</b>	<b>5</b>	5 5
44:000	· §		5 5	; <b>=</b>	5 5	5 5	5 5	5 5	5 5	5
44:DDF	8		5 5	5 5	5 5	5 5	5	5 5	5 5	5
Endogulfan Sulfate	8 8		5 5	5 5	5 5	; 5	5 5	5 5	5 5	5
Endrin Aldehyde	•		5 55	5	5	5	5	5	5	ຸສ
Endrin Ketone	•		ä	5	5	5	5	5	ŏ	5
Chlordane	2000		ö	Ö	ň	5	5	5	ö	·5

Table L.7 Site 2 - Soil Fage 4E

		Location/QC No:	MW37-SS3	MW37.SS4	MW3&SS1	MW38-SS*	MW38-SS4	ISS-6EMW	MW39-SS2	ESS-66WM
	Method	Sample Depth, (n):	16.17	17.5-18	0.15	9.10.5	17.19	61	X	21.22
	Detection		8-15-8 DANGB-2-MW37-SS3	8-15-8 DANGB-2-MW37-SS4	8-13-8 DANGB-2-MW38-SS1	8-13-88 DANGB-2-MW38-SS2	8-13-88 DANGII-2-MW38-SS3	8-15-88 DANGB-2-MW99-SSI	&15-88 DANGB-2-MW39-SS2	8-15-88 DANGB-2-MW39-SS3
Parameter and Analysis Method		Lab Sample No:	86081845	88081486	88081877	88081878	88081879	86081888	88081889	88081890
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 2	W 8270) Contin	ued page 2	•							
Benyl Alcobol	939		5	5	ח	n	ñ	5	5	כ
Acetophenone	•		ä	ö	ח	ח	5	ö	ă	כ
Aniline	•		5	5	ם	ם	ລັ	5	ភ	Ω
4-Aminotyphenyl	•		10	ä	a a	D	'n	5	5	מ
4-Chloroaniline	88		in	5	n	ח	5	<u>5</u> .	5	מ
1-Chloronapththalene	•		5	5	Þ	ם	5	Ď	5	ם
Decnzofuran	330		5	ສ	Þ	ດ	io	'n	Ö	ם
p-Dimethylaminoazobenzene	•		5	ñ	Ω	n	5	ö	5	Þ
7,12.Dimethylbenz(a)anthracene	•		5	5	ລ	ח	5	Ď	ň	ກ
a.a.Dimethylphenethylamine	•		5	ສ	Þ	ב	ລັ	5	ວັ	ם
Diphenylamine	•		5	5	Þ	n	ລັ	5	5	ם
1,2-Diphenylhydrazine	•		5	5	<b>D</b>	ם	5	5	ä	כ
Ethylmethanesulfonate			5	5	Þ	Þ	5	5	5	מ
3-Methylcholanthrene	•		ສ	ñ	<b>¬</b>	ב	5`·	5	ອ	Ω
Methylmethanesulfonate	•		<b>5</b>	5	ם	ם	ຸສ	5	ສ	ם
2-Methylnaphthalene	330		5	ວັ	D	ם	5	ສ	5	ם
1-Naphthylamine	•		5	5	ם	ב	õ	ö	5	ם
	•		ij,	5	כ	ם	ລ	ສ	5	כ
2-Nitroaniline	000		<b>5</b> :	<b>5</b>	<b>&gt;</b> :	ם :	<b>5</b>	5	<b>5</b>	<b>D</b> :
•	891		5 :	<b>5</b> :	<b>&gt;</b> :	<b>D</b> ;	5	5	5	: כ
4-Nitrosmiine	1600		5 :	5 ;	<b>D</b> :	<b>D</b> :	5	5 :	<b>5</b> :	<b>5</b> ;
N-Nitroso-di-n-butylamine			5 5	; :	<b>-</b> :	Þ:	ö <b>:</b>	5 :	5 ;	<b>&gt;</b> :
N-Mirosophermene			5 5		<b>5</b>	<b>-</b> :	5 5	5 5	5 5	÷ ، د
Feniachiorochizene	•		5 5	5 5	<b>&gt;</b> :	<b>&gt;</b> :	5 5	5 5	5 5	<b>&gt;</b> :
rentachioronarochzene necessis	•		<b>5</b>	5 5	<b>)</b> :	<b>:</b>	5 5	5 5	<b>5</b> :	<b>:</b>
renecting 2 piculing	• •		5 5	5 2	<b>&gt;</b> :	<b>=</b> =	5 5	5 5	5 5	<b>-</b>
Z-r Konipe	•		5 5	5 5	· :	<b>&gt;</b> :	5 3	5 :	<b>5</b> :	o :
Fronsmide	•		5 5	5 :	:. ⊂	<b>&gt;</b> :	5 :	5 :	5 :	<b>:</b>
Alpha-1111C	• 1		<b>5 £</b>		> =	<b>&gt;</b> =	Ö E	5 5	5 5	<b>&gt;</b> =
Old amage	•		; <b>:</b>		) =	=	5 5	5 · E	; <b>=</b>	> =
Bets-BITC	8		5 5	5 5	) =		5 5	5 5	5 5	) =
Heptachlor	330		5	5	ח	· >	ö	ö	5	ם
Delta-1911C	8		5	5	n	ם	ö	5	ä	n
Aldrin	330		ລ	Ö	n	n	5	ö	5	מ
Heysachlor Epoxide	330		ö	5	ם	ח	5	5	5	ລ
Endosulfan I	•		5	ä	O	ם	5	5	5	D
Dieldrin	8		5	5	n	ם	5	ລັ	ລັ	<b>D</b>
4,4*DDE	1000		ສ	ä	ם	<b>D</b>	ñ	5	5	D
Endrin	•		š	5	ם	כ	j ,	ā	5	n
Endosulfan II	•		5	5	ב	n	5	ñ	ä	Ω
4,4*DDD	88		5	5	ລ	D	5	ä	5	<b>5</b>
4,4*DDT	<b>8</b>		ä	ñ	D	<b>a</b>	ö	5	5	<b>.</b>
Endosulfan Sulfate	000		5	<u> </u>	ם	ם	5	5	ŏ	ם
Endrin Aldehyde	•		5 :	<b>3</b> :	<b>&gt;</b> :	<b>ɔ</b> :	<b>5</b> :	<b>5</b> -∶	<b>5</b> :	<b>:</b>
Endrin Ketone	• ;		<b>5</b> :	5 :	<b>D</b> :	<b>o</b> :	5 ;	5.	5 ;	<b>5</b> ;
Chlordane	8002		5	5		ב	ö	5	<del>ວ</del>	o e

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Table L-7 Site 2 - Soil Page 4F

Parameter and Analysis Method	Method Detection Limit	Location/OC No: Sample Depth. (it): Sample Date: Field Sample No: Lab Sample No:	MW40-SSI 6-1 8-16-88 DANGB-2-MW40-SSI RR081898	MW40,SS2 7.8 8.16.88 DANGB-2,MW40,SS2 88081877	MW40-583 155-16.5 8-16-88 DANGB-2-MW40-583	MW41-SS1 0-5 8-17-88 DANGII-2-MW41-SS1 88081938	MW41-SS1 DUP 0-5 8-17-88 DANGB-2-MP41-SS1 88081940	MW41-SS2 5-15 8-17-88 DANGB-2-MW41-SS2 88081939	MW41-SS2 DUP 5-15 8-17-8 DANGB-2-MP41-SS2 88081942	MW41-SS3 15-20 8-17-8 DANGB-2-MP41-SS3
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 2	8270) Continu	ued page 2						-	3	
Benryl Alcohol	8		מ	ם	n	5	5	10	Ē	Ē
Actophenone	•		ב	ח	מ	5 5	5 5	5 5	i 5	5
Aniline	•		ם	ס	n	ñ	5	5	5	5
4.Aminotyphenyl	•		ם	ם	D	5	ñ	ö	5	ລ
4-Chloroaniline	8		ם	ם	ם	ភ	in	i	ñ	ä
I-Chloronapyhthalene	• ;		ם ו	בי ב	ח	ລ	ä	ä	ā	ö
Disenzofuran	S.		: c	: כ	ם :	5	ສ	5	5	ö
p-Dimethytaminoazobenzene			<b>:</b>	<b>:</b>	<b>&gt;</b> :	<b>5</b>	<b>5</b>	5	5	5
7,12-Dimetnybenz(a)aninacene	•		<b>-</b> -		<b>&gt;</b> :	5 :	<b>5</b> :	5 :	5 :	<b>5</b> :
Diphemtamine	•		כס	<b>&gt;</b> >	o	5 5	5 <b>5</b>	5 5	5 5	5 5
1.2.Diphenylhydrazine	•		· <b>D</b>	ח	• >	5 5	5 5	5 5	5 5	5 5
Ethylmethanerulfonate	•		D	מ	ם	5	ñ	5	5	5
3-Methylcholanthrenc	•		ם	ם	ם	ລັ	ñ	5	5	ä
Methylmethanesulfonate	•		ם י	٥.	n	5	ñ	ä	5	5
	2		: c	י מ	ם :	5	5	ö	ā	5
1-Naphitylamine	•		<b>:</b>	<b>&gt;</b> :	⊃:	<b>5</b> :	<b>5</b>	<b>5</b> :	<b>5</b>	5 :
S Samuellanine	• 8		) :	<b>-</b> :	5:	5 :	5 :	5 5	5 i	<b>5</b> :
3-Numeriline	3 9		<b>&gt;</b> =	<b>&gt;</b> =	<b>&gt;</b> =	5 5	5 5	5 5	5 5	5 5
4-Nirosniline	091		<b>7</b>		) <u>-</u>	5 5	5 5	5 =	5 5	5 E
N-Nitroso-di-n-t-arytamine	•		5	ם י	ם	5	5	5 5	5 5	5 5
N-Nitroszpiperidiene	•		מ	ລ	n	5	- <b>5</b>	Ų	ñ	ñ
Pentachlorobenzene	•		מ	n	Þ	'n	in,	5	5	5
Pentachloronitrobenzene	•		: כ	: פ	ב, כ	5	5	ັລ	5	ā
Phenacetin	•		<b>-</b> :	<b>:</b>	<b>:</b>	5 :	<b>5</b> :	<b>5</b> :	<b>5</b> :	<b>5</b> :
Property			<b>&gt; =</b>		) <b>:</b>	5 5	5 5	5 5	5 5	5 5
1,24.5-Tetrachlorobenzene	•		כס	2	כס	5 5	5 5	5 5	5 5	5
Alpha-BHC	•		מ	ח	n	ä	10	ñ	ij	ñ
Gamma-BIIC	•		ם	n	Þ	ñ	5	ö	5	ă
Deta-BIIC	§ ;		<b>&gt;</b> :	<b>:</b>	: כ	j i	5	5 :	<b>5</b>	<b>5</b> :
Heplachor Posts Bill	3 8		כ כ	<b>:</b>	<b>:</b>	5 :	<b>5</b> :	<b>5</b> :	5 :	<b>5</b> .€
Aldrin	<b>?</b>		ככ		P =	5 5	5 2	5 5	3 <b>5</b>	5 <b>5</b>
Heptachlor Epoxide	æ		5	ם י	· ⊃	; <b>5</b>	5 5	5	5 5	5 5
Endosultan I	•		ב	ח	ם	5	5	ñ	ñ	ñ
Dieldrin	8		מ	ס	ם	ñ	5	ð	5	ñ
44:DDE	8		י י	ה י	<b>D</b> :	<b>5</b>	5	<b>5</b>	5	<b>5</b> :
Endan T- 1-1-1-1	•		<b>:</b>	o :	⊃ :	5 f	5 :	5 <b>:</b>	<b>5</b> :	5 :
15000tulen 11	. 8		) <u> </u>	o =	<b>-</b>	<b>5</b>	5 5	5 =	5 5	5 5
44:DDT	2				=	5 5	5 5	5 <b>5</b>	5 5	5 5
Endogulfan Sulfate	8		ם מ	2	; <b>ɔ</b>	5 5	5	5 5	5.5	5, <b>5</b>
Endrin Aldehyde	•		n	n	n	5	in	'n	i i	ñ
Endrin Ketone	•		ח	ח		5	5	ä	5	ä
Chlordane	2002		ם	ם	ח	ă	ñ	in	ວັ	ă

Table L.7 Site 2 - Soil Page SA

		Location/OC No:	188-1118	BHI-SS2	PSS-IIIB	SSS-IIII	988-1118	BI12-SS1	BH2-SS4	BH2-SS6
	Method	Sample Depth, (ft):	0.7	Z	8-9	8-10	10.12	0.5	8-9	10-12
	Detection	Sample Date:	7-20-88	7.29.88	7.29.88	7.29.88	7.30-88	7-30-88	7-30-88	7-30-88
Parameter and Analysis Method	Limit	Field Sample Noz Lab Sample Noz	DANGB-2-BHI-SSI 88071554	DANGB-2-BH1-SS2 88071553	DANGB-2-BHI-SS4 88071552	DANGI)-2-11111-SSS R80715SS	DANGB-2-BH1-SS6 88081589	DANGB-2-BH2-SS1 88081590	DANGB-2-BH2-SS4 88081591	DANGB-2-BI12-SS6 88081592
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	(SW 8270) Contin	c safe 3				-	•		-	
Methonychlor	•		מ	5	ב	D	n	ב	ב	,
Toxaphene	2002		מ	5	ם	ח	<b>-</b>	5	ב	ם י
Aroclor-1016	2002		ם	Þ	ם	ח	ם	ב	Ď	ם
Arodor-1221	2000		ם	כ	כ	ח	כ	Þ	ລ	2
Aroctor-1232	2000		כ	>	D	ח	D	ח	ם	ח
Aroctor-12/2	2000		ם	Þ	ם	ח	Þ	ס	<b>&gt;</b>	•
Aroctor-1248	2000		Þ	ב	ם	O	D	ס	Þ	<b>D</b>
Aroctor-1254	2000		ב	ס	ם	Ġ	ם	D	ם	D
Aroctor-1260	2000		ם	ס	ם	ם		ם	ם	ם
2-Chlorophenol	or		<b>¬</b>	ח	כ	ח	כ	מ	ລ	n
2-Nitrophenol	330		ם	ם	Þ	ם	ם	ח	כ	<b>~</b>
Phenol	330		ם	ב	ם	D	ם	מ	Ď	Þ
24-Dimethylphenol	or or		ם	D	D	ח	Þ	מ	n	ם
2.4-Dichlorophenol	330		ם	ם	ם	ם	מ	D	ח	ם
2.4.6-Trichlorophenol	330		כ	ב	ם	ם	ח	Þ	>	ם
4-Chloro-3-methylphenol	99		ם	כ	ם	כ	מ	ם	ב	ח
2.4-Dinitrophenol	1600		5	D	n	ח	>	ם	כ	ם
2.6-Dichlorophenol	•		כ	ם	כ	ם	n	ם	ב	2
2-Methyl-,6-dinitrophenol	1600		ח	ם	ם	ח	ב	Ì	ח	ב
Pentachlorophenol	1600		Þ	כ	D	ם	Þ	ב	D	ڥ <b>&gt;</b>
4-Nitrophenol	1600		ם	D	ב	מ	ח	ũ	À	ם
Benzoic Acid	1600		ם	ב	Ð	ם	D	ם	כ	ח
2-Methylpheno!	330		5	ם	ם	D	n	ם	n	n
3&4-Methylpherol	æ		ם	ם	ם	ם	ם	ם	Ω	Þ
2,3,4,6-Tetrachlorophenol	•		ם	ם	ם	Ω	n	ם	מ	ם
2.4.5-Trichlorophenol	330			Þ	כ	D	n	מ	Š	כ

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F. Constant
Freedom \$
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Table L.7 Site 2 - Soil Page 513

		Location/QC No:	D112-SS9	BIH R-SSI	BHI R-SS2	DHI R-SS3	DIII R-SS4	BHI R-SSS	BHI R-SS6	BHI R-SS7
	Method	Sample Depth, (ft):	16-18	0.5	7.	8-9	8-10	10-12	15-17	25:24
	Detection	Sample Date:	7.30.88	8.30.88	8-30-88	8-30.83	8-30 88	8-30-88	8-30-88	8-30-88
Posterior A Anna Comment	Limit	Field Sample No.	DANGB-2-BH2-SS9	DANGB-2-11111-SS1	DANGB-2-BIII-SS2	DANGB-2-BHI-SS3	DANGB-2-BH1-SS4	DANGB-2-BHI-SSS	DANGB-2-BHI-SS6	DANGB-2-BHI-SS7
ratameter and Analysis mental		Cal Sample 10.	CYCIONO	C177/000	0177/000	01777000	(177,6000	60074719	C7771000	W771/000
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	W 8270) Continu	ued page 3					•			
Methoxychlor	•		ם						5	ä
Toxaphene	2000		ם						ö	, ,
Arodor-1016	2002		>						õ	ວັ
Aroclor-1221	2000		ח						5	5
Aroclor-1232	2000		ב						ö	5
Aroclor-1242	2000		כ						n	ö
Aroctor-1248	2000		>						'n	ñ
Aroclor-1254	2000		ח						5	5
Aroclor-1260	2000		כ						5	5
2-Chlorophenol	330		כ						ລ	5
2-Nitrophenol	330		ם						ä	5
Phenol	330		ח	Note 2.	Note 2.	Note 2.	Note 2.	Note 2.	ä	5
2.4.Dimethylphenol	330		ח						ä	5
2.4-Dichlorophenol	330		>						ລັ	. S
2,4,6-Trichlorophenol	330		כ						5	5
4-Chloro-3-methylphenol	999		ח						5	ö
2,4.Dinitrophenol	1600		<b>¬</b>						5	ā
2,6-Dichlorophenol	•		ח						ສ	ñ
2-Methyl-4,6-dinitrophenol	1600		n						'n	5
Pentachlorophenol	1600		n						5	5
4-Nitrophenol	1600		ס						5	ā
Benzoic Acid	1600		מ						5	5
2-Methylphenol	330		ם						5	5
3&4-Methylphenol	330		ם						5	5
2,3,4,6-Tetrachlorophenol			<b>¬</b>						5	5
24.5-Trichlorophenol	33		,						ă	<u>ವ</u>

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Table L-7 Site 2 - Soil

D Analyzis Method LE ORGANICS (SW 8	Method Detection Limit  2000 2000 2000 2000 2000 2000	Sample Depth, (A): Sample Date:	6.5	8-30-88	10-12			24.25	0.5	. 0.2
Parameter and Analysis Method SEMI-VOLATILE ORGANICS (SW & Methoxychlor Toxaphene Arochor-1216 Arochor-1221 Arochor-1222 Arochor-1232 Arochor-1243 Arochor-1248 Arochor-1248 Arochor-1248	Limit Limit 270) Continu 2000 2000 2000 2000	Sample Date:	*****	8-30-88		14-15	20:22	1		
Parameter and Analysis Method SEMI-VOLATILE ORGANICS (SW & Methoxychlor Toxaphene Arockor-1221 Arockor-1222 Arockor-1232 Arockor-1234 Arockor-1248 Arockor-1248 Arockor-1248	Limit (270) Continu 2000 2000 2000		8-30-88	******	8-30-88	8-30 88	8-30-88	. 8-30-88	8-5-88	8-5-88
SEMI-VOLATILE ORGANICS (SW & Methoxychlor Toxaphene Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1254	270) Continu 2000 2000 2000 2000	Field Sample No.: Lab Sample No.:	DANGB-2-BH2-SS1 88092220	DANGIB-2-III12-SS2 8802221	DANGB-2-BH2-SS3 89092222	DANGII-2-BH2-SS4 8802225	DANGB-2-BH2-SSS 8802226	DANGB-2-BH2-SS6	DANGB-2-BII2-SS6 DANGB-2-MWI2-SSI	DANGB-2-MW12-SS4
SEMI-VOLÁTILE ORGANICS (SW & Methoxychlor Toxaphene Aroclor-1016 Aroclor-1221 Aroclor-1222 Aroclor-1232 Aroclor-1245 Aroclor-1248 Aroclor-1260	270) Continu 2000 2000 2000 2000							177	COTOCO	COTONO
Methoxychlor Toxaphene Aroclor-1016 Aroclor-1221 Aroclor-1242 Aroclor-1248 Aroclor-1248 Aroclor-1254 Aroclor-1250	, 2000 2000 2000 2000 2000 2000 2000 20	ed page 3				*				
Toxaphene Aroclor-1016 Aroclor-1221 Aroclor-1242 Aroclor-1248 Aroclor-1248 Aroclor-1248 Aroclor-1254	2000 2000 2000 2000					5	ä	III	7	=
Aroclor-1016 Aroclor-1221 Aroclor-1232 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1250	XXX XXX					5	5	5 5	5	; ;
Aroclor:1221 Aroclor:1232 Aroclor:1248 Aroclor:1254 Aroclor:1250	2000					5	ň,	5	•	5
Aroctor-1232 Aroctor-1248 Aroctor-1254 Aroctor-1250	2000					5	ñ	ö	ח	
Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260						5	ñ	5		Ď
Aroctor-1248 Aroctor-1254 Aroctor-1260	2002					ñ	5	5	D	ב
Arodor-1254 Arodor-1260	2000					ñ	5	5	D	
Aroclor-1260	2000					ñ	5	5	Ģ	5
	2002					5	ñ	5	2	Í
2-Chloropherfol	330					5	5	5	כ	ิ
2-Nitrophenol	330					ñ	io	5	<b>D</b> ·	
Phenol	330		Note 2.	Note 2	Note 2.	ñ	5	5	- <b>D</b>	์ อั
2,4.Dimethylphenol	330					5	ā	5	כ	. <del>5</del>
2,4-Dichlorophenol	330					5	5	ō	מ	<del>ວ</del>
2,4,6-Trichlorophenol	330					5	5	5	כ	S S
4-Chloro-3-methylphenol	99					5	5	5	ח	ຼ <del>ົ</del>
2,4-Dinitrophenol	1600					5	ñ.	5	ם	ລັ
26-Dichlorophenol						5	Ċ	.5	n	,ã
2-Methyl-4,6-dinitrophenol	1600	•				5	in :	5	מ	בֿ
Pentachlorophenol	1600					5	5	5	ב	ສັ
4-Nitrophenol	1600					ñ	n	5	<b>5</b>	<del>ວ</del>
Benzoic Acid	1600					5	5	5	•	ົລັ
2-Methylphenol	330					5	5	5	n	ĵ
3&4-Methylphenol	330					ö	5	5	כ	Ď
2,3,4,6-Tetrachlorophenol	•					ñ	5	5	ב	5
2,4,5-Trichlorúphenol	330			,		5	5	5	ם	Í

Table L.7 Site 2 - Soil Page 5D

		Location/OC No:	MW12A-SS3	MWIZA-SSS	MWI3A-SSI	MWI3A-SS3	MWI3A-SS4	MW37-SSI	MW37-SS2	MW37-SS2 DUP	DOP
	Method	Sample Depth, (ft):	5.15	15:20	0.5	8-10	14-15	3			ž
	Detection	Sample Date:	8.5-88	8-5-88	8-5-88	8-5-88	8.5.88	8-15-88	8-15-88		8-15-88
Personaley and Anabolic Method	Limit	Field Sample No.:	DANGB-2-MWI2-SS3	DANGB-2-MW12-SSS	DANGB-2-MWI3-SSI	DANGB-2-MW13-SS3	DANGB-2-MW13-SS4	DANGB-2-MW37-SS1	DANGB-2-MW37-SS2	DANGB-2-M	W37-SS5
		TO THE WATER OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH			701000	COTON	ACCITIONAL D	Contores		8	
SEMI-VOLATILE ORGANICS (SW 8274) Conlinued page 3	SW &Z70) Contine	red bake 3									
Methoxychlor	•		5	ñ	5	5	5	5	ភ		5
Toxaphene	3000		ñ	5	5	5	5	5	5		5
Aroctor-1016	2000		5	5	5	5	5	5	ñ		5
Aroclor 1221	000Z		5	ö	in	5	5	5	5		5
Aroctor-1232	2000		5	5	ä	ñ	5	Ħ	5	•	5
Arador 1242	2000		5	5	5	5	5	5	5		5
Aroctor-1248	2000		ñ	5	5	5	5	5	5		5
Aroclor-1254	2002		5	5	5	5	ij	ñ	ñ	•	ö
Aroctor-1200	2008		5	5	5	5	5	5	5		5
2-Chlorophenol	88		ñ	ñ	ä	ö	ö	5		-	5
2-Nitrophenol	33		5	5	ñ	ñ	5	5	ວ		ä
Phenol	82		5	Ď	5	5	5	5	ņ		5
2.4-Dimethylphenol	å		5	5	ວັ	5	5	5	5,		5.
2.4-Dichlorophenoi	æ		5	5	5	5	5	ñ	ñ		5
2.4.6-Trichlorophenol	330		5	5	5	ñ	ñ	5			5
4-Chloro-3-methylphenol	93		5	5	ວັ	ñ	5	5			5
2.4.Dinitrophenol	1000		5	5	5	5	5	5	'n		5
2,6-Dichlorophenol	•		5	5	ñ	i		5	5		5
3-Methyl-16-dinitrophenol	1600		5	ā	5	5	5	ö	5		. <del>5</del>
Fentachlorophenol	1600	•	5	5	ລັ	ñ	ö	ö	5		5
4-Nitrophenol	1000		5	5	່ລ	5	5	ñ	5		ij
Benzoic Acid	1600		5	5	in	Ē	5	ä			5
2-Methylphenol	330		5	5	Ď	5	5	5	ລັ		ö
3.84.14ethylphenol	æ		5	5	5	5	5	Ð,	ລັ		5
23.4.6-Tetrachlorophenol	•		5	5	5	5	5	Ë			5
24 STrictlomohenol	330		5	5	n	5	5		11		Ξ

Table L.7 Sue 2 - Soil

		Location/OC No:	MW37.SS3	WWJ7.SS4	NW38-SS1	MW38-SS2	MW38-SS3	ISS-6£MM	MW39-SS2	MW39-SS3	
	Method	Sample Depth, (ft):	16-17	17.5.18	0-1.5	9-10.5	17.19	3	X	21-22	
	Detection	Sample Date:	8-15-88	8-15-88	8-13-88	8-13-88	8-13-88	8-15-88	8-15-88	8-15-88	•
	Limit		DANGB-2-MW37-SS3	DANGB-2-MW37-SS3 DANGB-2-MW37-SS4	DANGB-2-MW38-SSI	DANGIB-2-MW38-SS2	DANGB-2-MW38-SS3	DANGB-2-MW39-SSI	DANGB-2-MW39-SS2	DANGB-2-MW39-SS3	•
Parameter and Analysis Method		Lab Sample No.:	88081885	89081886	£8081877.	82081878	88081871	88081888	88081889	83531890	
SEMI-VOLATILE ORGANICS (SW 8770) Coalinued page 3	SW 8270) Contin	ucd page 3							,		
Methoxychlor	•		ñ	ລັ	ם	ח	ם	5	<b>5</b>	Ω	
Toxaphene	2002		ສ	S	Ω	Ω	n	5	5	n	
Aroctor-1016	2000		ī	ັລ	<b>D</b>	ם	n	ñ	5	Þ.	
Aroctor-1221	2002		ö	5	ם	ח	n	5	5	5	
Aroctor-1232	2000		5	5	ם	ם	٥.	5	5	בי	
Aroctor-1242	2002		5	ລ	n	מ	ח	'n	<b>5</b>	n	
Aroclor-1248	2000		ñ	5	ב	<b>5</b>	=	5	' <del>5</del>	ລ	1
Aroctor-1254	2000		ລ	5	כ	ם	· ⊃	5	ö	<b>.</b>	
Aroclor-1260	2000		5	ñ	ח	n	n	Ď	ñ	D	
2-Chlorophenol	330		ລ	ភ	n	ח	Ω	5	กั	Þ	
2-Nitrophenol	330		5	ñ	ח	ם	n	ö	<b>5</b>	D	
Phenol	330		5	5	D	ם	ם	5	i	ח	
2.4-Dimethylphenol	330		5	5	ם	ס	n ·	ä	Đ.	D	
24-Dichlorophenol	33		ລ	5	n	D	ח	5	ä	D	
2.4.6-Trichlorophenol	330		ã	5	ח	מ	ח	5	·ລັ	D	
4-Chloro-3-methylphenol	99		ä	5	D	D	D	5	5	n	
2.4-Dinitrophenol	1000		5	5	<b>=</b>	D	ח	5	5	Ď	
2.6-Dichlorophenol	•		5	ສ	n	a	D	ñ	5	<b>ɔ</b>	
2-Methyl-4,6-dinitrophenol	1600		ä	5	ח	ח	ם	5.	5	Ð	
Pentachlorophenol	1600		ï	5.	ם	ם	n	5	5	Ð	
4-Nitrophenol	1600		5	5	ם	ם	ם	5	5	n .	
Benzole Acid	1600		5	5	D	2	D	5	ສີ	D	
2-Methylphenol	330		5	55	ם	D	ם	5	, 5	<b>&gt;</b>	
3&4-Methylphenol	330		5	Ď	2	D	מ	5	5	<b>5</b>	
2,3,4,6-Tetrachlorophenol	٠		5	5	ם	<b>D</b>	<b>D</b>	ñ	5	⊃ [^]	
2,4.5-Trichistrophenol	330		5	5	מ	a	a	5	5	Þ	

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Table L.7 Suc 2 - Soil Page SF

		Location/QC No:	MW40-SS1	MW40-SS2	MW40-SS3	MW41-SSI	MW41-SSI DUP	MW41-SS2	MW41-SS2 DUP	MWAI.CC
	Method	Sample Depth, (ft):	9.	7.8	155-165	2.0	5.0		5.15	
	Detection	Sample Date:	8-16-88	8-16-88	8-16-88	8-17-88	8-17-88	8-17-88	8-17-88	•
	Limit	Field Sample No.	Field Sample No.: DANGB-2:MW40-SSI DANG	B-2-M	DANGB-2-MW40-SS3	DANGB-2-MW41-SS1	DANGB-2-MP41-SSI	DANGB-2-MW41-SS2	DANGB-2-MP41-SS2	DANGB-2-M
Parameter and Analysis Method		Lab Sample No.:	83081808	84081899	88081900	88081938	88081940	84081939	89081942	17618088
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	(SW 8270) Contin	g əzed pən					,			
Methosychlor	•		ח	ם	ם	5	ñ	5	ä	5
Toxaphene	2000		ם	ם	מ	5	5	5	ö	5 5
Aroctor-1016	2002		ח	ם	כ	5	ñ	5	5	ם ס
Arocior-1221	2000		ב	U	ם	5	ñ	ö	5	5
Arodor-1232	2000		ם	_	ב	5	5	5	5	5
Aroclor-1242	2000		n	n	ח	ö	ñ	5	5	S
Aroclor-1248	2000		n	n	ם	5 ,	5	5	5	מ
Arodor 1254	2000		n	n	ם	5	5	5	5	5
Aroctor-1200	2002		מ	ח	n	5	ö	5	5	ñ
2-Chlorophenol	330		מ	ם	7	5	in	5	ñ	5
2-Nitrophenol	330		ב	כ	Ω	5	ñ	ñ	ä	ñ
Phenol	æ		ח	ס	n	5	5	.5	ņ	5
2,4-Dimethylphenol	330		ם	n	ב	ä	ñ	5	5	5
2,4-Dichlorophenol	330		ם	כ	<b>n</b>	ñ	in		5	ສ
2,4,6-Trichlorophenol	33		ם	ח	ח	5	5	5	5	5
•	99		Þ	מ ,	ם	in	ñ	5	ā	ā
24-Dinitrophenot	1600		n	ם	ב	ā	5	ö	5	55
2,6-Dichlorophenol	•		ם	ח	⊃	5	5	ñ	5	Þ
2-Methyl-,6-dinitrophenol	0001		כ	ם	D	5	5	5	ສ	5
Pentachlorophenol	1600		מ	ם	ב	5	ລ	5	5	כ
4-Nitrophenol	0091		ם	n	ב	5	5	5	ä	5
Benzoic Acid	1600		ם	n .	ב	5	ñ	ລັ	5	ñ
2-Methylphenoi	330		ב	n	מ	'n	in	ភ	5	5
3&4-Methylphenol	8		ם	n	D	ñ	5	5	5	ō
23,4,6-Tetrachlorophenol	•		ח	ם	ח	5	5	5	ä	ສ
2.4.5-Trichlorophenol	330		כ	ר	n	5	ñ	5	ສ	<b>&gt;</b>

Table 1.7
Site 2 - Soil

Parameter and Analyzis Method	Method Detection Limit	Location/OC No: Sample Depth, (n): Sample Date: Field Sample No: Lab Sample No:	611-551 02 7-20-83 DANGD-3-0111-551 88071554	14.552 24 7.25-88 DANGD-2-BHI-552 88071553	BHI-554 6-8 7-20-88 DANGD-2-BHI-554 88071552	8-10 7-22-88 DANGE-2-BILL-SSS 880715SS	BHI-5S6 10-12 7-30-88 DANGB-2-BHI-5S6 88081589	B112-SS1 0-2 7-30-88 DANGB-2-B112-SS1 88081590	10:15:53 8-9:-7; 8-3:21116:2:30AAG	B112.556- 10-12 7.30-88 DANGB-2-BH2.556 88081592
PESTICIDES AND PCB's (SW 8380)	ŝ							,		,
Data Package		•	416	116	<b>₹</b> 16	, <b>*</b> 16	<b>1.1</b>	<b>F</b> *	£4	
Aldrin	900		n	ם	ם	n	Đ	ם	ב	ם
Alpha-BliC	\$0.0		ב	ח	D	Ω	ם	n	. 🔾	ລ
Deta-Difc	0.00 20.00		<b>5</b> :	Þ ;	Þ:	<b>)</b>	: כ	<b>&gt;</b> :	.э ;	<b>ɔ</b> :
Delia-Blic Gamma-Rlic	9 9 8		<b>5</b>	<b>D E</b>	> =	<b>&gt;</b> =	<b>&gt;</b> =	D =	<b>P =</b>	D =
Chlordane	3		) <b>)</b>	) <b>(</b> )		) D	<b>&gt;</b>	o. 5	2	<b>5</b>
44.DDD	0.10		מ	n	n	ם	D	Ď	n	'n
4 <b>4.</b> DDE	0.10		ס	D	۵.	ח	n .	Ď	D	ח
4,4.DDT	0.10		<b>ɔ</b> :	Þ ;	Þ;	<b>ɔ</b> ;	<b>ɔ</b> :	Þ:	<b>:</b>	ָם:
Dieldrin	0.10		<b>:</b>	<b>-</b>	<b>&gt;</b> :	<b>)</b>	<b>)</b> :	<b>:</b>	<b>&gt;</b> :	<b>:</b>
Endosultan II	9 010		<b>-</b>	2	9 5	ככ	ככ	ם ס	ככ	<b>&gt;</b> =
Endosultan Sulfate	0.10		5	כי	כי	י ה	5	כס	כפ	) <b>&gt;</b>
Endrin	0.10		n	ח	O	ם	ם	n	מ	ם
Heptachlor	50.0		כ	ח	n	ח	n	Þ	Ω	Đ
Heptachlor Epoxide	500		<b>5</b>	D:	<b>&gt;</b> :	<b>D</b> :	<b>D</b> :	<b>D</b> :	D:	<b>&gt;</b>
Methoxychlor	S .		<b>:</b>	כ כ	0 2	<b>-</b>	<b>)</b>	<b>&gt;</b> :	ã. <b>:</b>	<b>)</b>
roxapnene PCn.totk	3 2		<b>&gt;</b> =	<b>&gt;</b> =	<b>=</b>	> =	o .E	> =	o- <b>=</b>	> =
PCB-1221	3 2		כס	כס	כס	) <b>)</b>	ם ס	ם מ	ם	ם ס
PCB-1232	50		Ď	ח	מ	D,	n	n	ם	D.
PCB-1242	20		n	D	ົດ	, D	n	Đ	ם	Ď
PCB-1248	20		ם	כ	ם י	י כ	<b>5</b>	: c	ם :	<b>ɔ</b> :
PCB-1254	2:		) :	) `	בכ	<b>&gt;</b> =				<b>-</b>
PCB-1260	3		•	ס	5	•	0	•	Þ	•
TOTAL PETROLEUM HYDROCARBONS (EPA 4181)	ARBONS (EPA	(4181)								
Data Package			\$16	\$16	<b>\$1</b>	#16	1.4	L#	L#	4.
Units: mg/kg	8		0096	3200	2200	2300	150	9100	104	01×
MOISTURE										
Data Package			914	116	<b>₹</b> 16	<b>#</b> 16	1.1	4.1	4.7	4.1
Units: Weight percent			64	*8	12.8	159	13.6	4.6	6	11.8
METALS (Units mg/kg)										
Data Package			912	116	<b>₹1</b> 8	<b>#</b> 16	1.1	1.1	L#	7.4
Arsenic (SW 7000)			3.7 4	184	14.	2.7 #	1.7 #	# 21	1,3 #	4.2.¢
Barium (SW (010)			\$62	292	93	19	23	8	41	<b>X</b>
Cadmium (SW 7131)			18.1 UV	0.52 ¥	0.15 B &	# £1900 £20	₩ 80 60°0	* 970 82	an an	9 II II
Chromium (Sw 7421)			7.7 7.0	¥ 2	W. *		399	<u> </u>	. v	
Mercury (SW 7471)			0.2	<0.2	<0.5	<0.2	. <02	<0.2	<0.2	
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		Location/OC No:	BH2-SS9	BILL R-SSI	BHII R-SS2	BHI R-SS3	BHH R-SS4	BH1 R-SSS	BH1 R-SS6	BHI R-SS7
	Detection	Sample Letyth, (u.): Sample Date:	7.30-88	8.30-88	8-30-88	6-8 8-30-88	8-10 8-30-88	,10-12 8-30-88	15-17 8-30-8	8.30.8 8.30.8
Parameter and Analytis Method	Chuic	Field Sample No.: Lab Sample No.:	DANGB-2-BH2-SS9 88081593	DANGB-2-BHI-SSI 88092215	DANGB-2-BH1-SS2 88092216	DANGB-2-BH11-SS3 88992218	DANGB-2-BH1-554 8892217	DANGB-2-BHI-SS5 88092219	DANGB-2-BH1-SS6 8809223	DANGB-2-BHI-SS7 88092224
PESTICIDES AND PCIF's (SW 8680)						•				•
Data Package			64							-
Aldrin	900		ם	N.	N.	NR	N.	Z.	N.	ä
Aiphe-BilC	50.0		ם	ä	ž	~X	Z.	N. N.	Z	N.
Defa-BHC	500		מ	NR	NR	an and	N.	N.N.	an an	R. R.
Delta-BISC	500		ם	NR	N.	NR.	ÄN	NN.	AN.	AN.
Gamma-MIC	500		ם	N.	ä	X.	N.	'n	NN	AN.
Chlordane	٥٥ ک		: מ	N.	N.	NR		X.	NR	N.
4.4.DDD	0.0		<b>:</b>	Z i	ž i	ZZ :	ž :	#Z !	<b>XX</b>	<u>ጽ</u>
44:DDT	0.10		) <u>=</u>	žž	ž	ž ž	Z Z	ž s	ж	X 2
Dieklan	0.10		ם מ	ž	Z Z	4 E	ž	2.2	K Z	4 A
Endosulfan I	São		ם	<b>2</b>	ž	Z X	ž	Z Z	AN AN	X X
Endosulfan II	0.10		n	Ä	NN.	N.	ä	N.	N.	NR
Endorulfan Sulfate	0.10		: כ	ž	N.	N.	¥.	N.	NR	. X
Lodin	0.10		<b>-</b>	× 2	Z Z	~ °	z i	ž š	X :	K .
leptachlor Epoxide	8 8		) <b>&gt;</b>	ž	ž ž	ž ž	ž	ž ž	X 2	X X
Methoxychlor	0.5		n	NN	N.	N.	άχ	ZZ	NR	, N
Toxaphene	9		מ	ZZ.	an N	NR	ä	N.	N.	"X
PCB-1016	0. د د		: כ	X X	~ZZ	ž	¥X	N.	<b>X</b>	XX.
PCIF-1221	90		<b>&gt;</b> :	ž i	ž i	ž :	EX :	¥ !	Z :	Z !
PCB-1232 PCB-1242	3 5		<b>⊃</b> =	žž	ž ž	ž ž	≃ can	X 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Z
PCB-1248	20			, W	A.	Z X	X X	E Z	E Z	ž X
PCB-1254	0.1		ם	ž	N.	N N	N N	Z.X	Z.Z.	N. N.
PCB-1200	0.1		כ	N.	ž	N.	ZZ.	N.	NR	X.
TOTAL FETROLEUM HYDROCARBONS (EPA 418.1)	BONS (EPA	18.1)								~
Data Package			1.0						.#32	<b>₩</b> 32
Unite: mg/kg	81		<100	Note 2.	Note 2.	Note 2.	Note 2.	Note 2	ח	מ
MOISTURE										
Data Package			7.4	135	#35	135	*35	#35	#32	<b>♦</b> 32
Units: Weight percent			8.2	69	6.6	13.8	12.0	6.1	7.9	89
METALS (Units mg/kg)										
Data Padage			<i>1</i> 4		•		•		#35	
Arsenic (SW 700)			151	NR	N.	AN	a z	N.	NR	N.
Barium (SW 6010)			7	Note 2.	Note 2.	Note 2.	Note 2,	Note 2.	519	5.14
Cadmium (SW 7131)			0.12 13 4	Nor 2.	Note 2.	Note 2.	Note 2.	Note 2.	N 98	N8.7.
Chromium (SW 1891)			ž °	Note 2.	Note 2.	Note 2.	Note 2.	Note 2.	303	6.7
11/2 M CT						7 200				

Table L.7 Sue 2 - Soil Page CC

	Method	Location/QC No: Sample Depth. (ft):	BH2 R-SS1 0-2	M12 R-SS2	BH2 R-SS3 10-12	DH2 R-SS4 14-15	BH2 R-SSS 20-22	BH2 R-SS6 24-25	MWI2A-SSI	MW12A-SSI DUP
a	Detection	Sample Date: Field Sample No.:	8-30-88 DANGB-2-BH2-SS1	8-30-88 DANGIH-2-IIII2-SS2	8-30-88 DANGB-2-BH2-SS3	8-30-88 DANGB-2-BH2-SS4	8-30-88 DANGB-2-BH2-SSS	8-30-88 DANGB-2-BH2-SS6	DANGB.2.N	PANGB-2-MW12
Parameter and Analysis Method		Lab Sample No.	88092220	88072221	88092222	88092225	880)2226	880922Z	88081661	89081664
PESTICIOES AND PCII's (SW 8080)										
Data Package						,				
Aldrin	500		Z	×	N.	ž	N.	N.	Z.	Z
Aloha-BHC	São		az.	NN	N.	ZZ.	ž.	N.	N.	Z
Beta-BHC	500		N.	N.	ž	N.	NR	NR	NR	Ž .
Delta-BitC	500		NR.	~X	N.	ž	ž	AN.	NR.	2
Gamma-BIIC	9.05		NR.	NR	ž	ž	NN	NR	NR	Z
Chlordane	20		<b>X</b>	N.	Z :	<b>X</b>	XX	AN :	XX :	AN.
4,4:000	0.10		ž	ž	Z Z	N.	ZZ ·	and and and and and and and and and and	ž.	Z
4,4*DDE	0.10		an i	ZZ.	¥ !	¥.	N :	¥ :	X.	Ž :
AA:DDT	0.10		Z :	z i	ž i	ž	ž i	ZZ :	X :	Z :
Dieldrin	0.10		ž.	ž	ž	X 2	ž	ZZ :	X. Z	ž
Endosultan I	500		ž	ž	ž	ž	ž	ž	X X	₹ •₹
Endosuman II	0.10		ž	ž	ž	Z Z	ž	a a	2 2	E 2
Endos unan Sunate	2 5		£ 52	ž	ž	ž	ž ž	¥ 2	E .X	. 2
Line	500		Z	ž	ž	ž	ž	N. N.	, W	N.
Henschlor Epoxide	50.0		N.	NR	NR.	Ä	ž	NR	NR.	Z
Methoxychlor	20		N.	N.	N.	N.	ZZ.	NR	NR	2
Toxaphene	2	•	~	NR	N.	Ä,	Ä	NN.	NR	Z
PCI)-1016	65		NR	N.	Ä	XX.	ž	N.	A.	Z
PCB-1221	95		X.	AN.	Z.	a a	z :	N.	X.	Z (
FCB-1232	20		ž	ž.	Z	z :	ž :	¥	æ :	z ;
PCB-1242	20		ZZ.	ž	ž	z	Z :	ZN :	Z.	z :
PCB-1248	20		z :	۳ :	ž	ž i	¥ :	N. N.	X Z	Z
PCB-1254	2		Z.	ZN :	ž :	ž	ž !	ž :	X :	X 1
PCI3-1260	2		۳ ۲	an an	X X	z Z	žž.	ž	ž	z
TOTAL PETROLEUM HYDROCARBONS (GPA 418.1)	nows (EPA	418.1)								
Data Padage						#35	132	#32	¥14;	
Units: mg/kg	8		Note 2	Note 2.	Note 2.	n	D	n	× 18	01 v
моізтике										
Data Package			135	135	#35	#32	#32	#32	*1*	#14
Units: Weight percent			8.6	27	611	8,6	7.8	7.9	5.8	63
METALS (Units mg/kg)										
Data Package						#32	132	#32	<b>21</b>	71.
Arsenic (SW 700)			N N	N.	NR	N.	NR	an N		
Harium (SW 6010)			Note 2	Note 2.	Note 2	62.1	<u>.</u>	25,4		
Cadmium (SW 7131)			Note 2.	Note 2.	Note 2.	Z 778	N 6.3 N	N 67		
Chromium (SW 7191)			Note 2	Note 2	Note 2.	28.4	22.8	24.5	N.4.N.	32.1 N
1 /CIII 7131)			Note 2	Note 2	Note 2.	717	2 4	3		

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<b>†</b>
Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Franchise Fran
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		Location/OC No:	MW12A-SS3	MW12A-SSS	MW13A-SS1	MWI3A-SS3	MW13A-SS4	MW37-SS1	MW37-SS2	MW37-SS2 DUP
	Method	Sample Depth, (ft):	5.15	15:20	0.2	8-10	14-15		.8.	35
	Detection	Sample Date:	8.5-88		8-5-88	8.5.88	8.5.88	8-15-88		8-15-88
Parameter and Anabasis Method	Ľ	Field Sample No.	DANGB-2-MW12-SS3	DANGB-2-MW12-SSS	DANGB-2-MW13-SS1	DANGB-2-MWI3-SS3	DANGII-2-MWI3-SS4	DANGB-2-MW37-SSI	DANGB-2-MW37-SS2	DANGB-2-MW37-SSS
		To the second	TOO TOO TO	Callona	7/010000	CONTONO	cocolors	0000000		/001000
PESTICIDES AND PCB's (SW 8080)	(8)									
Data Package								-		
Aldrin	SOLO		ZZ.	Z.	N	N.		X.	A.N.	N.
Alpha-BitC	50.0		N.	N.	NR	N.	NR	A.N.		%
Beta-BHC	0.05		ž.	ž	ž	Z.	NR	. X	,	N. N.
Delta-BHC	50.0		XX.	N.	NR.	N.	an An	NR		N. Y.
Camma-BHC	900		ž	NR	NR.	Ä	an N	NR		N.
Chlordane	0.5		AN	N.	ž	Ä	~ X	N. N.		A.N.
4,4.000	0.10		NR	RN	NR	NR	NR	NR		SZ.
4. DDE	0.10		XX.	NR	XX	ž	AN.	N.		N.
4,4'-DDT	0.10		AN	NN NN	NR	N.	NN.	NN		NR
Dieldrin	0.10		ž	N.	ž	NR	NR	NR		N.
Endosulfan I	0.05		N.	ZZ.	N	Ä	N.	N.		A.
Endosulfan II	0.10		ĩ	NR	~Z	N.	NR	N.		'NR
Endosulfan Sulfate	0.10		X.	ZZ.	ži.	N.	ä	NN.		A.
Endrin	0.10		Ä	NR	NR	XX.	Ä.	NR		A.
Heptachlor	50.0		N.	NA.	N.	ž	~iz	NN.		ÄÄ
	500	•	ž	ž	~XX	ž	ž	XX.	A.	Ä
, Methoxychlor	50		ZZ.	ž	ž	XX.	ž	Ä		az Z
	1.0		ZZ :	ž !	ž	ž !	¥ :	Z.		Z !
	0.5		ž i	ž i	ž :	ž :	ž :	XX.		¥. !
rcb:121	3 6		X X	ž	ž	ž	ž	X 02	¥ 2	X ax
PCD-1212	3 8			£ 2	ž	N. O.	div.	42.0		an)
PCB-1248	20		N N	ž	ž	Z Z	Ź	N. N.		ž
PCB-1254	91		Z.	N.	ž	X	ž,	N.		N.
PCB-1260	1.0		N N	NR	N.	NR.	NN	NR		XX
TOTAL PETROLEUM HYDROCARBONS (EPA 412.1)	ARBONS (EPA	410.1)								
Data Package			114	71.4	184	131	<b>4</b> 31	<b>#</b> 52	#52	<b>♦</b> 52
Units: mg/kg	81		<· 100	< 100	< 100	<100	<100	<100	<100	00T^>
MOISTURE				,						
Data Package			#14	717	431	(31	#31	1.52	#52	<b>₹</b> 25
Units: Weight percent			6'6	8.8	10.1	8.1	8.1	14	10.8	66
MCTATO (Thite may be)										
								;		•
Data Package			71.4	114	#31	£31	£31	#52	<b>*</b> 52	<b>*</b> 25
Arsenic (SW 70x0)			ž	ä	AN.	MR	ž	AR.		X ;
Barium (SW 6010)			1.87	282	S4.9	38.2	58.7	22		23.4
Cadmium (SW 7131)			120 N	9.2 N	N TE	N 1.01	NO.11	13.3 # N	12.2 ¢ N	N 8 11
Chromiam (SW /191)			N 1.07 Y	N077	X 2.15	MACK.	·	616		0.C3
(17th MC) 2827			Vicos.		NO COL			•		

Table L-7 Site 2 - Soil

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Table L.7 Site 2 - Soil Page 6E

	Location/OC No:	ESS-15WM	HW37-SSH	MW38-SS1	MW38-SS2	-MW38-SS3	MW39-SSI	MW39-SS2	ESS-6EMW.
Μ̈́c	Method Sample Depth, (A):	16.17	17.5.18	0.15	9.10.5	61-21	3	\$6	21-22
Detection		8-15-88	8-15-88	8-13-88	8-13-88			8-15-88	~
Parameter and Analysis Method	Limit Field Sample No.: Lab Sample No.:	DANGII-2-MW37-SS3 88081885	DANGB-2-MW37-SS4 89081886	DANGB-2-MW38-SS1 88081877	DANGB-2-MW38-SS2 88081878	DANGB-2-MW3R-SS3 88081879	DANGB-2-MW39-SS1 88081888	DANGB-2-MW39-SS2 88081889	DANGB-2-MW39-SS3 88081890
PESTICIDES AND PCB's (SW 8080)					*		,	-	,
Data Padrage									
Aldrin	0.05	N.	ž	N.	ž	Z.	N	N.	AN RN
Alpha-IIIIC	0.05	ž.	ž	Ä	ž	Ä	AN.	NR	NR
Beta-BHC	900	an RN	ĭ	¥X	ž	ĭ	ž	AN	N.
Delta-BHC	0.05	NR	ž	NR	ä	ž	ä	NR	N.
Gamma-BifC	0.05	ZZ.	ž	NR.	ä	ž	ZZ.	NR.	N.
Chlordane	50	ž.	ž :	E :	ž.	ž	X :	AN :	¥ !
4,4*.DDD	0.10	XX.	Y !	ž i	¥.	X :	¥ !	ž:	X :
4,4.DDE	0.10	¥ 2	X S	ž ž	ž	ž	æ å	X 2	ž ž
	0.0	2 2	S S	e e	¥ 2	¥ 3	2 2		2 2
	900	£ \$	ž	Ź	¥ 2	£ 3	£ 2	2 2	4 0
Conferential I	900	4 A	ž ž	ž	ž ž	X X	4 A	22.2	2 22 2 2
الزوره	010	Ž	an an	¥ 2	ä	¥ 2	az.	# R	£ 2
Cooperate Source	0.10	ž Z	ž	ž ž	Ž	i i	Z Z	N N	Z.Z
alor.	0.05	ž	ž	Ĩ.	Z.	ž	ž.	N. N.	, X
Epoxide	900	N.	N.	NR	ZZ.	ä	N.	NR	NR
Methoxychlor	50	ä	NR	NR	N.	N.	Z.	NR.	N.
Toxaphene	0.1	NR	, NR	NR	N.	NR	and and and and and and and and and and	NR	NR
PCB-1016	0.5	än	Ä	ž	AN.	ž	ž	NA RN	N.
PCI5-1221	0.5	N.	ž	ž	ZZ.	ä	Z.	A.	X.
PCB-1232	50	ZZ.	XX	N.	N.	¥X	2 .	N.	¥ :
PCI)-1242	0.5	ž	an i	X.	ž i	ž i	¥ !	¥ :	ž:
PCB-1248	0.5	ž	ž.	ž !	ž	ž :	X :	ž !	¥ !
PCII-1254	01	ž	Z.	ž	ž :	ž	X :	X.	X.
PCII-1260	<u>6</u>	an N	a a	<u>ਲ</u>	e E	ž	X X	W	
TOTAL PETROLEUM HYDROCARROSS (EPA 418.1)	SS (EPA 418.1)			•					
Data Package		152	152	¥15	#1S	#1S	4.52	<b>#</b> 55	452
Units: mg/kg	8	<100	. <100	<100	×100	×100	<100	<100	×100
MOISTURE									
Data Package		152	152	115	\$15	#15	152	# S2	<b>4</b> 52
Units: Weight percent		14.8	8.4	13.1	10.8	9.6	7.11	12.9	84
METALS (Units mg/kg)									
Data Package		£52	#55	<b>418</b>	\$15	\$15	# 52	#52	<b>♦</b> 52.
Arsenic (SW 700)	200	NR	NR	¥X	AN.	ž			
Barium (SW 6010)	Ŋ	32	38.4	69.2	50.1	40.2			
Cadmium (SW 7131)	22	N & SII	11.2 # N	3.22 # N	120 # N	N # 169	12.0	N * 1.01	9:11.6
Chromium (SW 7191)	ท	9162	27.8	33.1	265	20:9		23.9	•
[ced (SW7421)	0.2	2	70S	8.0 S	36	158		S.C.	
Mercury (SW 7471)	10	¥X	ž	XX.	ž.	XX.	XX.	XX	XX.

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		Location/OC No:	NIW40-SSI	755-0+M19	MW40-SS3	MW41-SS1	MW41-SSI DUP	MW41-SS2	MW41-SS2 DUP	MW41-505
	Method	Sample Depth, (ft):	6.1	7.8	155-165	9.5	0.5	5.15	5-15	15-20
	Detection	Sample Date:	8-16-89 DANGB2-MW/0-051	8-16-88 DANGE-2-MW40-552	8-16-88 DANGB 2 MUMO 853	8-17-8 DANGE-2 MARIE SE	8-17-88	8-17-8	8-17-88	
Parameter and Analysis Method		Lab Sample No.	8/818/8	83081899	88081900	86081938	8081940	20018088 88081939	MANOB-2-MI-41-552 89081942	BANGB-2-M W41-555
PESTICIDES AND PCB's (SW 8080)	(%						,			
Data Package										
Aldrin	SOLO		RN	Z.	NR	N.	~N	Z.	X.	X.
Alpha-BHC	9.05		Z.X	ž	N.	NR	~N	N.	N. N.	Z.
Beta-BHC	0.05		XX.	XX	ž	N.	NR.	N.	AN	N.
Delta-BHC	50.0		ĸ	Ä	N.	NR	ž	NR	A.Z.	
Gamma-BIIC	50.0		AN	NR	N.	NR	ž	an N	N.	
Chlordane	0.5		KZ :	ž	ž.	ĭ.	N.	N.	NR.	
44:DDD	0.10		ZX.	ž	~	ž	ž	a Z	XX.	
44.DDE	0.10		NA NA	~ XX	ä	AN.	ZZ.	X.	AZ.	
4.4.DDT	0.10		NR.	XX	an an	N.	ž	X.	AN.	
Dieldrin	0.10		ZZ.	ZZ.	Ä	az Z	ž	Z.	XX.	
Endosulfan J	\$0.0		NR	NR	N.	XX.	ž	AN.	A.R.	
Endosultan II	C.10		AN.	N.	NR.	an N	XX.	N.	X.	
Endosulfan Sulfate	0.10		ZZ.	ZZ.	ž	N.	N.	Z.	XX.	
Endrin	0.10		ž :	ž !	ž i	ž i	ž i	ž i	Z :	X :
	gg s		ž	ž	ž	ž	ž	ž	X :	
	gg Y		ž	ž	ž	ž	ž	ž	ž :	
O Methoxychior	3 5		ž	ž	ž	¥ 2	ž	ž .	ž	Z Z
	2 6		ž	ž	NIC.	ž	ž	ž	ž	
rcb-1016 PCn-1221	3 2		ž	ž	X X	ž Ž	ž	ž	X X	
PCB-1233	Š		2	i ž	i ž	2 2	ž	e z	e e	
PCB-1242	20		ž	ž	ž ž	XX.	ž 2	Z Z	¥ 2	
PCB-1248	0.5		Z.	ž	N.	ž	N.	N. N.	, X	
PCB-1254	91		Ä	Ä	NR	NR	NR	NR	NR.	
PCB-1260	91		NR	NR	ű.	NR	ä	an An	AN.	N.
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	ARBONS (EPA	418.1)								
Data Package			714	713	714	#41	141	441	#41	441
Units mg/kg	8		<100	<100	<100	<100	130	×100	<100	<100
MOISTURE					×					
Data Padonge			417		#17	141	141	#41	#41	179
Units: Weight percent			10.9	8.9	83	15.8	13.4	18	17.6	٥
METALS (Units mg/kg)										
Data Package			717	417	111	#41	141	#41	441	441
Arsenic (SW 700)			~N	¥Z.	N.	Z.	XX.	X.	N.	N.
Barium (SW 6010)			\$18	41.2	39.2	51.7	595	62.8	62.5	
Cadmium (SW 7131)			N 9 611	N # 96	N . 76	120 # N	12.6 J N	N # 8'6	N * 001	11.8
Chromium (SW 7191)			9.62	19.2	21.2	27.1	33.1	25.6	23.	33.1
Lead (SW7121)			3,8	7	42	8.6 N	84SN	S3 N	5.2 N	A.ISN
Mercury (SW 7471)			¥	YK.	XX.	YK.	ž	YZ.	NA	

Note 1. Samples were broken in a laboratory accident prior to SWR010 and SWR020 Analysis. SW8010 and SW8020 analyses were performed on resamples. Note 2. SW8270, SW6010, SW7131, SW7191, SW7121 AND EPA 418.1 analysis were requested on

chain of custody forms for these resamples but were canceled since these analyses had been done on the original samples before they were broken. See Note 1.

DUP Duplicate

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Limit.

N For metals the percentage recovery of the spiked sample was not within the control limits.

NR The analysis was not requested.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit. Data Package # Numbers refer to Data Packages in Appendix M.

* 1,2 Dichlorobenzene was present by 8010 analysis but was not quantifiable by 8020 due to fuel hydrocarbon interferences.

** Surrogate recovery high due to matrix interferences- Sample 88002218.

*** Chlorobenzene is present by 8010 analysis but is not quantifable by 8020 or confirmed due to fuel hydrocarbon interferences.

**** This compound is possibly present but it was not confirmed on the second column. The sample was non-homogeneous and was difficult to subsample accurately.

I The holding time was missed for this analysis. See Appendix N.

- The EPA has not yet reported on a method detection limit for this parameter.

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## TABLE L-8 SITE 2 MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR GROUND-WATER SAMPLES (Results in micrograms per liter unless otherwise noted.)

		Well/Conor	I MW	7 MW	****	CAM	C. T. C. M. N.		
	Detection	Date Sampled:	88-61-6			9.22-88	9.22.88	9.22-88	9-22-88
Parameter and Analysis Method	רישול	Lab Sample No.:	DANGIF2-MWI-GW-I 8602524	DANGII:2:MW2:GW-1 88012523	DANGIEZ-MW4-GW-I 8802275	DANGII-2-MW3-GW-I 88092614	DANGIE-FISTS 88092618	DANGB-2-MW6-GW-1 8802613	DANGIS-2-MW 1-5-W-1 88092612
INLOGENATED VOLATILE ORGANICS (SW 8010)	RGANICS (SW 8010								
Data Package			7.	7.7	ű/	#12	¥12	#12	#12
Benzyl Chloride	0.50		כ	מ	ם	מ	כ	מ	
Bis(2-chloroethory)methane	20		<b>&gt;</b>	ח	Ω	ח	ם	כ	
Dis(2-chloroisopropy)ether	SD		2	ם	ח	n	ם	מ	_
Вготобелгене	S,0		>	<b>D</b>	ກ	, D	ם	ס	-
Dromodichloromethane	0.10		<b>a</b>	D	<b>-</b>	D	ח	ח	
Вготобогт	0°		ח	D	Ω	ם	•	כ	_
Bromoethane	71		ח	ם	ח	ם	כ	2	
Carbon Tetrachloride	0.12		ח	ם	מ	ס	D	ם	
Chloracetaldehyde	200		5	5	2	כ	ם	n	D
	800		· >	מ	•		ם	ח	
_	570		<b>3</b>	ב	n	כ	ם	מ	D
	0.52		ב	n	ם	כ	מ	מ	•
Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colored and Colore	500		ם	D	ח	ם	ח	ב	
	S		2	n	כ	ס	ם	ח	7
2-Chloroethyl Vinyl Ether	0.13		מ	D	מ	ם	ם	כ	כ
Chloromethane	8000		n	D	n	ב	n	ם	-
Chloromethyl Methyl Ether	os S		ם	D	כ	2	a	n	_
Chlorotofuene	050		ב	ם	n	n	n .	מ	_
Dibromochloromethane	600		ב	ם	מ	Þ	ם	מ	_
Dibromoetlane	, 850		ם	D	ם	5	Ð	2	_
1,2-Dichlorobenzene	0.15		ם	D	n	D	D	2	_
13.Dichlorobenzene	032		כ	מ	n	ם	n	ם	_
1.4.Dichlorobenzene	170		ם	D	ח	ם	ם	ם	ם
Dichlorodifluoronxthane	1.8		<b>&gt;</b>	D	Ω	D	ם	ם	_
1,1-Dichloroethane	70.0		ם	ב	מ	ກ	a	n	<b>&gt;</b>
1,2.Dichloroethane	0.03		ם	ם	Ω	ם	ם	<b>-</b>	<b>⊃</b> .
1,1-Dichloroethene	0.13		<b>a</b>	7	מ	D	·	O :	<b>:</b>
Trans-1.2-Dichloroethene	0.10		EYO	1200	ח	ח	ח	כ	D .
·Dichloromethane	220		ב	0,42 B	5	0.53 B	1.7 B	<b>&gt;</b>	<b>&gt;</b>
1,2.Dichloropropane	100		n	Ð	מ	ב	ם	Ω	<b>D</b>
1.3.Dichloropropylene	934		a	Þ	<b>D</b>	ם	ם	D	<b>D</b>
1,1,2,2.Tetrachloroethane	0.03		ם	D	n	ם	ם	ח	<b>&gt;</b>
1,1,1,2-Tetrachloroethane	050		D	ח	ח	ם	מ	2	•
Tetrachloroethene	60.0		ם	n	Ω	ם	D	מ	
1,1,1-Trichloroethane	0.03		5	מ	<b>&gt;</b>	Ω	n	מ	
1,1,2-Trichloroethane	0.02		כ	Ω	ח	Ω	ם	<b>n</b>	
Trichioroethene	0.12		ס	0.32	Ω	ח	ם	ם	
Trichlorofluoromethane	050		n	ם	2	מ	n	ם	
Trichloropropane	જ		<b>5</b>	כ	כ	5	ם	Ð	

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Table L-8 Site 2 - Ground Water Page 1B

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1 Comment

	Method	•	GW 2-A DUP	CW CA FB	GW Z:B	၃ ရ 8 ရ		27.40
	Delection	V-21-88 V-21-88 Field Sample No.: DANGB-2-GW2A-GW-1 DANGB-2-MW56-GW-1	9-21-88 DANGB-2-MWS6-GW-1	DANGB-1913 DANGB-2-ĆW2B-GW-1 DANGB-2-GW2C-GW-1	2-GW2B-GW-1 DANGB-	2-GW2C-GW-1	DANGB-FB14 DANGB-2-GW2D-GW-1	2.GW2D-GW-1
Parameter and Analysis Method		Lab Sample No.: 88092573	88092574	88092580	88092616	88092576	88092581	88092577
IALOGENATED VOLATILE ORGANICS (SW 8010)	GANICS (SW 8010	6		*				
Data Padage		11.	11.	*11	<b>≠</b> 12	Ę	#11	110
Benzyl Chloride	050	n	Þ	n	ם	n	ם	כ
Dis(2-chloroethoxy)methane	20	n	n	ח	ח	ם	ם	ב
Bis(2-chloroisopropyl)ether	2,0	D	D	n	n	ם	ם	2
Bromobenzene	050	מ	D	Ď	n	ם	ם	2
Bromodichloromethane	c.10	ב	כ	D	n	ח	Ð	,
Вготогост	070	מ	Ð	ב	ם	ח	n	,
Bromoethane	7	ב	כ	כ	þ,	n	D	ر
Carbon Tetrachloride	0.12	מ	Ð	ב	ם ב	ם	n	_
Chloracetakdehyde	200	a	D	Ð	ח	D	D	
Chloral	200	ם	ם	o	n	ב	D	ر
Chlorobenzene	570	a	Ð	D	n	כ	Þ	,
Chlorocthane	0.52	מ	כ	כ	ח	ח	Ð	_
Chloroform	0.05	ם	ם	23*13	ח	<b>&gt;</b>	15 B	_
I-Chlorohexane	0,50	n	ח	ב	n	ם	Þ	_
2-Chloroethyl Vinyl Ether	0.13	ב	D	ū	ວ	<b>¬</b>	ם	_
Chloromethane	80'0	מ	מ	ם	D	ח	D	_
Chloromethyl Methyl Ether	2,0	D	n	ם	ם	Þ	Þ	_
Chlorotoluene	050	מ	מ	ח	Þ	n	ח	ر
Dibromochloromethane	60'0	Ω	ח	ם	כ	ב	Þ	
Dibromoethane	0,50	ם	D.	Þ	n	ח	Þ	
1,2-Dichlorobenzene	0.15	n	n	n	ם	ח	<b>ɔ</b>	
1.3-Dichlorobenzene	032	ח	ח	ם	D:	<b>n</b> :	<b>&gt;</b> :	
1,4-Dichlorobenzene	170	ח	ים: ים	<b>o</b> :	<b>)</b>	o :	<b>&gt;</b> :	
Dichloodiffuoromethane	1.8	D ·	<b>:</b>	<b>:</b>	<b>&gt;</b> :	<b>:</b> c	<b>&gt;</b> ;	
1,1-Dichloroethane	0.07	D	: כ	ים: מ	<b>D</b> :	<b>&gt;</b> :	<b>&gt;</b> :	
1,2.Dichloroethane	0.03	ם	<b>-</b>	: מ	<b>&gt;</b> ;	<b>-</b> ;	<b>&gt;</b> :	
1,1.Dichloroethylene	0.13	O :	י בי	<b>-</b> :	<b>-</b> :	<b>&gt;</b> :	<b>&gt;</b> :	
Trans-1,2-Dichioroethene	0.10	D .	<b>o</b> :	0	<b>ɔ</b> ;	<b>&gt;</b> ;		
Dichloromethane	0.25	ח	ם	0.40	D :	<b>&gt;</b> :	9 2000	. د
I.2-Dichloropropane	900	D	ם	ב	D .	<b>D</b> :	•	
1,3.Dichloropropylene	0.34 0.34	ב	ם	ם	D	: כ	<b>&gt;</b> :	
1,1,2,2-Tetrachloroethane	600	Ω	ח	כ	Ω	<b>&gt;</b> 1	<b>&gt;</b> ;	. د
1,1,1,2-Tetrachloroethane	0.50	n	ח	מ	n	5	<b>D</b> :	, ر
Tetrachloroethylene	0.03	Ω	n	0.43*B	ח	ם	<b>&gt;</b> :	. ر
1,1,1-Trichloroethane	0,03	Ω	n	ກ	n	<b>⊃</b>	D	,
1,1,2-Trichloroethane	0,02	מ	ח	ח	n	<b>-</b>	<b>&gt;</b> **	
Trichloroethylene	0.12	Ω	ח	n	Þ	<b>&gt;</b>	Þ	<b>&gt;</b> †
Trichlorofluoromethane	0.50	ח	ם	ח	ב	ב	ח	<b>&gt;</b> :
Trichloropropane	0.50		2	ם	Þ	0	<b>5</b>	>
		•	,		r			

Table L-8 Site 2 - Ground Water Page 1C

	Method	Well/QC No.:	GW 2-E	MW37	8CWM	NIW39	· MW40	MW40 DUP	MW41
	Detection	Date Sampled: Field Sample No.: DANG	9-20-88 GB-2-GW2G-GW-1 D	9-20-88 ANGB-2-MW37-GW-1 DA!	Date Sampled: 9:20-88 9:20-88 9:20-88 9:20-88 9:20-88 9:20-89 9:20-89 9:20-88 9:20-88 9:20-88 9:20-88 9:20-88	9-21-99 1-2-MW39-GW-1	9.20.88 DANGII.2.MW40.GW-1	9.20-88 DANGB-2-MWSS-GW-1 I	9.20.88 OANGB-2-MW41-GW-1
Parameter and Analysis Method		Lab Sample No.:	88092519	88092547	88092615	88092,578	88072550	88092551	88092548
IALOGENATED VOLATILE ORGANICS (SW 8010)	RGANICS (SW 8010	•				`•			
Data Package			<b>₹</b> 10	<b>₹1</b> 0	<b>₹</b> 12	117	01 /	#10	₩ 10
Benzyl Chloride	050		ם	ח	ם	ח	n	כ	_
Bis(2-chloroethoxy)methane	5.0		ם	D	ם	ב	ລ	מ	_
Bis(2-chloroisopropyl)cther	20	,	Þ	D	ם	ב	ם	D	_
Bromobenzene	870		ב	n	כ	מ	n	<b>¬</b>	_
Bromodichloromethane	0.10		מ	Þ	n	כ	ם	ח	_
Вготобогт	0.20		מ	Đ	n	ם	ח	ח	_
Bromoethane	77		ב	D	כ	ם	Ω	a	_
Carbon Tetrachloride	0.12		ם	Þ	n	כ	ח	ם	_
Chloracetaldehyde	20.0		ລ	n	ລ	ם	Ω	n	_
Chloral	200		ם	D	Ω	ב	n	ח	_
Chlorobenzene	570		ם	ם	כ	ב	2	n	-
Chloroethane	0.52		ם	D	ח	Ω	n	n	<b>a</b>
Chloroform	900		n	0.32 B	0.86 B	ח	D	Þ	0.15 B
1-Chlorohexane	050		ח	ສ	מ	a	Ω	2	_
2-Chloroethyl Vinyl Ether	0.13		ם	Ð	n	ס	D	<b>¬</b>	
Chloromethane	80'0		n	ם	Ď	ם	n	5	_
Chloromethyl Methyl Ether	2.0		ם	a	n	ם	n	Ė	
Chlorotoluene	0.50		Þ	n	Þ	ם	ם	Ω :	
Dibromochloromethane	60'0		ח	מ	Þ	<b>5</b>	9	<b>&gt;</b>	,
Dibromoethane	050		ם	Þ	n	ב ס	<b>.</b>	<b>)</b>	
1,2.Dichlorobenzene	0.15		ב	ח	n	כ	D :	<b>&gt;</b> :	
1,3-Dichlorobenzene	0.32		D	ם	ח	<b>-</b>	D :	<b>:</b>	- •
1,4.Díchlorobenzene	0.24		n	<b>.</b>	n	: ב	<b>5</b> :	<b>&gt;</b> :	- •
Dichlorodifluoromethane	1.8		ב	<b>ɔ</b> ·	ח	Ð	<b>&gt;</b> :	<b>)</b>	•
1,1-Dichloroethane	0.07		ם	ח	<b>ာ</b> ့	<b>D</b> :	<b>&gt;</b> :	o:	
1,2.Dichloroethane	0.03		ם	Þ	0.22	<b>-</b>	<b>)</b>	<b>&gt;</b> :	•
1,1-Dichloroethene	0.13		190	: כ	n ;	<b>:</b>	<b>:</b>	0 5	-
Trans-1,2-Dichloroethene	0.10		330		55	: ם		_	•
Dichloromethane	0.25		0.80 B	D ·	0.96 18	n :	1 S.	<b>&gt;</b> :	•
1.2-Dichloropropane	0.04		Þ	Þ	<b>D</b> :	<b>,</b>	<b>&gt;</b> :		-
1,3-Dichloropropylene	7.0		Ð	D i	<b>&gt;</b> ;	<b>o</b> :	<b>&gt;</b> :		
I,I.2,2-Tetrachloroethane	0.03		2	ם	ם	<b>D</b> :	<b>&gt;</b> :		-
1,1,1,2 Tetrachloroeihane	0.50		ח	n	Þ	<b>&gt;</b> '	<b>D</b> :		
Tetrachloroethene	0.03		ב	n	ם	ר י	O :	<b>&gt;</b> :	•
1,1,1-Trichloroethane	0.03		Ω	<b>.</b>	<b>&gt;</b> '	<b>D</b> :	<b>&gt;</b> :	<b>)</b>	
1,1,2-Trichloroethane	0.02		ב	D I	<b>ɔ</b> :	<b>:</b>	<b>&gt;</b> :	ָב. ב	
Trichloroethene	0.12		æ	ə	91	: כ	<b>:</b>	<b>&gt;</b> :	
Trichlorofluoromethane	0.50		Þ	D ·	<b>D</b> ;	<b>o</b> :	<b>)</b>		
Trichloropropane	0.50		n	ם :	<b>5</b> .;	<b>)</b>	<b>5</b> :	<b>-</b>	
Vinyl Chloride	0.18		ב	n	ח	כ	<b>D</b>	Þ	

Table L-8 Site 2 - Ground Water Page 1D

					-	
		Neta Country	13101	2 2	191	797
	Limit	Field Sample No.	DANGB-BR9	DANGH-BRIO	DANGB:TRIO	DANGB-TB11
Parameter and Analysis Method		Lab Sample No.	88072546	89092579	840925&2	88092619
HALOGENATED VOLATILE ORGANICS (SW 1801)	GANICS (SW 80	(01				
Data Package			<b>7</b> 10	11,	= -	<b>#</b> 12
Benzyl Chloride	050		ם	ח	ם	D
Bis(2-chloroethoxy)methane	20		ם	Ð	כ	ם
Bis(2-chloroisopropyl)ether	So		Þ	ם	ח	ם
Bromobenzene	850		כ	>	ח	כ
Bromodichloromethane	0.10		>	Ð	Þ	ר
Вготобогт	8		ח	מ	8.1	4
Bromocthane	77		ח	ם	כ	ם
Carbon Tetrachloride	0.12		ם	>	ם	n
Chloracetaldehyde	800		ם	ם	n	ב
Chloral	800		n	n	n	ם
Chlorobenzene	20		מ	n	כ	כ
Chloroethane	0.52		כ	Þ	5	ב
Chloroform	\$00		123	92B	ກ	ם
1-Chlorobexane	050		n	כ	>	ב
2-Chloroethyl Vinyl Ether	0.13		ב	Ð	מ	ם
Chloromethane	80'0		<b>¬</b>	כ	ם	Þ
Chloromethyl Methyl Ether	2.0		Þ	ח	ם	ם
Chlorotolucne	050		ם	Þ	ח	<b>¬</b>
Dêromochloromethane	6000		ב	Þ	<b>E</b>	2
Dibromoethane	S,		ם	ם	ກ	<b>-</b>
1.2-Dichlorobenzene	0.15		Ð	D	ם	ם
1.3-Dichlorobenzene	032		כ	Þ	ສ	<b>&gt;</b>
1,4-Dichlorobenzene	0.24		Þ	ם	D	ר
Dichlorodifluoromethane	<b>8</b> 1		Þ	Þ	ח	כ
1,1-Dichloroethane	0.07		ם	כ	=	ם
1.2.Dichloroethane	0.03		Þ	n	Þ	כ
1.1-Dichloroethene	0.13		Þ	Þ	Þ	כ
Trans-1,2-Dichloroethene	0.10		ם	ב	ח	ກ
Dichloromethane	0.25		034 13	D	1313	8 19'0
1,2.Dichloropropane	<b>700</b>		ם	Þ	ສ	ם
13-Dichloropropylene	0.34		ລ	כ	כ	ם
1,122-Tetrachlorocthane	0.03		ס		Đ	ם
1,1,1,2-Tetrachiorocthane	જ		ם	כ	ח	ם
Tetrachloroethene	0.03		D	Þ	Þ	ם
1,1,1-Trichlorocthane	600		D	>	ח	ח
1,1,2-Trichloroethane	0.02		ר	•	כ	כ
Trichloroethene	0.12		ח	>	כ	ם
Trichlorofluoromethane	050		ם	n	ם	ם
Thicklossesses	5		:	-	=	:
	3		>	>	>	>

Parameter and Analyzis Method	Method Detection Limit d	Well/OC No.: Date Sampled: Field Sample No.: Lab Sample No.:	Weil/OC No.: MW 1 Date Sampled: 9-19-88 Field Sample No.: DANGB-2-MWI-GW-1 Lab Sample No.: R899233	MW 2 9-19-88 DANGII-2-MW2-GW-1 8902523	MW 2 MW 4 MW 5 9-19-83 9-21-88 9-22-88 DANGIL-2-MW2-GW-1 DANGIL-2-MW3-GW-1 8807253 88072575 8807261	MW 5 9-22-88 DANGB-2-MW5-GW-1 88022614	MW 5 I-TB 9-22-88 DANGB-FB15 88972618	MW 5 178 MW 6 9-22-88 9-22-88 9-22-88 DANGB-2-MW-GGW-1 DANGB-2-MW-GGW-1 DANGB-2-MW-GGW-1 DANGB-2-MW-GW-1 SROW-13 88073618	MW 7 9-22-88 DANGB:2:MW7-GW-1
AROMATIC VOLATILE ORGANICS (SW 8020)	ANICS (SW 8020)								
Data Package			27	77	117	/12	£15	C1.#	-
Denzene	07				=	:	! :		•
Chlombenzene	ξ.		:	;	•	5	5	ב	
	1 ;			<b>5</b>	מ	ח	n	ם	
1.4. Ukmiorooenzene	3		ב	ב	כ	ם	ם	2	
1.3-Dichlorobenzene	3		<b>5</b>	ה	ב	ב	=		
1.4-Dichlorobenzene	03		מ	ב		. =	=	•	
Ethyl Benzene	07		כ			) =	· :	<b>:</b>	
Tolucne	07		=	=		:	<b>)</b>	<b>&gt;</b> ;	
Total Nylenes	70		=		: 0	<b>:</b>	•	<b>-</b>	
	i		•	•	_	5	5		

Table L.8 Site 2 - Ground Water									
Page 2B									
	Method	Well/OC No.	GW 2.A	GW 2.A DUP	GW 2.A FB	GW 2:B	GW 2-C	GW 2.C FB	GW 2-D
Parameter and Analysis Method		Field Sample No. Field Sample No. DANGB-2-GW2A-GW1 DANGB-2-MV56-GW1 Lab Sample No. 8890273	2-GW2A-GW-1 84092573	7-21-00 DANGB-2-MW56-GW-1 8802574	PANCB-FB13 DANGI 8807280	97-21-88  DANGB-FBI3 DANGB-2-GW2B-GW-1 DANGB-2-GW2C-GW-1 88002580 88002616 88002580	9-21-88 B-2-GW2C-GW-1 88092576	9-21-88 DANGB-FB14 DANGB-2-GW2D-GW-1 88092531	9-21-88 8-2-GW2D-GW-1 88092577
AROMATIC VOLATILE ORGANICS (SW 802)	GANICS (SW 8020)							a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del companya de la companya de la companya del companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya del la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la c	
Data Package			111	111/	111	#12	111/	*11	411
Benzene	07		כ	ב	ם	D	ם	D	D
Chlorobenzene	07		ם	ם	n	D	ם	ח	<b>&gt;</b>
1.2-Dichlorobenzene	97		ב	ח	n	ח	ם	ກ	ם
1,3-Dichlorobenzene	*0		ח	ם	D	ב	ם	n	כ
1.4-Dichlorobenzene	63		ח	5	ם	ב	Ð	כ	ח
Ethyl Benzene	07		<b>-</b>	ם	ם	n ,	Þ	ח	מ
Toluene	07		<b>¬</b>	מ	ם	D	ם	ם	ם
Total Widows	č		=	•	•	:		•	:

Parameter and Anahyis Method	Method. Detection Limit	Well/OC No.         GW 2E         MW37         MW38         MW39         MW40         MW40 DUP         MW41           Date Sampled:         9-20-88         9-20-88         9-21-99         9-20-88         9-20-88         9-20-88           Field Sampled:         9-20-89         9-20-88         9-20-88         9-20-88         9-20-88           Field Sampled:         9-20-89         9-20-88         9-20-88         9-20-88         9-20-88           Field Sampled:         9-20-89         9-20-88         9-20-88         9-20-88         9-20-88           Field Sampled:         9-20-88         9-20-88         9-20-88         9-20-88         9-20-88           Field Sampled:	GW 2.E 9-20-88 1B-2-GW2E-GW-1	9-20-88 DANGB-2-MW37-GW-1	MW38 9-22-88 1 DANGB-2-MW38-GW-1	8 9-21-99 1 DANGB-2-MW39-GW-1	39 39 -1 DANGB-2-MV	MW40 9-20-88 V40-GW-1 DANG	MW40 DUP 9-20-88 ib-2-MW55-GW-1 DAN	MW41 9-20-88 GB-2-MW41-GW-1
			CHC2400	840)/247	88092615	88092578	84	88092550	88092551	88092548
AROMATIC VOLATILE ORGANICS (SW 8020)	14NICS (SW 8020)									
Data Package			<b>₹</b> 10	10	213	•	·	:	;	
Bentene							=	21.4	¥10	9
	70		1.2	)	2	_	<b>-</b>	-	11	:
Chiorobenzene	2		ב	-			, -	:	<b>)</b>	>
1,2-Dichlorobenzene	70			;	; -	_	<b>-</b>	>	ם	<b>&gt;</b>
13-Dichlorobenzene	č		<b>:</b> c	<b>.</b>	_	_	<b>&gt;</b>	כ	ם	D
14.Dicklombenson	\$ 6		<b>&gt;</b>	<b>ə</b>	<i>ت</i> 	_	Þ	ם	ם	n
Total Banana	3 :		>	<b>5</b>	<b>a</b>	_	2	n	=	-=
Edity Dentene	0.2		כ	<b>&gt;</b>	<b>3</b>	_	-	=	. =	
Toluene	0.2		n	1	=	•	, -	· :	<b>)</b> ;	•
Total Xvenes	70		. =	· :	;	-	5	>	ב	<b>-</b>
	•		>	<b>-</b>	3	_	,	Ź	ב	=

Table L-8 Site 2 - Ground Water Fage 2D

	Method	Well/OC No.	BR1	BR2	TELL.	TB2
	Detection	Date Sampled:	9.20-88	9-21-88	9.21.88	9-22-88
	Limit	Field Sample No.:	DANGB-BR9	DANGB-BR10	DANGB:TB10	DANGB-TB11
Parsincter and Analysis Method	8	Lab Sample No.:	88092546	88092579	88072582	88092619
AROMATIC VOLATILE ORGANICS (SW 8020)	GANICS (SW 8020)					
Data Package			01.	T,	111	112
Benzene	07		Þ	ב	ם	כ
Chlorobenzene	07		n	n	ם	ם
2-Dichlorobenzene	2		n	Þ	מ	Þ
3-Dichlorobenzene	70		n	ם	5	D
4-Dichlorobenzene	60		ם	ם	ם	n
Ethyl Benzene	0.2		ם	ח	ב	ם
Coluene	07		ח	ם	ח	0
Fotal Xylenes	97		ם	n	>	n

Table L-8 Site 2 - Ground Water Page 3A

Parameter and Analysis Method SEMI-VOLATILE ORGANICS (EPA 625) Data Package		Date Sampled: 9-19-88	DANGE 23 (UP. CUC.)	DANCE OWNER	DANGE STORY			
SEMI-VOLATILE ORGANICS (EF Data Package				88072575		88092618	8802613 8802613	88092612 88092612
Data Package	(529 V							
		12	123	111/	#12	<b>#</b> 12	#12	<b>*</b> 12
I.3-Uichlorobenzene	01	n	D	5	5	ž	5	ö
1,4.Dichlorobenzene	01	n	ם	5	5	ä	5	.5
Hexachloroethane	10	ח	ם	5	ລ	₩ N	5	5
Bir(2-chloroethyl)ether	01	מ	מ	5	ñ	ž	5	5
1,2.Dichlorobenzene	2	מ	ם	5	5	ž	5	ñ
N-Nitrosodimethylamine	00	כ	D	5	in	N.	5	ñ
Bis(2-chloroisopropy1)ether	0.	מ	ם	5	ົວ	ž	ລ	ລ
N-Nitrosodi-n-propylamine	01	מ	ם	5	ັລ	X.	5	ວັ
Hexachlorobutadiene	2		ח	ă	5	XX	ö	5
1,2,4-Trichlorobenzene	2	מ	ם	ň	ñ	N.	ä	ສ
Nitrobenzene	20	ם	ם	ä	ລັ	ž	5	5
Isouhorone	0	מ	מ	5	ñ	ž	5	5
Naphthalene	<u> </u>	ם י	ם י	5	5	ž	ີ້ອີ	5 5
Bis(2-chloroethoxy)methane	2	כ	ס	5	5	ž	5	5
2-Chloronaphthalene	9	כ	ם	ă	5	ž	5	5
Hexachlorocyclopentadiene	2	ח	ם	5	ñ	ž	` <b>5</b>	5
Acenaphthylene	91	3	ם	5	'n	¥N.	ā	5
Acenaphthene	2	n	ב	5	5	X	5	5
Dimethyl Phthalate	ot	D	ב	5	ö	N.	8	5
2,6-Dinitrotoluene	2	n	<b>D</b>	5	ñ	N.	ö	5
Fluorene	2	Ω	Đ	5	ñ	Ä	ລັ	ñ
2,4-Dinitrotolvene	01	D	ם	5	i	ÄN	ລັ	ñ
Diethyl Phthalate	2	ס	כ	5	۶	¥Z	5	ສ
N-Nitrosodiphenylamine	으	n n	ח	5	ລັ	¥Z	5	ລັ
Hexachlorobenzene	01	D	ם	ö	'n	N.	Ď	ລັ
Phenanthrene	2	D	, ,	5	ภ	Ä	ົລ	ລັ
Anthractic	ន	D	<b>.</b>	5	ij	ž	5	5
Diburyl Phthalate	2	ם	Ð	5	5	Ä	5	5
Fluoranthene	2	D	ח	5	5	Ä	5	5
4-Chlorophenyl Phenyl Ether	2	<b>D</b>	n	S :	ö	N.	5	5
Pyrene	2	Þ	Ð	<b>5</b>	5	¥ ·	<b>5</b> ;	5
Buryl Benzyl Phibalate	2	<b>&gt;</b>	•	5	5	ž	5	<b>5</b> :
Bis(2-ethylhexyd)phthalate	2	1513	2	ö	1413	NA NA	ö	5
Chrysene	9	מ	<b>D</b>	5	ភ	Z.	5	5
4-Bromopbenyl Phenyl Ether	2	Ω	מ	5	ñ	XX	ö	ລັ
Benzo(s) anthracene	2	n	ם	i	ö	X.	5	5
Di-n-octylphthalate	2	ם	<b>-</b>	5	5	ž	5	<b>5</b>
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3,3. Dichlorobenzidine	ଛ	n	ם	5	ລັ	¥	ă	5
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1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0	SEMI-VOLATILE ORGANICS (EPA 625)	•	•			* *				
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District (2-chlorrecthoxy)methane         10         UI         UI           Accomplitation         10         UI         UI         UI           Accomplitation         10         UI         UI         UI           Dimeration coyclopratation         10         UI         UI         UI           Dimeration of the phalate         10         UI         UI         UI           Disconting Phalate         10         UI         UI         UI           Floorence         10         UI         UI         UI           Disconting Phalate         10         UI         UI         UI           Disconting Phalate         10         UI         UI         UI           Disconting Phalate         10         UI         UI         UI           A Nitraconting Phalate         10         UI         UI         UI           Disconting Phalate         10         UI         UI         UI           Anthracene         10         UI         UI         UI           Anthracene         10         UI         UI         UI           Pyrate         10         UI         UI         UI           Choysene         10<			5	ອ	ñ	ï	5			ö
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Table L.8 Sie 2- Ground Water Page 3D

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March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   Marc		Method Detection Limit	Well/OC No.: Date Sampled: Field Sample No.:	BR1 9-20-88 DANGII-BR9	BR2 9-21-88 DANGB-BR10	TIII 9.21.88 DANGB-TRIO	9.22.88 DANGIB-TIH
Optimize (EPA exis)         710         711           Optimize (EPA exis)         710         711           Optimizer         10         11         NR           Optimizer <t< th=""><th>Parameter and Analysis Method</th><th></th><th>Lab Sample No.</th><th>88072546</th><th>88092579</th><th>88092582</th><th>88002619</th></t<>	Parameter and Analysis Method		Lab Sample No.	88072546	88092579	88092582	88002619
speciment         710         711           obsertance         10         11         11           obsertance         10         11         11         11           obsertance         10         11         11         11         11           outsplichter         10         11         11         11         11         11           bie peoplanic         10         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11         11	EMI-VOLATILE ORGANICS	(EPA 625)					
10   10   10   10   10   10   10   10	Data Package			<b>₹</b> 10	111		
10   10   10   10   10   10   10   10	1.3-Dichlorobenzene	01		5	ñ	N.	N.
collaboration         10         0.0         NR           colorabilityster         10         0.0         NR           colorabilityster         10         0.0         NR           sing-projection         10         0.0         0.0         NR           sing-projection         10         0.0         0.0         NR         NR           colorabilities         10         0.0         0.0         0.0         NR         NR           colorabilities         10         0.0         0.0         0.0         0.0         NR         NR           colorabilities         10         0.0         0.0         0.0         0.0         NR	A.Dichlorobenzene	01		5	5	ž	ž
Colorate         10         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1	fexachloroethane	01		5	5	NR.	ä
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10   10   10   10   10   10   10   10	2-Dichlorobenzene	0		ñ	5	NR	NR.
10   10   10   10   10   10   10   10	1-Nitrosodimethylamine	01		5	ñ	ž	ž
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December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December	1-Nitrosodi-n-propylamine	01		5	ñ	NR	N.
10   10   10   10   10   10   10   10	lexachlorobutadiene	01		5	ສ	NR	N.
10   10   10   10   10   10   10   10	2,4-Trichlorobenzene	01		5	5	NR	N.
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to contropy)methane 10 10 10 10 10 10 10 10 10 10 10 10 10	pphorone	01		ñ	5	N.	ž
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Optionation of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control o	Chlomoschihalene	2 5		5 =	5 =	2	. 2
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10   01   01   01   01   01   01   01	cenaphthyene	2 :		5 :	5 :	ž	Ž
10   11   11   11   11   11   11   11	cenaphthene	2		5	5 ;	Z :	Ž.
10   01   01   01   01   01   01   01	Simethyl Phihalate	o :		5	5 :	ž i	Ž٠
10   10   10   10   10   10   10   10	,6-Dinitrotoluene	Q.		5	5	ž	Ż
toloutene         10         UI	Juorene	ន		5	ñ	an an	ž
thalate         10         UI         NR           pipersylinine         10         UI         NR           pipersylinine         10         UI         NR           ne         10         UI         NR           ch         10         UI         NR           thalate         10         UI         NR           tenyl Phenyl Eher         10         UI         NR           senyl Phenyl Eher         10         UI         NR           yf Phhalate         10         UI         NR           yf Phhalate         10         UI         NR           senyl Phenyl Eher         10         UI         UI	4-Dinitrotoluene	02		ວັ	5	NR.	ž
lipóénytárine         10         UI         NR           Obsenzone         10         UI         NR           Desenzone         10         UI         NR           ene         10         UI         NR           chalace         10         UI         UI         NR           script Phenyl Ehery         10         UI         UI         NR           script Phenyl Ehery         10         UI         UI         NR           script Phenyl Eheryl Ehery         10         UI         UI         NR           script Phenyl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Eheryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehryl Ehry	Nethyl Phihalate	2		5	5	ž	Ž
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ene         10         UI         NR           ce         10         UI         NR           thalate         10         UI         NR           ric         10         UI         NR           ric         10         UI         NR           ric         10         UI         UI         NR           ric         10         UI         UI         NR           richyl phthalate         10         UI         UI	lexachlorobenzene	2		5	ö	ž	ž
thalate 10 UI UI NR NR or or or or or or or or or or or or or	Phenanthrene	10		5	5	NR	NR
thalate         10         UI         NR           noc         10         UI         NR           noc         UI         UI         NR           yl Puthalate         10         UI         NR           yl Puthalate         10         UI         NR           yl Puthalate         10         UI         NR           heayl)phthalate         10         UI         NR           heayl)phthalate         10         UI         NR           heayl)phthalate         10         UI         NR           huthalate         10         UI         NR           hyanthace         10         UI         NR           hyanthace         10         UI         NR           hyanthace         10         UI         NR           hyanthace         10         UI         NR	Sothracene	0		ñ	5	X.	N.
ince         10         UI         NR           heapf Phenyl Ether         10         UI         NR           yf Phthalate         10         UI         NR           yf Phthalate         10         UI         NR           heapf Phenyl Ether         10         UI         NR           heapf Phenyl Ether         10         UI         NR           heapf Phenyl Ether         10         UI         NR           huthalate         10         UI         NR           huthalate         10         UI         NR           huthalate         10         UI         NR           huthalate         10         UI         NR           coberation         10         UI         NR           year         10         UI         NR           year </td <td>Debuyl Phthalate</td> <td>2</td> <td></td> <td>ñ</td> <td>5</td> <td>N.</td> <td>N.</td>	Debuyl Phthalate	2		ñ	5	N.	N.
brondy Phenyl Ether         10         UI         NR           yf Phthalate         10         UI         NR           heryl phthalate         10         UI         NR           heryl phthalate         10         UI         NR           heryl phthalate         10         UI         NR           hithalate         10         UI         NR           hithalate         10         UI         NR           horanthene         10         UI         NR           cobenzidine         10         UI         NR           cobenzidine         20         UI         NR           yrene         10         UI         NR           NR	Juoranthene	92		5	5	NR.	¥K
10 10 10 10 10 10 10 10 10 10	Chlorophemy Phenyl Ether	01		5	ö	N.	N.
texyl)phthalate         10         UI         NR           texyl)phthalate         10         UI         NR           texyl)phthalate         10         UI         NR           texyl Pbenyl Ether         10         UI         NR           nthracene         10         UI         NR           nthracene         10         UI         NR           noranthene         10         UI         NR           cobenzidine         20         UI         NR           cobenzidine         20         UI         NR           3-collpyrene         10         UI         NR           3-collpyrene         10         UI         NR           10         UI         UI         NR           3-collpyrene         10         UI         NR           10         UI         UI         NR           10         <	yrene	2		'n	5	NR	NR
bezyljphthalate         10         UI         NR           bezyljphthalate         10         UI         NR           bezyljphthalate         10         UI         NR           nthalate         10         UI         UI         NR           nthalate         10         UI         UI         NR           noranthene         10         UI         UI         NR           robenzidine         20         UI         UI         NR           robenzidine         10         UI         UI         NR           robenzidine         1	Suryl Benzyl Phthalate	0		ñ	ö	ž	×
cept Pheny Ether         10         UI         UI         NR           nthracene         10         ''         UI         NR           nthralia         10         ''         UI         NR           noranthene         10         UI         UI         NR           coberzidie         20         UI         UI         NR           robenzidie         20         UI         UI         NR           spree         10         UI         UI         NR           spree         10         UI         UI         NR           splanthacene         10         UI         NR           splanthacene         10         UI         NR           spread         10         UI         NR	is(2-ethylbexyl)phthalate	10		5	5	N.	Z.
kenyl Phenyl Ether         10         U1         U1         NR           nihabate         10         '         U1         NR           noranthene         10         '         U1         NR           voranthene         10         U1         U1         NR           vochezidine         20         U1         U1         NR           vrene         10         U1         U1         NR           vrene         10         U1         U1         NR           system         10         U1         U1         NR           system         10         U1         NR           system         U1         U1         NR           system         U2         U2         U3         U3 <td>hosene</td> <td>9</td> <td></td> <td></td> <td>E</td> <td>NR</td> <td>ž</td>	hosene	9			E	NR	ž
woranthene         10         UI         UI         NR           woranthene         10         UI         UI         NR           woranthene         10         UI         NR         NR           robenzidine         20         UI         UI         NR           yrene         10         UI         UI         NR           yrene         10         UI         UI         NR           planthracene         10         UI         UI         NR           planthracene         10         UI         UI         NR           planthracene         10         UI         UI         NR	Bromonhend Phenyl Ether	: 9		5	5	ž	ž
Manual         UI         UI         NR           uoranthene         10         UI         UI         NR           uoranthene         10         UI         NR         NR           cobenzidine         20         UI         UI         NR           yrene         10         UI         UI         NR           Acolyprone         10         UI         UR           h)authracene         10         UI         NR           10         UI         NR           10         UI         NR           NR         UI         NR           NR         NR         NR	knzo(a)anthracne	20	•	5		22	a w
constitution         10         11         12         13         14         15         15         15         15         15         15         15         15         15         16         17         17         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18         18	Di-n-octylphthalate	2		=		ä	Ž
Construction         10         UI         NR           Construction         20         UI         UI         NR           Coberazidine         20         UI         UI         NR           3-cd]pyrene         10         UI         UI         NR           A-cd]pyrene         10         UI         UI         NR           Ipperplene         10         UI         UI         NR           Ipperplene         10         UI         UI         NR	Centro(h) (homosthene	2		i	; E	ž	ž
Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configuration         Configur	Jenzo(k)(liperathene	? 5		i <u>=</u>	; <b>=</b>	ž	Ž
robenzidire         20         10         NR           yrene         10         UI         UI         NR           3-cd)pyrene         10         UI         UI         NR           h)anthracene         10         UI         UI         NR           ppcpylene         10         UI         UI         NR           I o         UI         UI         NR	Seminary Management of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Seminary of the Sem	2 \$		3 E	S E	<u> </u>	2
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10 U! NR	Obsenzo(a,h)anthracene	2		5	ñ	N.	ž
	Senzo(ghi)perylene	2		5	===	217	::

Table 1.8 Site 2. Ground Water Page 4A

Parameter and Analysis Method Limit Fire SEMI-VOLATILE ORGANICS (EPA 625) Continued page 2 Acetophenone Antine 4-Aninosyphenyl 1-Chloronaphthalene 1-Chloronaphthalene 1-Chloronaphthalene 1-Chloronaphthalene 1-Chloronaphthalene 1-Chloronaphthalene 20 1-Chloronaphthalene 20 1-Chloronaphthalene 20 1-Chloronaphthalene 20 1-Chloronaphthalene 20 1-Chloronaphthalene 20 1-Chloronaphthalene 20 20 20 20 20 20 20 20 20 20 20 20 20	Lanit Field Sample No.  Lab Sample No.  Lab Sample No.  (2) Continued page 2	5-15-50 DANGB-2-MWI-GW-I 89002534	9-17-56 DANGB-2-MW2 GW-1 89002523	9-21-88 DANGB-2-MW4-GW-1 88022575	9-22-88 DANGB-2-MW5-GW-1 88092614	8577-4 BANGB-F1115 88072618	5.42:80 DANGB:2-MW6-GW:1 88092613	9-22-88 DANGB-2-MW7-GW-1 88002612
Parameter and Analysis Method  SEMI-VOLATILE ORGANICS (EPA 625)  Acttophenone Aniline 4-Aminodopphenyl 4-Chloronapithalene Debronolusan p-Dimethylaminoazobenzene 7,12-Dimethylaminoazobenzene 1,2-Diphenylylphenethylamine Diphenylamine Diphenylamine Eib-Loubensyllograzine Eib-Loubenylylphenzene	Continued page 2	8300	88072523	88092575	88092614	88002618		88092612
SEMI-VOLATILE ORGANICS (EPA 625) Acttophenone Aniline - Aniline - Aniline 4-Aminotopphenyl 4-Chloroaniphtalene 1-Chloroanphthalene Discussionan p-Dimethylaminoszobenzene 7,12-Dimethylamine Diphenylamine 1,2-Diphenylamine 1,2-Diphenylamine 1,2-Diphenylamine 1,2-Diphenylamine Fith-Instrumentationale								
Acetophenone Aniline 4-Aminotyphenyl 4-Chloroapithe 1-Chloroapithalene Diberacioran p-Dimethylaminoazobenzere 7,12-Dimethylaminoazobenzere a-a-Dipenylyphenethylamine 1,2-Diphenylyhdrazine Fith Instrumentingen								
4-Aniline 4-Aminodyphenyl 4-Chlorosatiline 1-Chlorosatiline Dikenzofuran p-bimethylaminoszobenzere 7,12-Dimethylaminoszobenzere a-a-Directhylphenethylamine 1,2-Diphenylamine Fith-Instrument	•	ם	Ω	5	5	ĸ	'n	ö
4-Aminotyphenyl 4-Chlorosailine 1-Chlorosailine Decnsofusm Discritylaminoszobenzere 7,12-Dimethybenz(3)anthracene a-a-Dimethyphenethylamine 1,2-Diphenylhydrazine Gibhnerylamine		O	n	5	<b>5</b>	N.		5
4-Chlorosailine 1-Chlorosapituttalene Dakensofuran p-Dinetthylaminoazobenzene 7,12-Dinethybenz(3)authracene a-a-Dinethylphenethylamine 1,2-Diphenylhydrazine Eith-Inethynenetifoasie	•	מ	n	ລ	in	Ä		5
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Daxenzoluran Daxenzoluran p-Dimerlayaminozzobenzene 7,12-Dimerlaybenz (a)anthracene a-a-Dimerlaybeneelhylamine 1,2-Dipherylahydrazine Eith-Imerhaneenifozaine	• :	D;	: כ	<b>5</b> :	<b>5</b>	ž.		
P-Dinchysaminoazobenzere 7,12-Dinethysenz(s)anthracene a-a-Dinethyshenethylamine 1,2-Dipterythydrazine Eithrethysenifoasi	10	<b>)</b>	<b>&gt;</b> ;	5	<b>:</b>	Y :		
7.12-DimethyRenz(3.Janhracene aa-Dimethydphenethylamine Diphenylamine 12-Diphenylaydrazine Eitstmethynethylorie	•	<b>D</b> :	<b>D</b> ;	<b>5</b>	<b>5</b>	ž i		
a-a-i)meityypenethylamine Diphenylamine 1,2-Diphenylthydrazine Fibblinethynethyllinai	•	<b>D</b> :	<b>D</b> ;	<b>5</b>	5	ž :		
Diphenylamine 1,2-Diphenylhydrazine Ribtimethaneest(onate	•	<b>.</b>	Þ	5	5	ž		
1,2-Dipbenythydrazine Ethylmethanesutonate	•	ם	ם	ö	5	zz.		
Ethelmethanesulfonate	•	ם	Ð	5	ສ	ä		
	•	ח	ח	<del>S</del>	. 5	N.		
3-Methylchloranthrene	•	ם	Ð	5	ö	N.		•
Methytmethanesulfonate	•	מ	Ω	5	5	NR		•
2-Methyl Naphthalene	10	D	D	5	5	NR		
I-Naphthylamine	•	D	כ	5	5	XX		
2-Naphthylamine	•	ח	Ð	5	5	ä		
	8	ם	ם	5	ລ	ž		
	ន	ם	ב	ສ	ສ	N.		
•	8	5	ח	5	5	ž		
N-Nitroso-di-n-burylamine	•	D	ח	5	ສ	N.		
_	•	ח	5	5	ສ	N.		
Pentachlorobenzene	•	ם	ם	5	5	NR.		
Pentachloronitrobenzene	•	) י	D ;	<b>5</b>	5 :	ž		
Phenacetin	•	<b>o</b> :	D:	<b>5</b> :	<b>5</b> :	ž :		
2-Picoline	•	<b>D</b>	<b>D</b> :	5	j :	ž :		
Pronamide	•	D	D	5	5	ž		
1,2,4,5-Tetrachlorobenzene	•	: ם	<b>&gt;</b> ;	5	5 :	¥ !		
Alpha-BilC:	•	<b>D</b> ;	n ;	5	5 :	ž i		
Camma-BilC	• ;	: ם	<b>&gt;</b> :	5 :	5 :	ž.		5 :
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Heptachior	2 4	<b>:</b>	<b>&gt; 2</b>	5 5	5 E	ž		-
Della-UIC	2 5	ם ב	0 =	5 5	5 =	ž		
Modern Complete	2 9	) =	> =	5 5	5 5	¥ 2		
Endweller Lychnoc	2	? =	=	5 =	·	ž ž		
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44.00%	1 8		=	5 5	5 5	ž		
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Fodosulfae II	,	, <b>5</b>	•	5	5	N.	5	ä
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44.DDT	22	ם	מ	Ď	5	ž	5	S
Endosulfan Sulfate	F 69	כ	מ	5	5	N.	ñ	5
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Endru Ketone	•	0	Ð	5	5	ž	5	
Chlordane	8	n	<b>&gt;</b>	ä	in	ž		
Methovychlor		ם	5	5	ŭ	ž	5	ö
Tovanbene	8	ח	ב	5	5	ž		

Table L-8 Site 2 - Ground Water

Page 4B

GW 2-C FB GW 2-D 9-21-88 9-21-88 DANGB-FBM DANGB-2-GW2D-GW-1 88092581 GW 2-A FB GW 2-B GW 2-C 9-21-88 9-22-88 9-21-88 9-21-88 DANGB-2-GW 2-GW-1 DANGB-2-GW 2-GW-1 
 Date Sampled:
 9.21-88

 Field Sample No.:
 DANGB-2-GW2A-GW-1

 DANGB-2-GW2A-GW-1
 DANGB-2-NIWS&-GW-1

 Lab Sample No.:
 88092574
 GW 2-A DUP Well/OC No. SEMI-VOLATILE ORGANICS (EPA 625) Continued page 2 Method Detection 85255.28..288..8.8 Parameter and Analysis Method 12-Dinethybenz(a)anthracene >Dimethylaminoazobenzene Pronamide 1,2,4,5-Tetrachlorotxenzene N-Nitroso-di-n-butylamine 'entachloropitrobenzene Methylmethanesulfonate Ethylmethanesulfonate -Methykhloranthrene 2-Diphenythydrazine -Chloronapyhihalene 2-Methyl Naphthalene N-Nitrosopiperidiene Heptachlor Epoxide Endosulfan I Endosulfan Sulfate Endrin Akdehyde Pentachlorobenzene 4-Aminobyphemy -Naphthylamine -Naphthylamine Dipbenylamine Acetophenone -Chloroaniline Dibenzofuran Indrin Ketone II uellusopui Acthoxychlor 2-Nitroaniline -Naroaniline 4-Nitroaniline Camma-DHC Npbs-Bilc Selta-BHC **Septachlor** henacetin 3cts-BHC A'-DDE A*DDD 4-DDT

Table L-8 Site 2 - Ground Water Page 4C

Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Profession   Pro				*****	*****			*****		2
Comparison		Detection	Date Sampled: Field Sample No. DANG	9.20-88 n.2.Gw2fi.Gw.1 DANG	9:20-88 n.2.MW77-GW-1 DANG!	9.22.88 n.2.MW18.GW:1 DANGE	9.21.99 .2.MW39.GW.1 DANG	9-20-88 GR-2-MW40-GW-1 D	9-22-88 ANGB-2-MWSS-GW-1 D	9-20-88 ANGB-2-MW41-GW-1
	Parameter and Analysis Method		Lab Sample No.:	88072549	88002547	8802615	8802578	88092550	\$8092551	88002548
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	7,12-Dimethylbenz(*)anthracene	•		5	5	5	ສ	5	5	5
	a. a. Dimethylohenethylamine	•		ö	5	5	5	ñ	. <b>5</b>	5
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	ühylmethanesulfonale	•		ື້ວ :	5 ;	5 ;	5 :	5 :	5 ;	5 5
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1	-Nachthylamine	•		5	5	ສ	5	ñ	5	ี่อั
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Table L.8 Site 2 - Ground Water Fage 4D

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December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December		Method	well/OC NO.	DAN C	2VIII	101	4
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25 (ETA 625) Consistend page 2  2 (ETA 625) Consistend page 2  2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	. Parameter and Analysis Method		Lab Sample No.	88092546	88072579	84092582	, 83092619
1	SEMI-VOLATILE ORGANICS (E	PA 625) Continued	d page 2				
Free Free Free Free Free Free Free Free	Acetophenone	•		ถ	5	N.	AN.
10   10   10   10   10   10   10   10	Apiline	•		ລ	5	ĭ	N.
The color	4-Aminobyphenyi	•		5	5	ř	Ä
Trace 10	4-Chloroaniline	ន		5	5	ž	N.
ince 10	1-Chloronapthihalene	•		ຣ	5	ž	NR
10   10   10   10   10   10   10   10	Dibenzofuran	01		ລັ	ົລ	ZZ.	ž
histories	p-Dimethylaminoazobenzene	•		5	5	~	AN
Free Free Free Free Free Free Free Free	7,12-Dimethy Denz(a) anthracene	į		ñ	ij	ž	ž
Fig. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	a. a. Dimethylphenethylamine	•		ລ	5	Ä	Ä
	Diphenylamine	•		ö	5	Ä	ž
## ## ## ## ## ## ## ## ## ## ## ## ##	1,2.Diphenylhydrazine	•		5	5	N.	ÄN
Fig. 19	Ethylmethanesulfonate	•		ā	5	N.	Ħ
7	3-Methylcholanthrene	•		5	5	ä	N.
10   10   10   10   10   10   10   10	Methylmethanesulfonate	•		5	ອ	ž	H.
10	2-Methyl Naphthalene	01		5	5	Ä	ZX.
10   10   10   10   10   10   10   10	1-Naphthylamine	•		5	ň	Ä	ž
9.9 UI UI NR NR sebughanine	2-Naphthylamine	•		5	5	Ä	NR
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ridient	N-Nitroso-di-n-butylamine	•		5	ລ	N.	RN
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rrobenzene	Pentachlorobenzene	•		ñ	5	N.	Ä
1	Pentachloronitrobenzene	•		ອ	ភ	XX.	ž
District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District	Phenacetin	•		5	5	an An	Ä
lorockenizere	2-Picoline			ä	5	NR	AN.
Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note   Note	Pronamide	•		5	5	N	NR
28 UI UI UI UI UI UI UI UI UI UI UI UI UI	1,2,4,5-Tetrachlorobenzene	,		ñ	5	NN.	NR
20 UI UI UI UI UI UI UI UI UI UI UI UI UI	Alpha-BHC	•		5	5	NR	Ä.
20 UI UI UI UI UI UI UI UI UI UI UI UI UI	Gamma-BHC	•		5	ñ	N.	NR
15 UI UI UI UI UI UI UI UI UI UI UI UI UI	Beta-BHC	ន		ö	5	NA NA	N.
15 UI UI UI UI UI UI UI UI UI UI UI UI UI	Heptachlor	01		ö	ā	Ä	Ä.
10 UI UI UI UI UI UI UI UI UI UI UI UI UI	Delta-BifC	15		5	5	Ä	än
αντίde 10 UI UI UI UI UI UI UI UI UI UI UI UI UI	Aldrin	01		5	5	ž	ž
15 U U U U U U U U U U U U U U U U U U U	Heptachlor Epovide	07		5	5	ž	XX.
15 U U U U U U U U U U U U U U U U U U U	Endosulfan I	•		5	5	ž	ž
30 UI UI UI UI UI UI UI UI UI UI UI UI UI	Dieldrin	25		ົລ	ñ	Z.	NR.
15	44:DDE	ጽ		5	5	N.	Ä.
15 . U! U! U! U! U! U! U! U! U! U! U! U! U!	Endrin			5	ລ	Z.	N.
15 . U! U!  25 . U! U!  16 . U!  40 . U!  60 . U!  61 . U!  62 . U!  63 . U!  64 . U!  65 . U!  66 . U!	Endosulfan II	•		5	ວັ	N N	Ä
25 U: U: U: U: U: U: U: U: U: U: U: U: U:	44-DDD	15		<del>5</del>	ñ	ž	ž
dd	A,4.DDT	જ		5	5	ž	ž
10 10 10 10 10 10 10 10 10 10 10 10 10 1	Endosulfan Sulfate	೫		ອ	ö	ž	Ä
	Endrin Aldehyde			5	ñ	ä	XX
in in	Endrn Ketone	•		5	5	a N	N.
. ·	Chlordane	8		ລ	ä	NK.	N.
	Methovychlor	,		Ξ	:		

Table L.8 Site 2 - Ground Water Page 5A

	Method	Well/OC No.	MW 1	, MW2	WW4	MWS	MW S FI	MW	MW7
	Detection	Date Sampled:	9-19-88	88-61-6	•		9.22-88	9.22-88	9-22-88
	Limit	Field Sample No.:	DANGB-2-MWI-GW-1	DANGB-2-MW2-GW-1	Field Sample No.: DANGB-2-MWI-GW-1 DANGB-2-MW2-GW-1 DANGB-2-MW3-GW-1	DANGB-2-MWS-GW-1	DANGB-FBIS	DANGB-FBIS DANGB-2-MW6-GW-1	DANGB-2-MW7-GW-I
Parameter and Analysis Method		Lab Sample No.:	88002524	88092523	88002575	88092614	88092618	88092613	88092612
SEMI-VOLATILE ORGANICS (FPA 625) Continued page 3	2PA 625) Continued p	22c 3				٠.			
, 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101 - 101			2	-	Ē	=	ä		111
Arcelor-1016	3 :		:	;	5 :	<b>5</b> :		5 :	3 =
Aroclor-1221	8		D	•	5	5	ž	5	5
Aroclor-1232	8		ם	J	5	5	N.	5	5
Aroclor-1242	8		ב	P	5	5	RN	5	ົລ
Aroclor-1248	8		ם	ם	5	ភ	N.	5	ธ
Arodor-1254	8		ם	7	5	<del>ວ</del>	NR	5	5
Arodor-1260	8		ם	2	5	5	ž	ភ	5
2-Chlorophenol	01		מ	a	5	5	ž	ā	5
2-Nitrophenol	2		D	Ð	n	Ю	ž.	5	5
Phenol	10		ב	Þ	5	5	ž	ā	ຣັ
2.4-Dimethylphenol	01		<b>D</b>		5	5	N.	ສ	ົລ
2.4-Dichlorophenol	2		U	<b>&gt;</b>	5	5	ñ	5	5
2,4,6-Trichlorophenol	01		ב	ס	5	ລັ	ž	5	5
4-Chioro-3-methylphenol	ន		D	Ð	5	5	ž	ភ	5
2.4-Dinitrophenol	ន		ח	ח	5	ñ	ĭ	5	5
2.6-Dichlorophenol	•		מ	2	5	īn	XX.	5	5
2-Methyl-4,6-dinitrophenol	ន		D		5	ä	N.	5	5
Pentachlorophenol	ន		ח	כ	5	5	Ĭ	ົວ	5
4-Nitrophenol	ន		n	Ð	5	ភ	ž	5	ຸລົ
Benzoic Acid	ঙ্গ		ם	ס	5	ō	NN.	ລັ	5
2-Methylphenol	0		ח	ח	ī,	5	ž	5	5
3&4-Methylphenol	2		2	ם	5	5	ž	i i	5
23.4.6-Tetrachlorophenol	•		ח		5	ñ	ž	5	5
2,4.5-Trichlorophenol	10		ם	ə	5	ສ	¥	ລັ	ö

Table L-8
Site 2 - Ground Water
Page 619

								•	
	Method	Well/OC No.	GW 2-A	GW 2A DUP	GW 2-A FB	GW 2:13	GW 2-C	GW 2-C FB	GW 2-D
	Detection	Date Sampled:	9-21-88	9-11-88	9-21-88	9.22.88	9-21-88	9-21-88	9-21-88
	Limit	FEM Sample No.: DANGB-2-GW2A-GW-1 DANGB-2-MWS6-GW-1	GWZA-GW-1 DAN	4GB-2-MWS6-GW-1	DANGB-FBI3 DANG	DANGB-FBI3 DANGB-2-GW2B-GW-1 DANGB-2-GW2C-GW-1	B-2-GW2C-GW-1	DANGB-FB14 DANGB-2-GW2D-GW-1	3.2.GW2D-GW-1
Parameter and Analysis Method		Lab Sample No:	R8072573	84092574	88092580	88092616	88092576	88092581	88092577
SEMI-VOLATILE ORGANICS (EPA 625) Coalieved page 3	EPA 625) Continued	lpsgc 3						;	
Aroclor 1016	8		5	5	Z.	5	5	N.	5
Arodor-1221	8		5	5	N.	ñ	5	N.	5
Arodor-1232	8		5	5	NR.	5	5	N.	Ş
Arodor-1242	8		5	ö	N.	5	5	NA RN	5
Arodor 1248	8		5	5	N.	5	ភ	an R	5
Arodor-1254	8		5	5	Z.	5	5	NR.	5
Arodor-1260	8		ລັ	5	zz.	5	5	NR.	5
2-Chbrophenol	07		5	5	NR	5	ñ	N.	5
2-Nitrophenol	2		5	5	Ä	5	5	NR	5
Phenot	10		5	ភ	ž	5	5	NR	ភ
2.4.Dimethylphenol	10		ສ	5	ž	5	5	N. R.	5
2.4-Dichlorophenol	01		ñ	5	ZZ.	5	ä	N.	5
24.6-Trichlorophenol	01		5	ñ	N.	5	5	N.	5
4-Chloro-3-methylphenol	R		5	5	N.	5	5	NR	5
2.4.Dinitrophenol	ধ		5	5	Ä	5	5	NR	5
2,6-Dichlorophenol	•		5	5	ZN.	5	ñ	NR	ñ
2-Methyl-4,6-dinitrophenol	ধ		ລ	5	N.	5	in	NR.	ສ
l'entachlorophenol	য়		5	ñ	¥	5	ň	N.	5
4-Nitrophenol	প্ত		5	5	NR	5	ñ.	NR R	5
Benzoic Acid	R		5	5	NR	5	5	NR	5
2-Methylphenol	01		5	5	N.	ö	ວັ	NR	ö
3&4-Methylphenol	2		5	<b>5</b>	an R	5	5	a a	5
2.3,4,6-Tetrachlorophenol	•		5	5	N.	5	ñ	an N	5
24.5-Trichloropheno!	10		ö	ລ	ž	ö	ລັ	N.	<b>5</b>

Table L-8
Site 2 - Ground Water
Page SC

						/*			*
	Method	Well/OC No.	GW 2-II	MW37	MW38	MW39	MW40	MW40 DUP	MW41
	Detection	Date Sampled:	9-20-88	9-20-88	9-22-88	6-17-6	9.20-88	9-30-88	9-20-88
	Limit	Field Sample No.: DANGI	L2GWZE-GW-I DA	Frid Sampk No. Dangb-26w2E-GW1 Dangb-2-WW3F-GW1 Dangb-2-WW3P-GW1 Dangb-2-WW3P-GW1 Dangb-2-WW5F-GW1 Dangb-2-WW5F-GW1	B-2-MW38-GW-1 DANG	3B-2-MW39-GW-1 DAN	GB-2-MW40-GW-1 DAN	4GB-2-MWSS-GW-1 DAN	GB-2-MW41-GW-1
Parameter and Analysis Method		Lab Sample No.:	88002549	88092547	88092615	88092578	88092550	88092551	88092548
SEMI-VOLATILE ORGANICS (EPA 622) Coninued page 3	EPA 625) Continued	d page 3				-	· -		
Aroclor-1016	8	•	5	ה	ລ	ä	5	ñ	5
Arodor 1221	8		5	õ	5	5	ອ	ö	ລ
Arodor-1232	8		5	5	5	5	5	ລ	ö
Aroctor-1242	8		5	5	5	5	5	5	5
Aroclor-1248	8		5	5	5	5	ສ	ö	5
Aroctor-1254	8		5	5	ñ	5	ສ	ภ	5
Aroctor-1260	8		5	5	5	.5	ij	5	5
2-Chlorophenol	2		5	5	5	5	5	ລ	<del>ວ</del>
2-Nitrophenol	2		5	5	5	ä	ä	5	5
Phenol	10		5	5	5	5	ö	ລ	ñ
2.4-Dimethylphenol	2		5	ă	5	õ	5	5	ä
2.4-Dichlorophenol	22		5	õ	5	ă	5	5	ñ
2,4,6-Trichlorophenol	2		5	Š	5	5	ñ	5	5
4-Chloro-3-methylphenol	8		5	õ	ລ	5	5	ສ	ລ
24-Dinitrophenol	ន		5	5	5	5	ă	5	5
2.6-Dichlorophenol	•		ភ	ä	5	ö	5	5	5
2. Methyl 4, 6 dinitrophenol	ន		ລ	5	5	ñ	5	ສ	5
Pentachiorophenol	প্ত		5	5	5	ä	5	ö	5
4-Nitrophenol	ধ		5	5	5	'n	ñ	ភ	ភ
Benzole Acid	্প		5	5	5	ລັ	ñ	ສ	'n
2-Methyphenol	01		ົລ	ສ	5	'n	5	ສ	5
3&4-Methylphenol	01		ភ	5	5	5	ñ	ສ	ā
23,4,6-Tetrachlorophenol	•		ລ	<b>5</b>	5	5	5	ñ	5

Table L-8 Site 2 - Ground Water Page 47

	Method	Well/OC No.:	BRI	1182	181	T132
	Detection	Date Sampled:	9-20-88	9-21-88	9.21-88	. 9-22-88
	Limit	Field Sample No.:	DANGB-BR9	DANGB-BR10	DANGB-TB10	DANGB-TB11
Parameter and Analysis Method	,	Lab Sample No.:	88092546	88092579	88092582	88092619
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3	EPA 625) Continu	cd page 3		ŧ		
Aroclor-1016	\$		5	5	N.	Z.
Aroctor-1221	8		5	ភ	ΝĭΝ	ä
Aroctor-1232	8		ñ	5	N	N N
Aroclor-1242	8		ñ	5	ž	N.
Aroclor-1248	8		5	5	ZZ.	ĭz
Arector-1254	8		ñ	ñ	ĕ	N.
Aroctor-1260	8		ä	5	ž	NR
2-Chlorophenol	9		5	ລ	~	ä
2-Nitrophenol	2		5	5	ž	NR
Phenol	01		5	ă	N.	RN
2.4-Dimethylphenol	<b>.</b> 2		5	ភ	N.	NR NR
2.4.Dichlorophenol	9		5	ភ	NR	~X
24,6-Trichlorophenol	01		5	ñ	ž	NR
4-Chloro-3-methylphenol	ន		5	ā	¥ N	an an
2.4.Dinitrophenol	8		5	5	ž	XX.
2,6-Dichlorophenol			5	5	N	NR
2-Methyl-4,6-dinitrophenol	8		5	5	ž	¥
Pentachlorophenol	ጻ		ñ	ñ	¥Z.	Ä
4-Nitrophenol	8		5	5	XX.	XX
	ន		5	5	N.	¥N
	2		5	ລ	NR	NR
2 3&4-Methylphenol	01		5	ລ	NIN	¥ N
2.3.4.6-Tetrachlorophenol	•		5	ä	NR	an An

Table L.8 Site 2 - Ground Water Page 6A

	Method	Well/OC No.	MW 1	MW2	WW4	MWS	MW 5 FB	9 MM	WW7
Parameter	Detection	Date Sampled:	9.19.88	83.61.6	9-21-88		9.22-88		
	Limit	Field Sample No.	Field Sample No. DANGB-2-MWI-GW-1	DANGB-2-MW2-GW-1 DANGB-2-MW4-GW-1 DANGB-2-MW5-GW-1	DANGB-2-MW4-GW-1	DANGB-2-MWS-GW-1	DANGB-FB15	DANGB-2-MW	DANGB-2-MW7-GW-1
		Lab Sample No.:	88092524	88072523	\$722008	, 88002614	86092618	88092613	88092612
TOTAL PETROLIUM HYDROCARBONS (EPA 418.1)	CCARBONS (EPA 418	8.1)					-		
Data Package			27	123	11.	<b>4</b> 12		#12	<b>#</b> 12
Units: mg/L	1.5		D	ם	D	n	, NA	n	Ω
METALS (Unite: mg/L)									×
Data Package			7.7	12	111	<b>4</b> 12		<b>*</b> 12	<b>6</b> 12
Banum (SW 6010)	50.0		< 0.2	< 0.2	< 0.2	< 0.2	NR	< 0.2	< 02
Cadmium (SW 7131)	100'0		< 0.005	< 0.005	\$000 >	< 0.005	N.R.	> 0000	< 0.005
Chromium (SW 7191)	0000		< 0.01	10'C >	< 0.01	1000 >	ZZ.	< 0.01	< 0.01
Lead (SW 7421)	5000		< 0.005	< 0.005	\$000 >		NR	> 0,000	> 0.005
NITRATE									
Data Package			\$94	894	891	89/	89	89#	89*
Unite: mg/L	0.02		< 0.02	< 0.02	0.53	< 0.02	äx	0.14	< 0.02
SPECIFIC CONDUCTANCE (EPA 120.1) Units mS/cm @ 25 &	(Era 120.1)		1436	727.1	<i>STT.</i> 0	0.670	, AN	0.617	0 947
TEMPERATURE (EPA 170.1) Unite C	_		211	3.11.	£113	601	z	. 13.7	<i>C</i> 111
pli (EPA 150.1) Units: pli Units			197	7.58	. 669	7,40	ž.	707	72.7

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Table L-8 Site 2 - Ground Water

	Method	Well/OC No.	GW 2.A	GW 2.A DUP	GW 2.A FB	GW 2-B	GW 2-C	GW 2.C EB	C A C A C
Parameter	Detection	Date Sampled:	9.21-88	9-21-88	9.21-88	9.22.88	9.71.88	97.1.88	8
	Limit	Field Sample No.: DANGB-2-GW2A-GW-1 DANGB-2-MW56-GW-1	B-2-GW2A-GW-1 DA	NGB-2-MWS6-GW-1	DANGIB-FIRIS DAN	DANGII-FIII3 DANGII-2-GW2B-GW-1 DANGII-2 GW2C-GW-1	B-2 GW2C-GW-1	DANGREFII4 DANGRACKOWO	0,13.7 1,2.7.7.7.7.8.1.1
		Lab Sample No.:	88092573	88092574	88092580	88092616	84092576	88092581	1,520083
TOTAL PETROLEUM HYDROCARBONS (EPA 4181)	ROCARBONS (EPA 4)	181)							
Data Package		٠	111#	, ,		#12	11.		
Units: mg/L	1.5		n	n	¥Z	מ	ם	N.	: D
METALS (Unite: mg/L)									
. Data Padeage			****	411		<b>4</b> 12	117		
Darium (SW 6010)	0.05		< 0.2	< 02	ž	< 0.2	< 0.2	ä	
Cadmium (SW 7131)	0.001		< 0.005	> 0000	N N	> 0000	< 0.005	. X	20.7
Chromium (SW 7191)	0.002		<b>10'0 &gt;</b>	> 001	ZZ.	< 001	, 100 >	×	700 >
Lead (SW 7421)	0.005		< 0.005	< 0.005	NR	> 0 000	< 0.005	Z Z	< 0.005
NITRATE									
Data Package			89.	80#		89/	89/		89.
Unite: mg/L	0.02		< 0.02	< 0.02	N	< 0.02	80	A.	< 0.02
SPECIFIC CONDUCTANCE (IPA 120.1) Units: mS/cm @ 25 C	(EPA 120.1)		2720	<i>STS.</i> 0	, and	1.321	161.0	ях	. 21.13
TEMPERATURE (EPA 170.1) Unitsi PC			12,0	120	N	13.9	11.2	an R	201
pH (EPA LS0.1) Units: ph Units			7.23	7.23	NR	96'9	929	N RN	7.35

Table L-8 Site 2 - Ground Water Page 6C

Personates	Method	Well/OC No.	GW 2.E	MW37	MW38	WW39	MW40	MW40 DUP	MW41
raincici	Detection Limit	Date Sampled: 9-20-88 9-20-88 9-20-88 9-20-88 9-20-88  Field Sample No.: DANGB-2-GW2E-GW-1 DANGB-2-MW2B-GW-1 DANGB-2-MW39-GW-1 DANGB-2-MW40-GW-1 DANGB-2-MW41-GW-1  Lab Sample No.: 88072549 88072549 88072547 88072615 88072578 8807359	9-20-88 B-2-GW2E-GW-1 DANG 880025-19	9-20-88 IB-2 MW37-GW-1 DANG 88092597	9-22-88 B-2-MW3&-GW-1 DANG 88092615	9-21-99 IB-2-MW39-GW-1 DANG 8802578	9-20-88 B-2-MW40-GW-1 DAN 8802350	9-20-88 IGB-2-MW5S-GW-1 DAN	9-20-88 4GB-2-MW41-GW-1
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	OCARBONS (EPA 41)	81)						,	000
Data Package	•	•	01,	01.	112			•	
Units: mg/L	1.5		n	ב	a	<b>.</b>	)  -	2 0	D D
METALS (Unite: mg/L)									
Data Package			<b>/10</b>	<b>4</b> 10	<b>1</b> 12	117	01.	01.	•
Barium (SW 6010)	50.0		< 0.2	< 0.2	< 02	< 0.2	< 0.2	× 0.2	C0 >
Cadmium (SW 7131)	0.001		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	> 0000	3000 >
Chromium (SW 7191)	0.002		100 >	100 >	< 0.01	< 0.01	< 0.01	100 >	< 0.01
LC20 (SW 74ZI)	0.003		< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.000	> 0 000
NITIVATE									
Data Package			891	89/	891	89/	89/	88	89.
Onits: mg/L	0.02		< 0.02	< 0.02	< 0.02	0.52	90'0	60'0	50.0
SPECIFIC CONDUCTANCE (EPA 120.1)	EPA 120.1)								
Units: mS/cm @ 25°C			1.813	0.455	0642	0.834	0,411	0.411	9350
Temperature (efa 170.1) Unite?C			6.9	12.1	10.9	11.7	911 .	11.6	9.8
pH (GPA 150.1) Units: pH Units			889	7.6	Š	**	į	;	
			2000	0/-/	107	6.98	7.66	7.66	5.7

Table L-8 Site 2 - Ground Water Page 6D

Date Sampled: 9-20-68 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-88 9-21-8		Method	Well/OC No.	BR1	BR2	1831	T102
Limit   Field Sample No.   DANGB-BR9   DANGB-BR9   BANGB-BR9   B	Parameter	Detection	Date Sampled:	9-20-88	9-11-88	9-21-88	9.22.88
Lab Sample No.   R8002546   R8002579   R800   A IIIYDROCCARBONS (EPA 418.1)   A 10   A 111   B 113   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111   B 111		Limit	Field Sample No.:	DANGB-BR9	DANGB-BR10	DANGB-TB10	DANGB-TB11
#10 #10 #11			Lab Sample No.:	88092546	88092579	88092582	88002619
L) L) L) (2) (3) (4) (6) (4) (7) (4) (7) (4) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	OTAL PETROLEUM 11YD	ROCARBONS (EPA 4)	18.1)				
L)  (L)  (L)  (L)  (L)  (L)  (L)  (L)	ata Package			<b>1</b> 10	#11#		
L)  0.005  0.001  0.0001  0.0002  0.0002  0.0002  0.0003  0.0003  0.0003  0.0003  0.0003  0.0003  0.0003  0.0003  0.0003  0.0003  0.0003  NR  NR	inits: mg/L	21		D	מ	Ä	ž
0.05	ETALS (Unite: mg/L)						
0.05	ata Padcage			01,7	111/		
0.001	arium (SW 6010)	500		< 0.2	< 0.2	X.	N N
2,0002   < 0,001   < 0,001	4dmium (SW 7131)	0001		< 0.005	> 0,005	ž	ä
0,005 < 0,005 < 0,005 < 0,005	hromium (SW 7191)	2002		10'0 >	< 0.01	N.	ZZ.
# (48	cad (SW 7421)	\$000		> 0,005	< 0.005	ZZ.	ž
0.02 < 0.02 < 0.02	ITÄATE			0,7	**		
NR NR NR	nite: mg/L	0.02		< 002	< 0.02	Ä	N N
	PECIFIC CONDUCTANCE nits: mS/cm @ 25°C	3 (EPA 120.1)		Ä	N.	Ä	X X

FB Field blank. BR Bailer rinsate.

TB Trip blank.

Data Package # Numbers refer to Data Packages in Appendix M.

B For örganic analyses, the parameter was detected in the lakuratory blank as well as the sample. For metals analyses, the reported value is less than the

Conirac Required Detection Limit, but greater than the Instrument Detection Limit.

• This sample was analyzed as part of an overnight run using an autosampler. When the analyst went to get the second bottle for confirmatory analysis, it was found to be broken. Thus, no confirmatory analysis was performed using a megabore capillary column; this minimizes the possibility of false positives.

NR The analysis was not requested.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit. I The holding time was missed for this analysis. See Appendix N.

- The EPA has not yet reported on a method detection limit for this parameter. .

Units: C

pH (EPA 150.1) Unite: pH Units

TEMPERATURE (GPA 170.1)

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SITE 3
SITE 3
SITE 3
MINNESOTA AIR NATIONAL GUARD BASE
DULUTH, MINNESOTA
SUMMARY OF CHEMICAL ANALYSES FOR SURFACE WATER SAMPLES
(Results in micrograms per liter unless otherwise noted.)

Description 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-2658 9-26		Method	Location/QC No.	SLS	SIS	SL10	SL10 DUP	SL10 FB
Limit   Field Strapple No.   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05NVI   PANCID-3-SLL05N		Detection	Date Sampled:	9.26.88	9-26-88	9-26-88	9.26-88	9.56-88
CATILE ORGANICS (SW 8010)  thate 50  c 0.05  c 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C 0.25  C	Parameter and Analysis Method	Limit	Field Sample No.:	DANGB-3-SL&-SW-1 8802766	DANGII:3-SI.9-SW-1 8892772	DANGB-3-SL10-SW-1 8902767	DANGB-3-SL28-SW-1 880276S	DANGB-FB19 88092774
there 5.00 U U U U U U U U U U U U U U U U U U	HALOGENATED VOLATILE O	RGANICS (SW	(0108					
there 5.0 U U U U U U U U U U U U U U U U U U U	Data Package		•	4	Ş	13	83	,
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F. 0.00  1.12  0.012  0.025  0.035  0.035  0.037  0.038  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0.039  0	iss(2-cniorogopropyi)ciner	g 5		<b>:</b>	<b>&gt;</b> :	=	) =	-
1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2	Bromobenzene	950		<b>)</b>	<b>&gt;</b> ;	o :	<b>:</b>	
12 0.20 1.2 0.12 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	Bromodichloromethane	0.10		ב	D		ָם	<b>&gt;</b> :
112 U U U U U U U U U U U U U U U U U U	Bromoform	870		Þ	n	D	<b>ɔ</b>	Þ
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500 500 500 500 500 500 500 500 500 500	Carbon Tetrachloride	0.12		כ	כ	מ	מ	2
250 252 263 264 265 265 265 266 265 266 267 267 268 268 268 268 268 268 268 268 268 268	Chloracetaldehyde	20.0		n	ח	n	ב	•
ber 0.52 U U U U U U U U U U U U U U U U U U U	Chloral	20,0		ח	n	ר	ב	<b>5</b>
her 0.52 U U U U U U U U U U U U U U U U U U U	Chlorobenzene	0.25		a	<b>D</b>	Ω	כ	•
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05	Chloroethane	0.52		ב	כ	ם	ם	כ
ber 6,50  13	Chloroform	0.05		מ	ב	ם	ח	ב
her 0.13 U U U U U U U U U U U U U U U U U U U	1-Chlorohexane	050		ם	ב	ב	n	כ
1,00,00,00,00,00,00,00,00,00,00,00,00,00	2-Chloroethyl Vinyl Ether	0.13		ב	n	n	D	ח
Sign	Chloromethane	800		Þ	כ	מ	5	ב
6 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1. 0 0.50  1.	Chloromethyl Methyl Ether	20		מ	n	ח	מ	ם
Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Comp	Chlorotoluene	050		n	ם	n	n	ם
0.50 0.15 0.24 0.24 0.0 0.0 0.03 0.03 0.03 0.03 0.03 0.04 0.0 0.04 0.05 0.05 0.05 0.04 0.0 0.05 0.05	Dibromochloromethane	600		n	Ð	ח	n	_
0.15 0.24 0.24 0.0 0.24 0.0 0.0 0.07 0.03 0.13 0.13 0.25 0.26 0.0 0.0 0.04 0.0 0.05 0.05 0.05 0.05 0.	Dibromoethane	050		ח	ם	ם	n	_
0.52 U U U U U U U U U U U U U U U U U U U	1,2.Dichlorobenzene	0.15		n	n	D	n	ב
1.8	1.3-Dichlorobenzene	0.32		ם	D	ם	ח	_
1.8	1,4-Dichlorobenzene	0.24		n	כ	ח	Ω	-
0.07 U 1.8 U 0 0.0 O.05 O.05 O.0 O.05 O.0 O.05 O.0 O.05 O.0 O.05 O.0 O.05 O.0 O.05 O.0 O.05 O.0 O.05 O.0 O.0 O.05 O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.0 O.0	Dichlorodifluoromethane	1.8		כ	ח	מ	<b>¬</b>	מ
0.03 U 0 U 0 U 0 U 0.03 U 0.03 U 0.03 U 0.03 U 0.03 U 0.03 U 0.03 U 0.03 U 0.03 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U	1,1-Dichlorocthane	0.07		ם	1.8	Ω	ם	ם
ne 0.13 U 0.56 U 0 0.25 U 0.25 U 0.25 U 0.25 U 0.25 U 0.25 U 0.25 U 0.25 U 0.25 U 0 0.25 U 0 0.25 U 0 0.25 U 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,2-Dichloroethane	0.03		ο.	ב	ם	D	ם
ne         0.10         9.3         U           0.25         0.26B         0.28B         U           0.04         U         U         U           0.03         U         U         U           0.03         U         U         U           0.03         U         U         U           0.03         U         U         U           0.04         U         U         U           0.02         U         U         U           0.12         U         U         U           0.50         U         U         U           0.50         U         U         U           0.50         U         U         U	1,1.Dichloroethene	0.13		ב	950	D	ח	ב
0.25 0.26B 0.58B U U U U U U U U U U U U U U U U U U U	Trans-1,2-Dichloroethene	0.10		ח	93	ב	n	ם
0.04 U U U U U U U U U U U U U U U U U U U	Dichloromethane	0.25		0.26 B	0.58 13	ם	0.29 B	138
0.34 U U U U U U U U U U U U U U U U U U U	1,2-Dichloropropane	900		ם	n	ח	ם	<b>-</b>
ne 0.03 U U U U U U U U U U U U U U U U U U U	1.3-Dichloropropylene	0.34		ח	n	D	ח	ח
thate 0.50 U U U  on on on on on on on on on on on on on o	1,1,2,2.Tetrachloroethane	0.03		D	D	a	ດ	a
ine 0.03 U I.I U ine 0.02 U 8.6 U ine 0.02 U II U U inhanc 0.50 U U U inhanc 0.50 U U U	1,1,1,2-Tetrachloroethane	050		ם	כ	D .	2	D ·
ine 0.03 U 8.6 U int 0.02 U U U int 0.12 I0 III U U ithane 0.50 U U U U U U U U	Tetrachloroethene	0.03		n	=	Ð	<b>ɔ</b> :	<b>&gt;</b> :
ine 0,02 U U U U U U U U U U U U U U U U U U U	1,1,1-Trichloroethane	0.03		D	8.6	n	5	<b>D</b> :
0,12 10 110 U thanc 0,50 U U U U 0,50 U U U	1,1,2-Trichlorocthane	0.02		Ð	ח	n	P	<b>D</b> 1
thane 0.50 U U U U U U U U U U U U U U U U U U U	Trichlorocthene	0.12		10	9	ח	<b>&gt;</b>	<b>)</b>
n n n oso	Trichlorofluoromethane	0.50		ח	מ	ח	<b>5</b>	
	Trichtonsynnane	S		2	ב	>	<b>&gt;</b>	

'Table L-9 Site 3 - Surface Water Page 2

				*			
	Method Detection	Location/QC No.: Date Samples:	SL8 9.26-88	SL9 9.26-88	SU10	SC10 DUP 9.26-88	SL10 F13
	Ľmi	Field Sample No.:	DANGB-3-SL&-SW-1	DANGB-3-SL9-SW-1	DANGB-3-SL9-SW-1 DANGB-3-SL10-SW-1	DANGB3	DANGB-FBIS
Parameter and Analysis Method		Lab Sample No.:	88072766	88092772	88072767	88092765	8809277
AROMATIC VOLATILE ORGANICS (SW 8020)	NICS (SW 8020			*			
Data Package	, •		4	<b>#</b> 3	#3	#3	•
Benzene	0.2		ם	ב	D	a	_
Chlorobenzene	07		ס	ם	η.	n	7
1,2-Dichlorobenzene	٥,4		Đ	Ω	ב	ח	_
1.3-Dichlorobenzene	2		>		ם	n	_
1,4-Dichlorobenzene	60		ם	ח	D	ח	_
Ethyl Benzene	0.2		ם	<b>&gt;</b>	ח	ם	_
Toluene	0.2		n	כ	<b>-</b>	Đ	
Total Nylenes	8		ם	D	ם	ח	_

Table L.9 Site 3 - Surface Water Page 3

Company of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the party of the par	Limit	Field Sample No.:	DANGB-3-\$1&5W-1 88092807	DANGB-3-SL9-SW-1 88002772	DANGB-3-SL10-SW-1 89072767	9-26-88 DANGB-3-SI 28-SW-1 88002765	9777-0088 DANGIB-FB19 88092774
SEMI-VOLATILE ORGANICS (EPA 625) Page	PA 625) Page 1						
Data Package			13	13	7.4	13	
1,3.Dichlorobenzene	01		ñ	n	5	5	Ä
1,4-Dichlorobenzene	10		5	5	5	5	NR
Hexachloroethane	으		5	ö	5	5	XX.
Dis(2-chloroethyl)ether	10		5	5	5	ລັ	Ä
1,2-Dichlorobenzene	01		5	5	ā	ö	Ä
N-Nitrosodimethytamine	10		5	5	in	ä	ž
Dis(2-chloroisopropy1)ether	01		5	i	ñ	5	NR
N-Nitrosodi-n-propylamine	10		ā	ā	ñ	ñ	Ä
Hexachlorobutadiene	0		5	5	ສ	5	Ħ
1,2,4-Trichlorobenzene	01		5	5	ສ	'n	Ä
Nitrobenzene	01		ö	ສ	5	5	Ä
Isophorone	10		i	50	5	5	NR
Naphthalene	10		5	5	ភ	5	NR
Bis(2-chloroethoxy)methane	10		5	Ď	5	5	NR
2-Chloronaphthalene	10		5	5	5	5	Ä
Hexachlorocyclopentadiene	10		ອ	5	ñ	5	NR
Acenaphthylene	10		5	5	ភ	5	, N
Acensphthene	10	•	ö	ö	5	ö	NR
Dimethyl Phihalate	10		ö	12	TO.	5	ä
2,6-Dinitrotoluene	10		5	5	n	5	ĭ.
Fluorenc	10		5	5	ñ	5	ĭ
2,4.Dinitrotoluene	10		5	5	5	5	N.
Diethyl Phthalate	10		5	5	5	5	ž.
N-Nitrosodiphenylamine	01		ö	5	5	i	XX
Heyachlorobenzene	10		in	5	5	ñ	¥
Phénanthrene	10		5	5	5	5	N.
Anthracene	01		5	5	ö	5	ä
Diburyl Phthalate	10		ij	5	ñ	5	AN.
Fluoranthene	10		5	5	5	5	ZZ.
4-Chlorophenyl Phenyl Ether	10		5	5	5	ö	¥N
Pyrene	-10		5	5	ñ	õ	ž
Butyl Benzyl Phthalate	10		5	ö	5	ö	ž.
Bis(2-ethylbexyl)phthalate	01		5	5	5	10 B	ž
Chrysene	01		ñ	5	ā	ວັ	ä
4-Bromophenyl Phenyl Ether	10		5	5	ñ	5	ž
Benzo(a)anthracene	10		ສ	ö	5	5	Ħ
Di-n-octylphthalate	10		5	5	5	ñ	N.
Benzo(b)fluoranthene	10		5	5	ñ	5	N.
Benzo(k)fluoranthene	10		5	5	ñ	ö	ž
Benzidine	8		50	in	5	ñ	₩ W
3,3'Dichlorobenzidine	8		in	in	5	ñ	ž
Bento(a)pyrene	01		ö	in	in	ö	ž
Indeno(1,2,3-cd)pyrene	01		5	5	5	5	N.
Dibenzo(a,h)anthracene	0.		5	5	ñ	ñ	ž
Benzofehilnerviene	9			41		171	2
						;	<u> </u>

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:

Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Percess   Perc			9-50-88	9.26-88	9-26-88	0.74.88	10 20 0
Limit   Field Simple No.   Interference   Limit   Field Simple No.   Interference   Revenition   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed   Revealed						27.00.0	8-07-A
Manual   Lab Sample Mot.   145 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   150 Sample Mot.   1			DANGB-3-SL&-SW-1	DANGB-3-SI9-SW-1	DANGB-3-SLI0-SW-1	DANGB-3-SL28-SW-1	DANGB-FB19
HE DOLGANICS (ETA CAS) Continued page 2  19	Parameter and Analysis Method	Lab Sample No.:	88092807	2 <i>CLL</i> 26088	88092767	\$902763	88002774
1	SEMI-VOLATILE ORGANICS (EP			•			
1							
Market   10	Acetophenone	•	<b>5</b>	<b>5</b>	<b>5</b> :	<b>5</b> 1	Z
Market	Aniline	•	5	5	5	5	Ž
author 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4-Aminotyphenyl	•	5	5	5	5	Z
Manual content	4-Chloroaniline	8	5	5	5	5	Ž
10   11   11   11   11   11   11   11	1-Chloronapththalene	•	בּ	5	5	5	Ż
Interpretation of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contributions of the contribu	Dibenzofuran	10	55	5	5	5	Ż
10   10   10   10   10   10   10   10	p-Dimethylaminoazobenzene	•	5	5	ñ	5	Ż
10   11   12   13   14   15   15   15   15   15   15   15	7,12-Dimethylbenz(a) anthracene	•	ō	'n	in	ñ	ž
10   11   12   13   14   15   15   15   15   15   15   15	a.a.Dimethylphenethylamine	•	5	5	5	ö	NR
Inflorate	Diphenylamine	•	5	5	ñ	ñ	NR
Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate	1,2-Diphenythydrazine	1	5	in	5	5	NR
Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participatio	Ethyl methanesulfonale	•	5	5	5	ñ	Z
Analyte of particul (material (material (material (material (material (material (material (material (material (material (material (material (material (material (material material	3-Methylcholanthrene	•	5	5	5	5	ጀ
Anaphthalene         10         U1	Methylmethanesulfonate	•	5	ñ	, ,	ñ	NR
typiamine         1         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	2-Methylnaphthalene	91	5	5	5	ñ	Z
Opposition         S         UI	1-Naphthylamine	•	5	5	5	ā	NR
unline         59         UI         UI <th< td=""><td>2-Naphthylamine</td><td>•</td><td>5</td><td>5</td><td>ה</td><td>5</td><td>NR</td></th<>	2-Naphthylamine	•	5	5	ה	5	NR
solution         50         UI         <	2-Niroaniline	8	5	5	5	5	MN
10   11   12   13   14   15   15   15   15   15   15   15	3-Niroaniline	ጽ	5	5	ā	5	~XX
ood/fine bundamine         1         UI	4-Nitroaniline	ጻ	5	5	5	ñ	N.
oxyliperidise         .         UI         UI         UI         UI           blordcentrate         .         UI         UI         UI         UI         UI           sin         .         UI         UI         UI         UI         UI         UI           sin         .         .         UI         UI         UI         UI         UI         UI           did         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .	N-Nitroso-d?n-butylamine		5	in	5	in	YK .
Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconposition   Deconpositio	N-Nitrosopiperidiene	•	10	ก	ົລ	5	ž
Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Interpretation   Inte	Pentachlorobenzene	•	5	5	5	n	ž
He classes   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color	Pentachloronitrobenzene	•	ñ	ij	ō	õ	Ż
Decide   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Col	Phenacetin	•	5	ij	5	ອ	Z
	2-Picolíne		5	5	5	5	Z
Petrachlorobenzene   1	Pronatalde		5	5	5	5	Ż
11   11   11   11   11   11   11   1	1,2,4,5-Tetrachlorobenzene		5	5	Ð	5	ž •
Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horeing To the Horein	Alpha-BIIC	•	5	5	5	ភ	ž
1C         20         UI         UI<	Gamma-BifC		5	5	ä	5	Ż
thort         10         UI	Bets-BHC	ឧ	5	<b>5</b>	5	5	Ż
	Heptachlor	10	5	ភ	5	ອ	Ž
10	Delta-BilC	15	5	'n	ñ	5	ž
Asside 10 UI UI UI UI UI UI UI UI UI UI UI UI UI	Aldrin	10	5	5	5	ā	Ż
15 G G G G G G G G G G G G G G G G G G G	Heptachlor Epoxide	10	5	5	ö	5	Ž
15 GG GG GG GG GG GG GG GG GG GG GG GG GG	Endosultan I		5	5	5	5	Ż
36 GE GE GE GE GE GE GE GE GE GE GE GE GE	Dieldrin	15	5	5	ñ	5	ž
History 25 Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Com	4,4.DDE	39	5	5	5	5	Ž
15 U U U U U U U U U U U U U U U U U U U	Endrin		5	S	5	5	Z
15 UII UII UI UI UI UI UI UI UI UI UI UI U	Endosulfan II	•	5	5	ö	ñ	ጀ
25 U. U. U. U. U. U. U. U. U. U. U. U. U.	4,4°DDD	15	5	ä	in	5	Ż
de	4,4.DÖT	23	5	5	i	5	Ž
de	Endosulfan Sulfate	8	Đ,	ñ	ä	ñ	Ž
	Endrin Aldehyde	•	5	5	ö	5	ጀ
	Endrin Ketone	•	5	5	ñ	5	Z
	Chlordane	8	ລ	ລ	5	ij	Ź
	Methoxychlor	•		=	=		2

Table L.9 Site 3 - Surface Water Page 5

	Method	Location/QC No.: Date Sampled:	8.3%.6°	SI.9	SL10	SL10 DUP 9-26-88	SC10 FB
Parameter and Analysis Method		Field Sample No.	DANGB-3-SL&-SW-1 85022807	DANGB-3-SL9-SW-1 880)2772	DANGB-3-SLI0-SW-1 88092767	DANGB-3-SL28-SW-1 88092765	DANGII-FIII9
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3	EPA 625) Cont	ined page 3					,
Aroclor-1016	8		ñ	5	5	ñ	NR
Aroclor-1221	8		5	5	ñ	5	N.
Aroclor-1232	8		ñ	5	5	5	ä
Aroctor-1242	8		ö	5	ī	5	ž
Aroclor-1248	8		50	5	5	5	ž
Aroclor-1254	8		ສ	5	5	ö	AN
Aroctor-1260	8		ñ	5	õ	5	EX
2-Chlorophenol	01		ñ	5	5	ລ	Y.
2-Nitrophenol	02		ö	5	5	5	Ä
Phenol	9		ö	5	ä	ñ	₩ N
2,4-Dimethylphenol	9		ij	in	in	5	an an
2.4-Dichlorophenol	9		5	5	5	5	N.
2,4,6-Trichlorophenol	9		ñ	5	5	ñ	¥Z
4-Chloro-3-methy!phenol	8		5	ñ.	'n	ñ	N.
2.4-Dinitrophenol	8		ö	5	5	in	AN.
2,6-Dichlorophenol	•		ñ	10	5	5	Ä
2-Methyl-4,6-dinitrophenol	ጻ		5	5	5	ລ	N.
- Pentachlorophenol	8		5	5	5	ລັ	N.
4-Nitrophenol	8		ö	5	5	in	NR
Benzoic Acid	8		ñ	50 .	õ	ö	¥N
2-Methylphenol	01		5	5	5	ñ	Ř
3&4-Methylphenol	01		5	5	5	5	HZ.
2.3.4.6-Tetrachlorophenol	•		5	5	5	5	NR
2,4,5-Trichlorophenol	01		ö	5	5	ភ	NR

10 1.9 23 - Surface Water

[minister]

	Method Detection Limit	Location/OC No.: Date Sampled: Field Sample No.:	SL8 9-26-83 DANGB-3-SL&-SW-1	SL9 9-26-88 DANGB-3-SL9-SW-1	SL10 9-26-88 DANGB-3-SL10-SW-1	SL10 DUP 9:26 88 DANGB-3:SI.28:SW-1	SL.10 FB 9-26-88 DANGIL-FB19
Parameter and Analysis Method		Lab Sample No.:	88072807	88002772	19170088	880927(5	88092774
PESTICIDES AND PCIP* (EPA 8080)	_						
Data Package			13	13	74	13	
Aldrin	0.03		כ	מ	כ	Ω	N.
Alpha-BilC	500		n	ח	ח	מ	NR
Beta-BHC	0.05			ב	מ	ם	ž
Delta-BHC	0.05		ם	מ	ח	מ	ž
Gamma-BIIC	0.05		n	ם	n	מ י	¥.
Chlorodane	0.5		ם י	n	: ב	: כ	ZZ :
4,4".DDD	0.10		<b>&gt;</b> :	D :	<b>&gt;</b> :	<b>&gt;</b> :	ž
4.4.DDE	0.10		<b>&gt;</b> :	D:	<b>:</b>	<b>:</b>	ž
4.4DDT	0.10		<b>&gt;</b> :	<b>&gt;</b> :	o:	<b>)</b>	ž
Dieldrin	0.10		<b>:</b>	<b>:</b>	<b>:</b>	o :	ž
Endosulian I	9 5		<b>.</b>		כ כ	2	Z Z
Encosulanti	2 5		> =	) =	> =	=	ž ž
Endosuman Sumate	9 5		> =	> =	==	> =	ž ž
Findin Aldebode	2 5		) <b>=</b>	=		· ¬	ž
Hensellor	900			ממ	<b>&gt;</b>	• •	ž
l'entachlor Epoxide	800		•	<b>a</b>	n	· >	ž
Kepone	0.10		ב	n	כ	Ω	ž
Methoxychlor	0.5		n	n	n	Ω	Ä
Toxaphene	1,0		a	ם	n	Þ	ž
PCB-1016	0.5		n	ם	<b>&gt;</b>	<b>ɔ</b> :	X
PCB-1221	0. S		<b>&gt;</b> :	<b>D</b> ;	<b>:</b>	<b>&gt;</b> :	ž :
PCB-1232	50 5		<b>&gt;</b> :	) :	<b>&gt;</b> :	<b>-</b>	ž
PCB-1242	5 5		<b>&gt;</b> :	<b>-</b>		<b>?</b> =	¥ GX
PCB-126	3 :		<b>&gt;</b> =	=	> =	> =	ar ar
PCB-1260	3 9		<b>&gt; &gt;</b>	5	ממ	5	N. N.
TOTAL PETROLEUM HYDROCARBONS	BONS (EP	(EPA 418.1)					
Data Package	•		#3	. 13	14	#3	
Units: mg/L	01		1.5	ם	D	ם	N.
METALS (Units ma/L)							
( Z			•	\$	\$		
Data rackage			7.	74		\$	i,
Arsenic (SW 7000)			(0.0)	10:0>	100>	ž	ž
Banum (SW 6010)			7.00	7.00	7000	a a	2 2
Cadmium (SW /131)			1000	1000	1002	X X	ž.
Chromium (5 W 1191)			50.05 50.05	5000>	\$000>	ž	ž
Mercury (SW 7470)			<0.0002	<0 0002	<0.0002	NR	NY.
SPECIFIC CONDUCTANCE			•		•	***	2
hits: mS/cm @ 25 C			0.500	0.628	AOY O	6000	
TEMPERATURE (EPA 170.1)			;	;			i
Units: C			13.0	. 139	12.7	171	ž
pH (EPA 150.1)			56	, L. Y	429	(4.7)	ž
Units: pH Units			CMA	7/'0	100	4350	

Table L.9 Site 3 - Surface Water Page 7 DUP Duplicate.

Data Package # Numbers refer to Data Packages in Appendix M.
Fig. Field blank.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample.

NR The analysis was not requested.

Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

I The holding time was missed for this analysis. See Appendix N.

Less than.

The EPA has not yet reported on a method detection limit for this parameter.

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## TABLE L-10 SITE 3 MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA

## SUMMARY OF CHEMICAL ANALYSES FOR SEDIMENT SAMPLES (Results in micrograms per kilogram unless otherwise noted.)

£ 8	궃 8l		ន	ם	Þ	2	<b>5</b>	ם	כ	<b>5</b>	Þ	<b>=</b>	<b>D</b> :	<b>&gt;</b> :	<b>=</b> :	<b>)</b> :	<b>&gt;</b> =	, 5	· >	ם	n	ב	ם	ם	ລ	ב	∍	Þ	⊃	n	<b>=</b>	<b>-</b>	<b>&gt;</b> :	<b>o</b> :	<b>o</b> :	<b>&gt;</b> :	<b>5</b> ;	ב	Þ	<b>&gt;</b>	<b>5</b>	Þ
SL10 DUP 9.26-88	DANGB-3-SL28-SD-1 8892802		•																												## T											
S1,10 9-26-88	DANGB-3-5L10-51>-1 88092803	•	121	ם	ב	n	n	Ð	ם	ב	۵	<b>D</b>	<b>&gt;</b> :	<b>o</b> :	<b>:</b>	<b>:</b>	2 =	.5	ם	מ	n	n	ח	ລ	ח	n	מ	n	כ	כ	37 13	<b>-</b>	<b>5</b> :	<b>D</b> :	<b>&gt;</b> :	o ;	<b>&gt;</b> :	ם	ם	ם	כ	n
SI.9 9.26-88	DANGB-3-51.9-5D-1 88092804		124	ם	n	״כ	כי	5	Ω	מ	Ω	Þ	<b>5</b> ;	<b>;</b>	<b>&gt;</b> :	<b>-</b>	9 5	, <b>2</b> )	ם	⊃	2	D	ח	<b>5</b>	ח	ח	5.6	ם	16	ם	3613	<b>5</b>	<b>D</b> :	<b>&gt;</b> :	> ;	73	240	Þ	ם	ם	>	n
SL8 9-76-88	DANGU-3-SL8-3(9-1 88092805		7.7	ם	כ	ם	<b>¬</b>	Ω	Þ	Þ	<b>:</b>	<b>5</b>	<b>&gt;</b> :	<b>:</b>	<b>:</b> c	) <u>:</u>	<b>.</b>	, <b>D</b>	Þ	n	<b>3</b>	ם	ם	מ	ם	n	ם	ב	<b>5</b>	ວ	# R	<b>&gt;</b> :	<b>o</b> :	<b>)</b>	<b>&gt;</b> :	<b>&gt;</b> ;	<b>)</b>	<b>5</b>	ח	Ð	מ	D
Well/OC No.: Date Sampled:	Field Sample No: Lab Sample No:																																									
Method	Limit	i		0.50	80	80	050	0.10	0.20	7	C.12	200	Soo	Q C	0.52	3 2	200	800	5.0	050	600	050	0.15	0.32	0.24 0.24	1.8	0.07	0,03	0.13	0.10	\$2.0	HOTO !	ਸ ਹ	500	80	SULO SULO SULO SULO SULO SULO SULO SULO	SOO.	0.02	0.12	%	0.50	0.18
	Parameter and Analysis Method	LATILE ORGANICS (SW R010)	Data Pactage	Benryl Chloride	Bis(2-chloroethoxy)methane	Dis(2-chlomicopropy1)ether	Bromobenzene	Bromodichloromethane	Вготобота	Bromoethane	Carbon Tetrachloride	Chloracetaldehyde	Chloral	•	Chlorocthane	•		Chlo. Jmethane	Chloromethyl Methyl Ether	Chlorotoluene	Dibromochloromethane	Dibromoethane	1.2.Dichkorobenzene	1.3.Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1.2-Dichloroethane	I,I-Dichtoroethene	Trans-1,2-Dichlorocthene	Dichloromethane	I.Z-Dichloropropane	1.3-Dichlompropylene	1,1,2,2-1 cirachlorochane	1,1,1,2-1 cirachlorochane	l citachlorochene	tei,i-i nchlorocthane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	Trichloropropane	Vinyl Chloride
														I		13	2																									

Table L-10 Site 3 - Sediment

						,
	Method	Well/QC No. Date Sampled;	SL8 9.26.88	SL9 9.26-88	St.10 9-26-88	SL10 DUP
	Limit	Field Sample No.	DANGB3-SL&SD-I	DANGB-3-SL9-SD-1	DANGB 3-SL9-SD-1 DANGB 3-SL10-SD-1	DANGB-3-SL
Parameter and Analysis Method		Lab Sample No.:	84092805	88002804	88092803	88092802
AROMATIC VOLATILE ORGANICS (SW 8020)	ICS (SW 8020)	,				
Data Package			7.	124	77.	124
Вепгепе	0.2		n	ם	ם	מ
Chlorobenzene	0.2		ב	ם	ח	n
1,2.Dichlorocenzene	70		n	ב	ם	n ,
1,3-Dichlorobenzene	2		D	ס	ם	Ω
1,4-Dichlorobeniene	03		ם	ם	ם	D
Ethyl Benzene	0.2		ם	ם	כ	ח
Tolese	07		ב	ם	<b>,</b>	מ
Total Xylenes	70		ב	כ	<b>¬</b>	ם

Table L-10 Site 3 - Sediment Page 3

			}			io a stro
	Detection	Date Sampled:	9-26-88	9.26-88 0.04 NGB 2.51 G CD 1	9-26-88 DANGE 2 CT 10 CD 1	9-26-88
Parameter and Analysis Method		Lab Sample No.	8802805	88002804	88072803	8807802 8807802
SEMI-VOLATILE ORGANÍCS (ŞW 2270)	(wz					
Data Package			121	*2*	*2*	124
1.3-Dichtorobenzene	330		כ	D	n	U
1,4-Dichlorobenzene	330		n	ח	n	ח
Hexachloroethane	330		כ	ם	n	n
Bis(2-chloroethy1)cther	330		ם	n	ח	n
1,2-Dichlorobenzene	330		ם	מ	n	ם
N-Nitrosodimethylamine	330		ם	n	D	n
Bis(2-chloroisopropy1)ether	330		Ω	Þ	ם	D
N-Nitrosodi-n-propylatnine	og G		Þ	л	Ω	D
Hexachlorobutadiene	339		D	מ	n	n
1,2,4-Trichlorobenzene	330		n	ם	n	n
Nitrobenzene	88		ם	ם	ם	D
Isophorone	33		ב	ם	D	D
Naphthalene	330		ם		מ	ם
Bis(2-chloroethory)methane	330		ם	Ð	כ	מ
2-Chloropaphthalene	333		ס	ם	n	מ
Hexachlorocyclorentadiene	330		ם	ח	ם	· >
Acenaphthylene	330		D	מ	5	Ω
Acceptitions	330		· D	ם י		כס
Dimethyl Phthalate	330		ח		ח	י ח
2,6-Dinitrotolvene	330		ח		מ	ח
Fluorene	330		כ	D	ח	ם
2,4-Dinitrotoluene	330		a	ח	Ω	D
Diethyl Phthalate	330		ם	ם	ם	2
N-Nitrosodiphenylamine	330		D	ם	ם	D
Hexachlorobenzene	330		ם	ם	D	מ
Phenanthrene	330		ם	à	Þ	ם
Anthracene	330		ם	ם	ב	ם
Dibutyl Phthalate.	330		n	ב	Ð	ם
Fluoranthene	330		ם	ם	n	
4-Chlorophenyl Phenyl Ether	330		ח	n	n	n
Pyrene	330		Ω	ח	D	n
Butyl Benzyl Phthalate	330		ח	ב	ם	ם
Bis(2-ethylbexyl)phthalate	330		330	16	מ	מ
Christin	8		=	2 =	) <b>=</b>	, 5
4. Dromonhenyl Phenyl Cibes	S		=	=	: =	=
Tonso(a) mithancene	25		> =	=	> =	÷ =
Will and debited by	3 6		=	2	> =	· =
Dish Typhinaisic	3		o ;	<b>&gt;</b> :	: כ	<b>;</b>
Benza b) fluoranthene	SE !		<b>)</b>	<b>-</b> :	<b>&gt;</b> :	Э;
Benzo(k)fluoranthene	330		<b>-</b>	D	o,	D
Benzidine	2000		Þ	Þ	ם	ο.
3.3.Dichlorobenzidine	93		Þ	ם	Þ	D
Benzo(a)pyrene	330		⊃	ם	Ð	Ð
Indeno(1,2,3-cd)pyrene	330		ລ	>	n	Ω
Decazo(a,h)anthracene	330		ם	ם	ם	ם
	S		=		=	

Table L-10 Site 3 - Sediment Page 4

	Detection	Date Sampled:	0.27.88	~ · ·	******	4114
	Ē	Field Comple No.	DANGR.3.SI 8.SD.1	DANGR.3.CLO.CD.1	9.26-88 DANGB 3 CT 10 CD 1	88-92-6
Parameter and Analysis Method		Lab Sample No.	89032805	88072804	R8092803	8092802 8092802
SEMI-VOLATILE ORGANICS (SW 8770) Continued page 2	8270) Continued	page 2	*			
	,		:	•	•	:
Action	• •		<b>&gt;</b> =		<b>&gt;</b> :	) :
A.A. minches beard	•		<b>.</b>	<b>&gt;</b>	<b>)</b>	<b>:</b>
4. Orlowerships	' "		<b>-</b>	o :	<b>)</b>	<b>:</b>
- profosmune	8		o :	<b>-</b> :	<b>)</b> ;	<b>o</b> ;
1-Culoronaly musicine	• :		o :	<b>-</b> :	<b>&gt;</b> :	<b>:</b>
Decaronaran	3		<b>:</b>	<b>)</b>	<b>&gt;</b>	<b>&gt;</b> :
p-Dimethylaminoazobenzene	•		ב ב	<b>D</b>	Ω	<b>D</b>
7,12-Dimethy Denz(a) anthracene	•		ח	5	Þ	<b>D</b>
9-, Dimethylphenethylamine	•		ב	a	ם	ח
Diphenylamine	•		ם	<b>&gt;</b>	ם	n
1,2-Diphenylhydrazine	•		ח	<b>5</b>	ם	2
Ethylmethanesulfonate	•		ח	ב	ח	כ
3-Methylcholanthrene	•		ם	מ	<b>=</b>	2
Methylmethanesulfonate	•			2		=
2.Methylpaphthalene	330		=	· =	=	=
1.Naphthylamine	•		=	=	=	=
2.Nephthylamine	•		· =		=	
2:Nitmanihoe	1600			,	> =	=
- Nilingariya	1001		=	=	=	=
4-Nitmaniline	00)			-	=	=
N.Nitroso-di-p-butylamine	•		=	=	=	> =
N-Nitrosopperidiene	•		· =		=	
Pentachlorobenzene	•		כ	· >		, 5
Pentachloronitrobenzene	•		ב	,	D	ֹם
Phenagetin	•		מ	7		n
2-Picoline	•		מ	=	. =	
Propagido	•		: 53	2	=	· =
1.2.4.5-Tetrachloreitene	•		מ	=	· =	
Alaba-Rife	•		=	=		) =
Gama-HIC	•		> =		=	
Beta-BifC	99		· =	=	=	
Henderblo	930		=	=	=	· =
Orla-MIC	8		· =		, =	
Aldrin	8		=	=	=	
Handachlee Convide	£			) =		) <u>=</u>
richaethor rhanne	3		ב כ	o :	<b>)</b>	
Exicosulati I	. 8		. :	<b>&gt;</b> :	·	·
Dieldnii	8 8		> =		<b>)</b>	
300:31	331		<b>.</b>	<b>&gt;</b> ;	<b>)</b>	<b>)</b>
Endrin	•		<b>&gt;</b> :	<b>)</b>	<b>D</b> :	<b>o</b> :
Endosultan II	•		5	•	0	>
44'.DDD	8		5	D	Đ	2
4,4-DDT	8		<b>&gt;</b>	D	ם	2
Endosulfan Sulfate	1000		ם	כ	Þ	D
Endrin Aldehyde	•		ם	ם	Ω	ח
Endrin Ketone	•		ח	ח	D	U
Chlordane	2000		Þ	ם	ם	n
Methorsphlor			;	•		
	•		_	5	=	=

Table L-10 Site 3 - Sediment Page S

	Method	Well/QC No.:	SL8	อร	SCIO	SI,10 DUP
	Detection	Date Sampled:	9-26-88	9.26-88	9-26-88	9.26-88
	Limit	Field Sample No.:	DANGII-3-SL8-SD-1	DANGB-3-SL9-SD-1	DANGB-3-SL10SD-1	DANGB-3-SL28-SD-I
Parameter and Analysis Method		Lab Sample No.	29072805	88092804	88092803	88072802
SEMI-VOLATILE ORGANICS (SW &270) Continued page 3	270) Continued	page 3 ,				*
	802		ם	ם	n ,	Ð
	2000		ם	ח	ם	_
	2000		D	ב	<b>a</b>	
	2000		>	ם	ם	3
	2002		Þ	ם	7	2
	2000		Þ	כ	2	_
	2000		ב	<b>&gt;</b>	n	_
	330		ב	ם	ם	ס
	330		Đ	מ	ם	כ
	330		ם	D	כ	Ð
2,4.Dimethylphenol	330		ם	ם	ח	ב
2,4-Dichlorophenoi	330		ב	ב	ם	Ð
2,4,6-Trichlorophenol	330		Þ	ם	D	<b>&gt;</b>
4-Chloro-3-methylphenol	93		D	D	כ	Ð
2.4-Dinitrophenol	2001		D	ם	>	כ
2,6-Dichlorophenol	•		ב	כ	D	ם
2-Methyl-4,6-dinitrophenol	1600		כ	כ	ם	ח
entachlorophenol	1600		ב	ם	5	•
	1600	•	מ	ם	D	ב
	1600		ם	ם	>	ם
	330		מ	5	D	ם
3A4-Methylphenol	330		ם	כ	2	_
2.3.4.6-Terrachlorophenol	•		ח	ם	<b>D</b>	,
2.4.5-Trichlorophenol	33		ס	ם	n	2

Table L-10 Site 3 - Sediment Page 6

1

	Method	Well/OC No.:	SIS	SIS	SUIO	SCI3 DUP
	Detection Limit	Date Sampled: Field Sample No.	9-26-88 DANGIB-3-SLR-SD-1	9.26-88 DANGR-3-SI,9-SD-1	9-26-88 DANGB-3-SL10-SD-1	9-26-88 DANGB-3-SI 28-SD-I
Parameter and Analysis Method		Lab Sample No.	88092805	88002804	R4092803	R8072R02
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	3BONS (EPA 418	9				
Data Package			*2*	72	17.4	124
Unite; mg/kg	8		2000	110	150	170
MOISTURE						
Data Padcage			124	121	124	75.
Units: weight percent			18.5	13.4	12.6	4.11
METALS (Unite mg/kg)						
Data Package.			121	121	121	124
Arsenie (SW 7000)			V 02200.0>	<0.00130 U	. <00014 U	C 6,00013 U
Barium (SW 6010)			53.7	8	390	4
Cadmium (SW 7131)			4.4	> 0.00	19'0 >	<i>L</i> ý'0 >
Chromium (SW 7191)			.948	* A12	22.9 •	15.6
Lead (SW7421)			478	63.5	20.2	6.1
Mercury (SW 7471)			85000'0	V £1000.0>	<0.00013 U	<0,00013 U

DUP Duplicate.

Data Package # Numbers refer to Data Packages in Appendix M.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample. For metals

analyses, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Limit.

U Underected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

* Duplicate not within control limits.

< Less than.

- The EPA has not yet reported on a method detection limit for this parameter.

## TABLE L-11 SITE 3 MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR SOIL SAMPLES

## (Results in micrograms per kilogram unless noted otherwise.)

Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Precision   Prec		Method	Location/QC No:	SGAO	SGAI	SGA2	SGA3	86.08	9120 7000	3400	1
Part   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication   Supply Delication		Detection	Sample Depth, (ft):	0.5	0.5	0.2	6.0	500	100 MOS	cyne ,	HOS.
Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participatio		Limit	Sample Date:	8168	8-16-88	2.14.88	00 75 00	750	20 0	7.0	0.5
Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle   Particle			Field Samule No.:	DANGE 3.SG.A0	DANCE 3.8G.A.	03016 03018 03018 03018 03018 03018	89-01-6	88414	8-17-88	8-17-88	8.91.8
Interchafter   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   Comparison   C			Lab Sample No.	88081902	88081955	65618088 88081959	50-05-5-00-00 F618088	DANGIR-3-5G-A4 8C081904	DANGB-3-SG-A4 88081945	DANGB-3-5G-A1 88081946	DANGB-3-SG-B1 88081903/
Description contents   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color	Farameter and Analysis Methe	2		88081900							19618089
December   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   C	IMLOGENATED VOLATILE	3 ORGANICS (S	W 8010)								
Rig Clashed control         6.9         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Data Package			153	154	χ.*	IS.	¥18	33.	. 3	5
	Benzyl Chloride	0.50		מ		=	=	: =	•	:	3.
Inter-debte	Bis(2-chloroethoxy)methane	5.0		· >	=	> =	> =	) :	<b>-</b> :	<b>-</b> :	<b>D</b> :
	Bis(2-chloroisopropy1)ether	80		· >	=	) =	<b>)</b>	> :	<b>-</b> :	<b>&gt;</b> ;	<b>D</b> ;
	Bromobenzene	050		· >	) <b>&gt;</b>	> =	o =	ה ב י	<b>&gt;</b> =	<b>-</b> :	<b>)</b>
Demonstration	Bromodichloromethane	0.10		Ð	=	> =	> =		· :	<b>)</b>	<b>:</b>
Check-relaboled 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Вготобот	070		ם	כי	ככ	o =	) <u>=</u>	o =	ם כ	<b>⊃</b> :
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Chilosectidelyde (2009)         39.0         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U </td <td>Carbon Tetrachloride</td> <td>0.12</td> <td></td> <td>ם</td> <td>a</td> <td>) <b>&gt;</b></td> <td>) =</td> <td>&gt; =</td> <td>o =</td> <td><b>&gt;</b> =</td> <td><b>:</b></td>	Carbon Tetrachloride	0.12		ם	a	) <b>&gt;</b>	) =	> =	o =	<b>&gt;</b> =	<b>:</b>
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Chichocritation	_	0.25		ם	· D	· =	=	> =	<b>&gt;</b> =	<b>&gt;</b> =	) :
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9f Ehler         0.13         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U <th< td=""><td></td><td>050</td><td></td><td>ם</td><td>· &gt;</td><td></td><td>=</td><td></td><td>3 =</td><td>7 =</td><td>20.5</td></th<>		050		ם	· >		=		3 =	7 =	20.5
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thy Ether 5.0  10.59  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  10.50  1	Chloromethane	80'0		כ	ņ	· =	) =	) =	=	) =	<b>:</b>
Color	Chloromethyl Methyl Ether	20		מ	מ	2 3	=	2	> =	> =	
Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Comp	Chlorotoluene	050		ם	כי	· >	<b>&gt;</b> D	> =	=	> =	) <u> </u>
1.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50   0.50	Dibromochloromethane	60'0		n	D	ġ	ם י	) D	) D	) =	=
1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0   1.0	Dibromomethanc	050		מ	n	מ	5	5	· >	) D	=
1.5	1.2-Dichlorobenzene	0.15		ם	ם	n	ם	<b>-</b>	; <b>&gt;</b>	ם י	2
1,8	1,3-Dichlorobenzene	032		n	כ	Ω	ח	n	ח	-	• >
1.8	1,4-Dichlorobenzene	57		ລ	n	n	ח	Ω	ם	מ	Ď
te 0.037  to contact 0.037  to contact 0.033  to contact 0.034  to contact 0.034  to contact 0.034  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to contact 0.035  to	Dichlorodifluoromethane	81 5		<b>D</b>	ם	D	ם	n	D	ם	Č
te 0.033 U U U U U U U U U U U U U U U U U U	i,i-Dichlorocinane	0.07		ם	ח	מ	n	ם	Ð	ם	כ
c         0.13         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	1,2-Denioroethane	50.0		: c	ב	כ	n	n	Þ	Ω	n
the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the c	Tracel 2 Distinguished	0.13		<b>&gt;</b> :	n :	<b>&gt;</b>	ם	5	Þ	Ð	n
net         0,22         34 lb         88 lb         20 lb         12 lb         55 lb           net         0,34         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U <t< td=""><td>D'ATTACA ATTACA ATTACA</td><td>0.10</td><td></td><td>ָר ה י</td><td><b>D</b></td><td>Þ</td><td>Þ</td><td>ח</td><td>Þ</td><td>Đ</td><td>&gt;</td></t<>	D'ATTACA ATTACA ATTACA	0.10		ָר ה י	<b>D</b>	Þ	Þ	ח	Þ	Đ	>
the 0.34 U U U U U U U U U U U U U U U U U U U	12 Dichlomores	9 8		3415	8.8 11	2013	258	12 B	5.5 B	25 B	5.7 B
techane 0.034 U U U U U U U U U U U U U U U U U U U		3 6		<b>&gt;</b>	<b>&gt;</b>	<b>D</b>	<b>&gt;</b>	n	Þ	<b>-</b>	Þ
vertage         Q0.03         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U <th< td=""><td>1.3-Dichloropropylene</td><td>7, 0</td><td></td><td>n</td><td>כ</td><td>ח</td><td>ח</td><td>ם</td><td>ם</td><td>n</td><td>n</td></th<>	1.3-Dichloropropylene	7, 0		n	כ	ח	ח	ם	ם	n	n
tethane 050  0.03  0.03  0.04  0.05  0.05  0.05  0.07  0.07  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08  0.08	1.1,2,2-1 effachioroethane	6.03		D	ם	D	Þ	כ	n	Þ	ב
0.03 U U U U U U U U U U U U U U U U U U U	1,1,1,2-Tetrachloroethane	950		ה	Þ	D	ם	ח	9	ם	ם
ine 0.03 U U U U U U U U U U U U U U U U U U U	Tetrachloroethene	0.03		ם	D	n	ח	n	ס	n	<b>5</b>
thane 002 U U U U U thane 0.50 U U U U U thane 0.50 U U U U thane 0.50 U U U U thane 0.50 U U U U thane 0.50 U U U U thane 0.50 U U U U	1,1,1-Trichloroethane	0.03		ם	n	n	ם	n	ם	n	Ω
0.12 U U U U U U U U U U U U U U U U U U U	1,1,2-Trichloroethane	005		ח	n	ם	ם	ר	ח	ם	Ď
thane 0.50 U U U U U U U U U U U U U U U U U U U	Trichloroethene	0.12		ח	n	כ	D	n	n	Þ	5
0 00 0 0 0 0 00 00 00 00 00 00 00 00 00	Trichlorofluoromethane	050		5	O	D	Ð	n	<b></b>	<b>•</b>	· ⊃
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trichloropropane	050		ח	ם	n	ח	n	n	ם	Ω
	, Vinyl Chloride	0.18		n	n	ב	ח	ם	חַ	ם	D

fable L-11

Pacceine   Sample Depth, (C)   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine   Pacceine		Method	Location/OC No:	SGB2	SGIB	8900	SGCI	SGC2	SGCS	SGC	SGCR
Limit   Field Stample Date   247.58   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68   247.68		Detection	Sample Depth, (n):	0.2	0.5	0.5	0.5	0.5	0.5		
Field Sample No.2   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-GG-170   PANGID-13-		Limit	Sample Date:	. \$-17.88	.8-16-88	8-16-88	8-16-88	8-16-88	8-16-88	83	9-27-88
OLATILE OR CANICS (SW 2010)         #54         #18         #54           VOLATILE OR CANICS (SW 2010)         #54         #18         #54           Marchane         5.50         U         U         U           Apple ber         5.50         U         U         U           Apple ber         5.50         U         U         U           Apple ber         5.50         U         U         U           Ber         0.12         U         U         U           Co         0.02         U         U         U           So         0.02         U         U         U           Apple ber         0.03         U         U         U           Co         0.03         U         U         U			Field Sample No.:	DANGB-3-SG-B2 88081949	DANGB-3-8G-B3 88081905	DANGB-3-5G-C0 88081956	DANGB-3-SG-C1 88081957	DANGB-3-SG-C2 82081901/	DANGB-3-SG-C3 89081958	DANGB-3-SGC4-SG1	DANGB-SGC4-SG1R 8892782
VOLATILE ORGANICS (SW 8010)         754         718         754           mentlane         0.50         U         U         U           mentlane         5.0         U         U         U           sylculor         0.50         U         U         U           same         0.12         U         U         U           same         0.12         U         U         U           same         0.20         U         U         U           same         0.12         U         U         U           same         0.20         U         U         U           same         0.25         U         U         U </th <th>Parameter and Analysis Method</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>88081962</th> <th></th> <th></th> <th></th>	Parameter and Analysis Method							88081962			
15   15   15   15   15   15   15   15	HALOGENATED VOLATILE	ORGANICS (S	:W 8010)								
10   10   10   10   10   10   10   10	Data Package			3	<b>418</b>	3	35.4	153	15.4	<b>№</b> 46	\$2.4
10   10   10   10   10   10   10   10	Benzyl Chloride	050		n	ם	ם	ם	5	n .	Þ	ם
yelber 5.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0 but of 2.0	Bis(2-chloroethoxy)methane	So		ר	ב	ם	n	כ	· D	Ð	<b>ə</b>
0.59   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40   0.40	lis(2-chloroisopropyl)ether	σs		n	P	D	Ω	ם	n	n	כ
bane 0.00  1.2  2.6  2.0.2  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.0.0  3.	Jromobenzene	050		Þ	n	n	n	D,	ū	ם	_
1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2   1.2	Iromodichloromethane	0.10		n	ח	D	ລ	n	מ	n	a
12   12   12   12   12   12   12   12	3remoform	0.20		n	ם	ם	n	ם	U,	D	5
the 0.12	Iromoethane	17		ח	ח	n	n	n	ם	ח	כ
500         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0	arbon Tetrachloride	0.12		ם	a	Ú	n	n .	n	ם	<b></b>
500   0   0   0   0   0   0   0   0	Thoracetaldehyde	20.0		n	Ω	D	n	n	D.	À	
0.25 0.25 0.25 0.25 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	horal	20.0		ם	ח	D	כ	D	Ω	,	2
December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 2005   December 200	hlorobenzene	0.25		מ	D	n	ב	<b>&gt;</b>	ח	n	<u>۔</u>
District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District   District	hloroethane	0.52		כ	ם	Đ	ֹ	ב	Ω	ם	
December   0.50   U	hloroform	50.0		כ	1.1 5	ם	ם	0.2 11	ם	ם	2
Ether   0.13	Chlorohexane	050		n	n	>	5	מ	<b>5</b>	Ď	<b>.</b>
0.08         U         U         U           0.45         0.4         U         U         U           hane         0.05         U         U         U         U           e         0.15         U         U         U         U           e         0.15         U         U         U         U           e         0.24         U         U         U         U           thane         0.07         U         U         U         U           thane         0.13         U         U         U         U         U           c         0.03         U         U         U         U         U         U           thane         0.05         U         U         U         U         U         U         U           thane         0.03         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Chloroethyl, Vinyl Ether	0.13		ם	ח	ב	<b>ɔ</b>	ם	Đ	<b>5</b>	2
The Piece 230 0.00 0.00 0.00 0.00 0.00 0.00 0.00	hloromethane	80°0		<b>D</b> :	<b>ɔ</b> :	<b>&gt;</b> :	<b>:</b>	<b>&gt;</b> :	<b>o</b> :	Þ ;	. ر
thane 0.55  0.50  0.50  0.15  0.24  0.24  0.07  0.07  0.18  0.25  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.25  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10  0.10	hiorometayi sacanyi Eaner	2 2		<b>&gt;</b>	<b>-</b>	> =	<b>-</b> -	o =	) I	) =	
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tick of 12	Зготобогт	0.20		ם	· ⊃	· =	> =	> =		) =	
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97 Ebber         0.59         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U <th< td=""><td>:hloroform</td><td>0.05</td><td></td><td>n</td><td>n</td><td>n</td><td>n</td><td>Ω</td><td>Ð</td><td><b>-</b></td><td></td></th<>	:hloroform	0.05		n	n	n	n	Ω	Ð	<b>-</b>	
912         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0         10.0	-Chlorohexane	0.50		n	٥.	n	D	n	D	ח	_
100         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00	-Chloroethyl Vinyl Ether	0.13		D	ח	Ď	D	7	ם	ם	_
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat	hloromethane	0.08		Ω	ם	n	ם	D	D	n	_
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	horomethyl Methyl Ether	80		ם	ם	Ω	D	ח	n	ח	_
No. 10,00	hlorotoluene	8		י כ	5	ם	n	Þ	Þ	n	-
1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,250   1,25	bromocaloromethane	60.0		ח	n	ם	D	D	>	ס	_
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the 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and 1,55 and	3-Dichiorobenzene	0.32		D ;	D :	<b>n</b> :	<b>¬</b>	n	n	ם	_
te 0.03  c 0.03  c 0.03  c 0.03  c 0.03  c 0.03  c 0.03  c 0.04  c 0.04  c 0.04  c 0.04  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.05  c 0.0	r-Dringlocascene	4 a		<b>)</b>	<b>)</b> :	<b>)</b>	<b>&gt;</b> :	o :	<b>&gt;</b> :	D;	
e 0.03 U U U U U U U U U U U U U U U U U U U	1-Dichloroethane	200		) <b>=</b>	> =	> =	<b>&gt;</b> =	) :	o :	<b>)</b> :	
e         0.13         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	2-Dichloroethane	0.03		ם ס	) <b>&gt;</b>	5	) =		<b>&gt;</b> =	> =	
xifhene         0.10         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	1-Dichloroethene	0.13		ם	ם	5	· >	; D	) <b>)</b>	). <b>D</b>	, _
nc         0.25         U         11 B         13 B         14 B         34 B         15 B         22 B           nc         0.04         U         U         U         U         U         U         U           chack         0.34         U         U         U         U         U         U         U           cthane         0.03         U         U         U         U         U         U         U           inc         0.03         U         U         U         U         U         U         U           inc         0.02         U         U         U         U         U         U         U           thane         0.50         U         U         U         U         U         U         U           thane         0.50         U         U         U         U         U         U         U           thane         0.50         U         U         U         U         U         U         U           0.50         U         U         U         U         U         U         U         U           0.50         U         U	rans-1,2-Dichloroethene	0.10		n	ם	n	כ	n	<b>D</b>	כי	
ne         0.04         13 h         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U<	ichloromethane	0.25		ם	118	138	1.4 B	3.4 18	158	2.2 B.	19'9
tene         0.34         U         U         U         U         U         U           ethanc         0.03         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	2-Dichloropropane	100		13 B	ח	ם	<b>n</b>	Ď	D	D	_
tchane 0.03 U U U U U U U U U U U U U U U U U U U	3-Dichloropropylene	034		ב	n	ם	ם	n	Ð	ם	_
thane 0.50 U U U U U U U U U U U U U U U U U U U	I,2,2 Tetrachloroethane	0.03		ח	ח	כ	ח	D	D	Þ	_
0.03 U U U U U U U U U U U U U U U U U U U	I,I,2-Tetrachloroethane	050		D	ח	n	ח	ח	ס	Þ	
ine 0.03 · · · · · · · · · · · · · · · · · · ·	etrachloroethene	0.03		ח	n	ב	ם	Ω	D	n	_
thane 0.50 U U U  thane 0.50 U U U  U U U  U U U  U U U  U U U	1,1-Trichloroethane	0.03		D	n	Ω	ח	n	Ð	ם	-
0.12 U U U thane 0.50 U U U U 0.50 U U U U	1,2-Trichloroethane	200		ם	ח	n	n	O	Þ	Þ	_
thane 0.50 U U U U U U U U U U U U U U U U U U U	richloroethene	0.12		ם	D	ח	Ω	Ð	n	ם	-
n n n n oso	richlorofluoromethane	050		n	<b>-</b>	Ð	ח	Þ	Ω	ח	_
	richloropropane	0.50		ם	5	כ	n	<b>¬</b>	Ω	ח	_

Table L-11 Site 3 - Soil Page 1D

	Method	Location/QC No:	SCDS	SCIE	SGBI	SGE2	SGES .	SGERI	SGEA	SGE4 DUP
	Detection	Sample Depth, (ft):	0.5	0.2	0.5	0.5	0.5			6.5
		Sample Date: Field Sample No.: I ab Sample No.:	0ANGB-3-SG-DS	0ANGB-3-SG-E0	8-18 83 DANGB-3-SG-E1	8-18-88 DANGB-3-SG-E2 88081972	DANGB-3-SGE3-SG1	DANGB-3-SGE3-SGI DANGB-3-SGE3-SGIA	8-31-88 DANGB-3-SGE4-SG2 8802248	6-31-88 DANGB-3-SGE4-SG1 8-002249
Parameter and Analysis Method			1						1	
HALOGENATED VOLATILE ORGANICS (SW 8010)	ORGANICS (S	W 8010)					-			
Data Package			151	62.1	139	¢£	151	#S1	#46	<b>#</b> 46
Benzyl Chloride	050		ם	n	ב	ח	ם	n	n	ב
Bis(2-chloroethoxy)methane	. 5.0		<b>.</b>	מ	n	ם	D	ם	D	•
Bis(2-chloroisopropyl)ether	5.0		D	>	n	ο .	ם	ח	ם	n
Bromobenzene	0.50		ກ	כ	n	, ,	מ	a	Ω	ח
Bromodichloromethane	0.10		ב	ח	Þ	ם	ח	D	D	ם
Bromoform	0.20		מ	ח	2	D	מ	D	D	ם
Bromoethane	12		ם	n	n	ם	ם	ם	ב	ח
Carbon Tetrachloride	0.12		n	ר	n	ם	D	ח	ם	כ
Chloracetaldehyde	200		n	ם	n	n	ח	n	ח	2
Chloral	20.0		ם	מ	Ω	n	n	n	n	•
Chlorobenzene	0.25		ם	מ	Þ	n	n	ב	n	a
Chloroethane	0.52		ם	כ	n	n	U	5	ב	2
Chloroform	0 05		20	n	n	0.23 B	ם	ם	35	כ
1-Chlorohexane	0 S		Ω	ם	מ	D	ח	2	<b>D</b>	•
2-Chloroethyl Vinyl Ether	0.13		מ	ם	n	ם	ם	ם	ם	<b>¬</b>
Chloromethane	90.0		ם	5	n	ח	D	ם	Þ	ח
Chloromethyl Methyl Ether	5.0		ח	ח	מ	n	<b>&gt;</b>	a	D	<b>&gt;</b> :
Chlorotoluene	જ		<b>&gt;</b> :	<b>ɔ</b> :	ב : ב	י כ	<b>:</b>		<b>:</b>	<b>&gt;</b> :
Dibromochloromethane	60'0		: כ	<b>-</b>	D :	<b>D</b> :	o :	<b>5</b> :	<b>&gt;</b> :	<b>&gt;</b> :
Dibromomethane	950		<b>&gt;</b> :	<b>ɔ</b> :	<b>:</b>	<b>&gt;</b> :	<b>)</b>	<b>&gt;</b> :	<b>&gt;</b> :	<b>)</b>
I.2-Dichlorobenzene	0.15		<b>&gt;</b> :	2;	<b>:</b>	<b>:</b>	<b>)</b>	<b>.</b>	<b>-</b>	
1.3-Dichiorobenzere	032		) :	<b>-</b> -	<b>&gt;</b> ::		) <u> </u>	<b>&gt;</b> =	<b>&gt;</b> =	> =
Dichlomdiffuommerhane	81		> =	> =	o =	<b>&gt;</b> =		> =	) =	•
1 Dichlomethane	200		) <del>=</del>	=	=	> =	, 5	n	ח	ם ה
12 Dichlorocitiane	0.03		· >	5	· 5	ס	5	n	ם	ח
1,1-Dichloroethene	0.13		n	n.	ח	>	n	>	ב	ב
Trans-1,2-Dichloroethene	0.10		ס	⊃	D	ສ	n	Ω	ח	•
Dichloromethane	0.25		5813	14 13	3513	136	5.4 13	8.1 13	.4.6 B	0.SS B
1,2-Dichloropropane	000		n	ח	Đ	D	•	ם	ם	•
1.3-Dichloropropylene	<del>۲</del> 0		ם	ח	ם	ם	<b>5</b>	<b>D</b> .	Þ	<b>&gt;</b>
1,1,2,2-Tetrachlorocthane	0.03		ם	ב	a	D	n	D '	ב ז ז	<b>&gt;</b> :
1,1,1,2-Tetrachloroethane	050		<b>n</b>	<b>.</b>	D	Ω	כ	<b>D</b>	D	<b>&gt;</b> :
Tetrachloroethene	0.03		<b>D</b>	ם	a	<b>D</b>	<b>D</b> :	O :	<b>&gt;</b> :	<b>-</b> :
1,1,1-Trichloroethane	0.03		ב	<b>-</b>	D I	ב י	n :	D ;	<b>:</b>	<b>)</b>
1,1,2-Trichlorocthane	0.02		מ	<b>5</b>	n	n	<b>D</b>	D :	<b>&gt;</b> :	<b>&gt;</b> :
Trichforoethene	0.12		D	<b>-</b>	<b>D</b>	ם	<b>-</b>	<b>&gt;</b>	D :	<b>)</b>
Trichloroffworomethane	050		ח	<b>n</b>	n	D	<b>D</b>	<b>D</b> :	<b>D</b> ;	<b>&gt;</b> :
Trichloropropane	8,0		ם	<b>&gt;</b>	<b>&gt;</b>	<b>¬</b>	>	<b>3</b>	<b>-</b>	>

Table L-11
Site 3 - Soil
Page 1F

Defection   Sample Dejact, (ft): 818-88   Fale Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   DANGB-S45G-49   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejact   Sample Dejac		•				1	
Method Lab Sample Date:  Field Sample No.: Field Sample No.: Field Sample No.:  ATILE ORGANICS (SW 8010)  0.50  hane 5.0  0.20  0.12  0.25  0.25  0.25  0.25  0.25  0.25  0.29  0.29  0.29  0.29  0.29  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30  0.30			6.5	6.0		=	
Field Sample No.2  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)  ATILE ORGANICS (SW 8010)	88 8-17-88	8-17-88	8-16-88	8-17-88	8-17-88	8-56-88	8.76.88
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ATILE ORCANICS (SW 8010)  10.50  11.0  10.10  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20  10.20		1000000	88081900	05618088	88081948	33082146	86082147
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25	s(2-chloroethoxy)methane	80		ח	ם	D	Ω	D	ח	ח	
	s(2-chloroisopropyl)ether	20		n	כ	n	n	Ω	ח	n	•
0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.0000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.0000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.0000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.0000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.0000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.000  0.0000  0.000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0000  0.00000  0.0000  0.0000  0.0000  0.0000  0.0000  0.0	omobenzene	050		ב	כ	כ	Ω	n	D	ב	
10.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20 20.20	unodichloromethane	0.10		ב	n	5	n	מ	ם	Ð	
12.2	omotorm	070		ם	Ω	ם	מ	ח	ם	n	
9.02	omoethane	7		מ	ח	מ	מ	ם	2	Ω	
9.50	ntoon Tetrachloride	0.12		ב	ם	ם	ם	U	Þ	Ω	
	iloracetaldehyde	200		ם	ח	ם	כ	ם	n	מ	
0.53  1. (2.5)  1. (2.5)  1. (2.5)  2. (2.5)  2. (2.5)  3. (2.5)  3. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)  4. (2.5)	loral	80.0		n	ח	ם	ם	ם	ם	a	
	Norobenzene	0.25		ם	ח	ם	כ	,	ם	ŷ	
1. Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con	Moroethane	0.52		ם	Ω	ລ	ח	D	ח	n	
	Joroform	0.05 SO.05		ח	n	Þ	ח	ח	כ	0.24 B	
1.7         50.33         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 </td <td>Chlorohexane</td> <td>050</td> <td></td> <td>ם</td> <td>ח</td> <td>ם</td> <td>ח</td> <td>ם</td> <td>מ</td> <td>n</td> <td></td>	Chlorohexane	050		ם	ח	ם	ח	ם	מ	n	
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05	Shloroethyl Vinyl Ether	0.13		ם	מ	n	D	D	ם	n	
5.50  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00	Noromethane	80.0		ם	ກ	Þ	ח	n	Ð	Ω	
0.59 0.59 0.50 0.50 0.50 0.50 0.50 0.50	nlorografty/ Methy! Ether	SS		ם	Ω	ח	Ω	Ð	D	Ð	
0.09 0.05 0.05 0.05 0.05 0.05 0.05 0.05	lorotoluene	8		מ	n	2	n	ב	ב	<b>D</b>	
0.50 0.52 0.53 0.54 0.55 0.55 0.55 0.55 0.55 0.55 0.55	bromochloromethane	600		<b>&gt;</b>	ח	ב	ם	Ω	ח	ח	
0.15 0.15 0.25 0.24 0.24 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	bromomethane	050		ם	כ	2	Þ	ח	>	D	
0.33 1.8 1.8 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	2.Dichlorobenzene	0.15		ם	ם	מ	מ	ח	ב	Þ	
0.24 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	-Dichlorobenzene	0.32		ם	D	ח	ם	ח	ב	Þ	
1.8	-Dichlorobenzene	0.24		מ	ח	n	ח	ם	<b>ב</b>	Þ	
0.03 0.03 0.03 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	chlorodifluoromethane	1.8		n	ח	מ	מ	Ω	D.	<b>D</b> .	•
0.03 0.13 0.14 0.15 0.15 0.15 0.15 0.15 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.17	·Dichloroethane	0.07		ם	ב	ח	ם	ח	<b>&gt;</b>	ב	
0.13 0.14 0.15 0.15 0.15 0.15 0.17 0.17 0.17 0.17 0.17 0.17 0.17 0.17	3-Dichloroethane	003		ם	ם	מ	D.	ם	כ	Ď	
0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	1-Dichloroethene	0.13		⊃		n	n	ב	>		
0.25 0.25 0.15 0.25 0.17 0.25 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	ans-1,2-Dichloroethene	0.10		ח	5	כ	ח	Û,	n		
0.34 0.34 0.35 0.05 0.05 0.05 0.05 0.05 0.05 0.05	ichloromethane	025		<b>¬</b>	3.0 B	19 B	12 B	3.1 18	2.2 B		7.0 7.0
0.33  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05  0.05	2-Dichloropropane	900		ם	D	כ	ם	ח	ח	ב	
0.03 U U U U U U U U U U U U U U U U U U U	3-Dichloropropylene	034		ם	מ	n	ם	n	ב	₽ P	
• 0.50  • 0.03  • 0.03  • 0.03  • 0.04  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05  • 0.05	1,2,2-Tetrachloroethane	0.03		ב	<b>¬</b>	n	ח	מ	מ	ח	
0,03 U U U U U U U U U U U U U U U U U U U	1,1,2-Tetrachloroethane	05.0		Þ	n	n	n	ņ	Ð.	D	
0.03 U U U U U U U U U U U U U U U U U U U	trachloroethene	0.03		ם	ם	ם	ם	⊋	ם	Ď	
0.02 U U U U U U U U U U U U U U U U U U U	1,1-Trichloroethane	0.03		ລ	n	ם	ב	n	n	<b>5</b>	
0,12 4,4 U U U U U U U U U U U U U U U U U U	2-Trichloroethane	0.02		n	<b>¬</b>	ב	ח	ח	ח	Þ	
0.50 U U U U U U U U U U U U U U U U U U U	ichloroethene	0.12		44	n	n	ח	<b>D</b>	ò	Ď	ŏ
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ichíorofluoromethane	0.50		ם	מ	2	U	ם	2	2	
	ichloronopane			:		•					

L-143

Site 3 - Soil

Part		Method	Location/OC No:	MW29-SS2	MW29-SS3	MW29-SS3 DÜP	MW30-SS1	MW30-SSI DUP	MW30-SS2	MW30-SS3	ISS-IEMW
Limit   Sample Details   Sample Detail   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details   Sample Details		Detection	Sample Depth, (ft):	3	14-15	14-15	·•	5	11.6	14-15	
Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participatio		Limit		8-30-88	8-30-88	8-30-88	8-30-88	8-30-88		88-06-8	
InterCollection Collection Coll	Parameter and Analysis Method			ANGB-3-MW29-SG2 I. 88082197	ANGB-3-MW29.SG3 88082198	DANGB-3-MW29-SG3A 88082199	DANGB-3-MW30-SG1 88082192	DANGB-3-MW30-SG1A 88082193		DANGB-3-MW30-SG3 88082195	DANGB-3-MW31-SG1 88082156
Opp Probability         AS	INCOGENATED VOLATICE O	RGANICS (S	(0108 MS				* *				
December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December	Data Package			151	151	451	151	121	#51	#3I.	42
	Benzyl Chloride	05.0		D	D	D	Þ	n	D	n	
Interoofserize   2.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5	Bis(2-chloroethoxy)methane	20		ם	מ	מ	כ	Ω	ח	D	
Distributione contained   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.5   0.	Bis(2-chloroisopropy1)ether	5.0		ם	Þ	n	כ	n	כ	'n	
Demonstration	Bromobenzene	0.50		D	D	D	Đ	ח	כ	ח	
Demonstration	Bromodichloromethane	0.10		Ω	ם	Ω	ם	n	ח	Þ	
Demonstrate	Вготогот	0.20		n	ח	כ	Þ		n	D	-
Colorestidicipute         0.12         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Bromoethane	12		D	כ	ם	ם	<b>D</b>	n	מ	
Choiceated between   So	Carbon Tetrachloride	0.12	•	D	ם	n	ם	ח	Ð	D	
Chicachester   So	Chloracetaldehyde	800		n	ח		כ	0	ם	D	_
Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine   Colorechine	Chloral	20.0		כ	ם	ם	D	n	2	D	
Observationer (a) 2.2         0.2         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Chlorobenzene	0.25		n	D	ם	D	מ	ם	<b>-</b>	
Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Comp	Chlorocthane	0.52		ם	D	Ω	D	ח	Ω	<b>&gt;</b>	<i>.</i> ₹
Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size type   Color size	Chloroform	900		Ω	Ω	ב	Þ	=	Þ	Þ	_
Color sizety that Data (13)         0.13         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1         0.1		05.0		D	P	D	ם	מ	ב	ם	
Chloot sixthate         0.08         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U		0.13		D	ח	ם	<b>D</b>	n .	: ב	<b>;</b>	
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ne         0.35         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td>Dibromochloromethane</td> <td>600</td> <td></td> <td><b>&gt;</b> :</td> <td><b>&gt; :</b></td> <td></td> <td>9 5</td> <td><b>=</b></td> <td><b>&gt;</b> =</td> <td><b>&gt;</b> =</td> <td></td>	Dibromochloromethane	600		<b>&gt;</b> :	<b>&gt; :</b>		9 5	<b>=</b>	<b>&gt;</b> =	<b>&gt;</b> =	
No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   No. 12   N	Doromomenane	, ,		> <b>=</b>	> =	=	? =	=	-		2
1,3	13-Dichlomberzene	033		D, 🗆	ככ	Þ	כס		) )	מי	, 5
tethane 1,3	14-Dichlorobenzene	022		ם ס	כס	D	כ	ח	ס	ח	
the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the co	Dichlorodiffuoromethane	87		D	D	ב	ח	Ω	ר	<b>D</b> .	
e         0.03         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	1,I.Dichloroethane	0 0 0		<b>D</b> ,	Ω	ח	ם	n	D	ב	_
te 0.13 U U U U U U U U U U U U U U U U U U U	1,2-Dichloroethane	0.03		ח	ח	Ω	Ω	Ω	Ω	a	-
octione         0.10         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	1,1-Dichloroethene	0.13		n	n	n	Þ	<b>D</b>	ח	<b>&gt;</b> :	
0.25         0.57 B         U         0.67 B         1.2 B         1.3 B         U           ne         0.04,         U         U         U         U         U         U           chane         0.03         U         U         U         U         U         U           chane         0.03         U         U         U         U         U         U           ine         0.02         U         U         U         U         U         U         U           thane         0.50,         U         U         U         U         U         U         U         U         U           0.12         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Trans-1,2-Dichloroethene	0.10		D	n	ח	<b>&gt;</b>	ח	_	D :	
ne         0.004,         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U </td <td>Dichloromethane</td> <td>0.25</td> <td></td> <td>0.57 B</td> <td>ם</td> <td>81 L9'0</td> <td>128</td> <td>131</td> <td></td> <td>128</td> <td>8.6</td>	Dichloromethane	0.25		0.57 B	ם	81 L9'0	128	131		128	8.6
tene         224;         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U </td <td>1.2-Dichloropropane</td> <td>0.04</td> <td></td> <td>D</td> <td>ח</td> <td>D</td> <td><b>&gt;</b> :</td> <td>o :</td> <td><b>)</b></td> <td><b>&gt;</b> :</td> <td><b>)</b></td>	1.2-Dichloropropane	0.04		D	ח	D	<b>&gt;</b> :	o :	<b>)</b>	<b>&gt;</b> :	<b>)</b>
tchane 0.03 U U U U U U U U U U U U U U U U U U U	1.3-Dichloropropylene	7		Þ	n	ם י	<b>&gt;</b> :	<b>D</b> :	<b>;</b>	<b>,</b>	
thane 0.50 U U U U U U U U U U U U U U U U U U U	1,1,2,2-Tetrachloroethane	0.03		Þ	n	Ω	: c	<b>o</b> :	<b>)</b>	<b>~</b> :	<b>)</b>
nne 0.03 U U U U U U U U U U U U U U U U U U U	1,1,1,2-Tetrachloroethane	0.50		Þ	n	D .	Þ	ב : י	<b>o</b> :	<b>5</b>	
ne 0.03 U U U U U U U U U U U U U U U U U U U	Tetrachloroethene	0.03		Þ	a	0.41	<b>¬</b>	2	n :	<b>&gt;</b> :	
nne 0,02 U U 0,12 3.1 U 0,50, U U 0,50 U U 0,50 U U 0,18 U	1,1,1-Trichlorocthane	0.03		Þ	Ω	ם	Đ	n :	<b>&gt;</b> ;	<b>&gt;</b> :	<b>)</b>
0.12 3.1 4thane 0.50, U 0.50 U 0.18 U	1,1,2-Trichloroethane	0.02		n	D	O	n	Ω	ה י	<b>D</b> :	<b>&gt;</b> :
thane 0.50, U 0.50 U 0.50 U 0.18 U	Trichloroethene	0.12		3.1	2	<b>D</b>	n	ņ :	<b>.</b>	<b>.</b>	
0.00 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00 U 0.00	Trichlorofluoromethane	0.50		<b>&gt;</b>	n	ם	D .	<b>&gt;</b>	<b>D</b> ;	<b>٠.</b> :	87.6
0.18	Trichloropropane	S,		n	<b>&gt;</b>	<b>&gt;</b>	D	<b>•</b>	<b>5</b>	<b>&gt;</b> :	<b>:</b>
	Vinyl Chloride	0.18		n	ח	n	D	n	<b>&gt;</b>	<b>&gt;</b>	Đ

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Table L-11 Site 3 - Soil Page 111

s (\$m\$)	Method	hod Location/OC No:	CSS-IEWM	MW33-SS1	MW33-SS2	MW33-SS3	MW35-SS1	MW35-SS2	MW35-SS3	MW35-SS3 DUP
This   Section   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing   Processing	Detec	v	9.10		11-12	20-21	6.1	2:3	10-11.5	
Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participatio	3			8-27-88						8-25-8
	Parameter and Analysis Method	Field Sample No.: Lab Sample No.:		DANGII-3-MW33-SGI 88082161	DANGB-3-MW33-SG2 88082162		- 1			3 DANGB-3-MW35-SG3A 3 88082130
Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participatio	IALOGENATED VOLATILE ORGAI	41CE (SW 8010)								•
Particularies   25	Data Package		123	•	#23	123	#55	155		
Indicatementary   55		050	ם	ב	n	n	Ω	n	,	
Demock-tonic part   S		5.0	n	ם	ם	n	ב	ם	2	_
Democratication   1,50	Bis(2-chloroisopropyl)ether	5.0	ח	D	D	ח	ם	מ	ָּרָב.	_
Demonstration		050	מ	7.	n	n	n	⊃,	( <del>2</del> 2,	
Demonstrate   2.20		0.10	2	ם	n	ס	ח	D.	2	,
December   12		0750	ם	<b>D</b>	, <b>D</b>	ס	n	ח	2	_
Colorectation         0.11         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Bromoethane	1.2	<b>5</b>	n	D	D	n	ם		-
2,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,00		0.12	ח	a	n	ລ	Ω	Ω	• •	_
Colorestate   So		0.02	ח	D	D	n	ם	O		· .
Objective control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con		200	מ	n	n	ח	Ω	ח		_
Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25   Chichenthese   0.25		220	כ	ח	n	ם	Ω	ח		_
Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic   Chicachemic		3.52	ר	ם	ח	ם	פ	<b>D</b> .	J	_
1-Carbon-bearen 6.55 U		2,05	0,43 B	D	כ	n	ח	ם	1 600	
2. Chloromethate         0.13         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U		850	מ	D	ם	ב	כ	ח		
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Characteristic   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance   Assistance	Chloromethane	900	ב	0	D	D ·	<b>D</b> :	<b>D</b> :	. ر	
Chloroptener 059 09 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Chloromethyl Methyl Ether	5.0	<b>D</b> :	<b>5</b>	D ;	<b>&gt;</b> :	<b>&gt;</b> :	D .;		
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0.02 U U U U U U U U U U U U U U U U U U U		0.03	n	n	n	<b>D</b>	D, :	O :		,
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		050	<b>-</b>	<b>D</b>	<b>n</b>	>	<b>3</b>	D	-	

Limit Fick Parameter and Analysis Method Lat AROMATIC VOLATHIE ORGANICS (SW 8020)	Sample Depth, (ft): Sample Dete: Field Sample No.: Lab Sample No.:	SGA0 0-2 8-16-88 DANGH:3-SG-A0 88081902/880819-00	SGA1 0-2 8-16-88 DANGR-3-SG-A1 88081955	SGA2 0-2 8-16-88 DANGII-3-SG-A2 88081939	SGA3 0-2 8-16-88 DANGB-3-SG-A3 88081954	SGA4 0.2 8-16-88 DANGB-3-SG-A4 88081904	SGA4 DUP 0.2 8-17-88 DANGB-3-SG-A4 88081945	SGAS 0-2 8-17-88 DANGB-3-SG-A1	SGB1 0-2 8-16-88 DANGB-3-SG-B1 88051903/89081961
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		8 U U U U U U U U U U U U U U U U U U U	<b>%</b> 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44 U U U U U E U U U U U U U U U U U U U		81 <b>,</b>	¥ 222222	<b>អ្នកភភភភ</b> ភភ	ស៊ី <u>ភ</u> េ១១១៦ <i>ជ</i> ី១

1325	Site 3 Soil

	Method	Location/QC No:	SGB2	SGB3	8000	2001	8662	SUC	7228	8 7.55v
	Detection	Sample Depth, (ft):	0.5	0-2	0.5	0.5	0.5	0.2	0.0	
	Limit	Sample Date:	8-17-88	8-16-88	8.16-88	8-16-88	8-16-88	8-16-88	831.88	9.77.88
		Field Sample No.	DANGB-3-SG-B2	DANGB-3-SG-B3	DANGB-3-SG-C0	DANGB-3-SG-CI	DANGB-3-SG-C2	DANGB-3-SG-C3	DANGB-3-SGC4-SG1	DANGB-SGC4-SG1
Parameter and Analysis Method	<b>.</b>	Lab Sample No.	88081949	88081905	88081956	880š19 <i>5</i> 7	88081901/88081962	88081958	88092247	89092782
AROMATIC VOLATILE ORGANICS (SW 8020)	SANICS (SW &	(0208)								,
Data Package			151	<b>#</b> 18	#S#	15.	153	35.	<b>4</b> 46	22
Benzene	0.7		D	<b>5</b>	מ	D	Þ	n	מ	מ
Chlorobenzene	0.2		ם	D	ם	n	Ω	` D	n	2
1,2.Dichlorobenzene	ઢ		Þ	ם	n	n	מ	: 0	n	, 2
1,3-Dichlorobenzene	9		2	D	ח	ם	S	מ	ח	• =
1,4.Dichlorobenzene	03		`	ם	n	. <b>&gt;</b>	<b>&gt;</b>	n	<b>D</b>	
Ethyl Benzene	0.2		מ	n	0	ֹב			=	=
Toluene	0.2		GN	36	6.7	8.1	5.3	4.2	) =	2
Xylenes	07		3	=======================================	.=	11	=		=	

Parameter and Analysis Method	Detection Limit	Location/QC No: Sample Depth, (ft): Sample Date: Field Sample No.: Lab Sample No.:	9-27-88 DANGB-SGC4-SG2 8802783	SGC5 0-2 8-17-88 DANGIB-3-SG-C5 . 88031944	SGD0 0.2 8-18-88 DANGB-3-SG-D0 88081973	SGD1 0-2 8-18-88 DANGII-3-SG-D1 8981975	SGD2 0-2 8-17-88 DANGB-3-SG-D2	SGD3 SGD3 DUF 0-2 0-3 8-30-88 8-30-88 DANGB-3-SGD3-SGD DANGB-3-SGD3-SGD	SGD3 DUP 0-2 8-30-88 NAGB-3-SGD3-SGIA	SGD4 0-2 8-17-8 BANGB-3-SG-D4
AROMATIC VOLATILE ORGANICS (SW 8020)	ANICS (SW 8020	,				**			10770100	30000
Data Package			425	81	<b>*</b> 39	<b>₩</b> 39	Z.	15.0	Ş	
Benzene	0.2		Ω	מ	Þ	Ð	, 1	Ė	5 =	
Chlorobenzene	0.2		n	ב	n	D	, ,	) <b>&gt;</b>	<b>)</b>	
13-Dichlombenzene	<b>7</b> 0		<b>ɔ</b> :	<b>=</b>	n	n	Ω	ם	כס	
1.4-Dichlorobenzene	60		<b>)</b>	<b>:</b>	: ם	<b>5</b> .	n	Ω	ם	_
Ethyl Benzene	2		> =	2 5	<b>&gt; :</b>	<b>D</b> :	<b>D</b>	Ω	` n	
Toluene	70		2 2	> <u>S</u>	) = C	ם מ	o :	<b>ɔ</b> :	ם	_
Nyknes	0.2		כי	ב ב	3 0	9 7	ם כ	<b>#</b> =	ฆ-=	8.6

	(managem)	Province	Constant Print	-	-	traditions :	Constituted (seemed description of		(-magnes)	logranian	Sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sample of the sa	Water geometricum	1
Table L-11 Sue 3 Soil Page 21>	,				•	·			č			٠	
	Method	hod Location/OC No:	/QC No:	SGDS	SGEO	SGBI	BI SGE2	2	SGES	SGES DUP	SGFA	SGF4 DUP	1 4
	Detection	S	Pth. (ft):	0.5	.0.2			2	0.5	0.5	0.5	6.5	. ~
	Limit		Sample Date:	8-17-88	8-18-88	8	ø		8-30-88	8-30-88	8-31-88	8-31-88	. ∞
•		Field Sample No.:		DANGB-3-SG-DS	DANGB-3-SG-E0	DANGB	DANGB		BSGI DANGE	ASSESSE!	DANGB 3-SGIB-SGI DANGB 3-SGIB-SGIA DANGB 3-SGEA-SG2	DANGB-3-SCEA-SG	·-
Parameter and Analysis Method	ris Method	Lab Sample No.:	ple No.:	88081943	92081976	5 88081977	77 88081972	- 1	88102202	88102203	88092248	. 89092249	٥
AROMATIC VOLATILE ORGANICS (SW 8020)	TLE ORGANICS (	(SW 8020)					,			,		**	1
Data Package				<b>1</b> 57	. #39		#39 #39		121	#2I	. #46	94.8	ø
Benzene	_	0.2		ם	מ		ט		Þ	Ċ,	D		_
Chlorobenzene	•	0.2		ם	2	_	מ		2	Þ	Э		_
1.2.Dichlorobenzene	•	7'0		⊃	2	_	ם	_	2	5	· `		·à
1.3 Dichlorobenzene	•	6,4		מ	כ		מ	_	5	5	• •		-
1,4-Dichlorobenzene	_	03		כ	ם		ח	_	<b>-</b>	Þ	מ	_	<b>-</b>
Ethyl Benzene	_	0.2		ם	<b>¬</b>		ດ	•	⊃	כ	· >		· >
Toluene	,	0.2		12	3.1 B	a es	B 38 B	~	8.8	2	140	140	
Xylenes	J	02		ລ	ח			_	>	<b>&gt;</b>	Ģ		5
							•				1		,

Table L.	Site 3 Soil	

										,
	Method	Location/QC No:	8049	8654	SGSS	8656	SG57	SG58	MW25-SS1	WW25-552
	Detection	Sample Depth, (ft):	0.5	0.5	0.5	0.5	0.5	0.5	3	2:3
	Limit	Sample Date:	8-18-88	8-17-88	8-17-88	8-16-88	8-17-88	8-17-88	8-26-88	8-20-88
Parameter and Analysis Method		Field Sample No.: Lab Sample No.:	DANGB-3-SG-49 88081974	DANGB-3-SG-722 88081947	DANGB-3-SG-A3.5 86081951	DANGB-3-SG-A3.5 88081906	DANGB-3-SG-A2.5 88081950	DANGB-3-SG-Y2 DANGB-3-MW25-SGI 88081948 . 88082146	.NGB-3-MW25-SG1 88082146	DANGB-3-MW25-SG2 88082147
AROMATIC VOLATILE ORGANICS (SW 8020)	NICS (SW 80.	(8)				**				-
Data Package	<b>,</b>		139	151	25/	*18	*\$*	×	85.	
Denzene	0.2		86	מ	n	Ð	ם	Ď	, ,	ח
Chlorobenzene	0.2		n	Ω	ם	ח	ם	- 5	Þ	
12-Dichlorobenzene	6,4		ם	ם	ם	D	· D	: <b>&gt;</b>	· >	•
13-Dichlorobenzene	60		ם	D	ב	n	5	ם	D	ח
1,4.Dichlorobenzene	03		ח	כ	ח	a	ם	· D	<b>&gt;</b>	· >
Ethyl Benzene	0.2		500	2	ם	ח	ם	Ď		a
Toluene	07		1300 13	13	D	9'1	=	5	מ	<b>a</b>
Nytenes	0.2		2000	n	ם	מ	ם	D	ב	

Table CII	Site 3 Soil	Page 2F	

	Method	Location/QC No:	MW25-SS3	MW27-SSI	MW27-SS2	MW27-SS3	MW28-SSI	MW28-SS2	MW28-SS3	MW29-SSI
Q	Detection	Sample Depth, (ft):	14-15	3	GMay 6-May	14-15	-0	2:3		3
	Limit	Sample Date:	8-26-88	8-24-88	8-24-88	8-24-88	.8-27-88	8-27-88	8-27-88	8-30-88
	-	Field Sample No.: DANGB3-MW25-SG3 DANGB3-MV	NGB-3-MW25-SG3	DANGB-3-MW27-SGI	DANGB-3-MW27-SG2 DANGB-3-MW27-SG3 DANGB-3-MW28-SG2	ANGB-3-MW27-SG3	DANGB-3-MW28-SGI	DANGB-3-MW28-SG2	DANGB-3-MV	DANGB-3-MW29-SGI
Parameter and Analysis Method		Lab Sample No.:	88082148	88082102	88082103	88082104	88102158	88102159	88102160	88102196
AROMATIC VOLATILE ORGANICS (SW 8020)	11CS (SW 80)	(02)								
Data Package			#58	¢14	61.7	61#	433	α.	1 +23	4.51
Benzene	0.2		ח	n	ם	<b>5</b>	n	<b>D</b>		n
Chlorobenzene	0.2		ם	ח	ם	Þ	ם		<b></b>	,
1,2-Dichlorobenzene	64		ם	כ	כ	ח	ņ	2	ם	>·
1.3-Dichlorobenzene	0.A		ם	ח	ם	<b>&gt;</b>	Ω	ם	ם	<b>.</b>
1,4-Dichlorobenzene	60		ם	n	ם	<b>&gt;</b>	<b>n</b>	ם	2	D
Ethyl Benzene	0.2		n	n	ם	Ω	n .	n	n	ח
Toluene	0.2		Ω	019	740	200	5.5	8	23	18
Xylenes	0.2		ב	0	n	ב	ב	<b>5</b>		Ω

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Table L	Site 3 Soil	Page 2G

	Method	f contion (OC No.	C33 00/1071	1000000	and the same of					
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	Detection	Sample Depth, (II):	42	14-15	14.15	<b>?</b> 0	:	11.6	14-15	3
	Limit	Sample Date:	8-30-88	8-30-88	8-30 88	8-30-88	8:30:88	830-88	830:8	8-27-88
Parameter and Analysis Method		Field Sample No.	DANGB-3-MW29-SG2	DANGIL-3-MW29-SG3	Field Sample No. DANGB-3-WW29-SG2 DANGB-3-WW29-SG3 DANGB-3-WW29-SG3A DANGB-3-WW30-SG1 DANGB-3-WW30-SG1 DANGB-3-WW30-SG2 DANGB-3-WW30-SG3	DANGB-3-MW30-SGI I	DANGB-3-MW30-SGIA	DAWGB-3-MW30-SG2	DANGB-3-MW30-SG3	DANGB-3-MV
				0.000	60102130	76176000	6/179/000	X178088	(88082195	88082156
AROHANTIC VOLATILE ORGANICS (SW 8020)	ANICS (SW &	020)								
Data Package				151	151	121	151	<b>₹</b> 21	15#	2
Benzene	0.2		ם	<b>ס</b>	ח	D	ם	2		=
Chlorobenzene	0.2		n	D	ò	כי		• =	=	=
1,2-Dichlorobenzene	0.4		ח	כ	<b>&gt;</b>	· ¬	מ	, =	=	· =
1,3-Dichlorobenzene	8		מ	n	n	7	ה ה	• 2	_	-
1,4-Dichlorobenzene	03		ב	מ	D	D	ם י			- =
Ethyl Benzene	0.2		ם	ח	Ω	<b>&gt;</b>	מ			
Toluene	0.2		38	7	7.1	ם	` <b>&gt;</b>	e ח	Ŕ	8
Xylenes	0.2		כ	כ	D	n	5			n

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Table L-11 Site 3 Soil Page 211							-			
	Method Detection Limit	Location/QC No: Sample Depth, (ft): Sample Date: Field Sample No: DA	MW31-SS2 9-10 8-27-88 NGB-3-MW31-SG2 DAN	MW3.5%1 1-0 8-72-8 60-3-MW33-5G1	Location/QC No:         MW31-SS2         MW33-SS1         MW31-SS2         MW33-SS3           smple Depth, (ft):         9-10         11-12         20-21           Sample Date:         8-27-88         8-27-88         8-27-88           Field Sample No:         DANGB-3-MW31-SG2         DANGB-3-MW33-SG2         DANGB-3-MW33-SG2	MW33-SS3 20-21 8-27-88 NUCH-3-MW33-SG3	MW35-SSI 0-1 8-25-88 DANGB:3-MW35-SGI	AW35-SS2 2-3 8-25-88 DANGB-3-MW35-SG2	MW35-SS1 MW35-SS2 MW35-SS3 DWW36-SS3 DWW36-SS3 DUP 2-3 10-11.5 10-11.5 10-11.5 10-11.5 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88 8-25-88	MW35-SS3 DUP 10-11.5 8-25-88 DANGB-3-MW35-SG3A
Parameter and Analysis Method	thod	Lab Sample No.	88082157	88082161	89082162	88082163	88082132	88082131	89082133	88082130
AROMATIC VOLATILE ORGANICS (SW 8020)	ORGANICS (SW 20	(150)						-		
Data Package			123	133	123	123	1,55	#5S	<b>#</b> 55	88
Benzene	07		n	ם	Đ	ם	ב	כ	ס	D
Chombenzene	0.7		מ	n	D	ח	ח	ם	Þ	<b>¬</b>
1.2-Dichlombenzene	8		מ	ח	2	ם	ם	ח	ח	<b>D</b>
13-Dichlombenzene	8		ח	כ	ח	D	2	ב	ח	n
1,4-Dichlorobenzene	03		ב	>	כ	ם	<b>D</b> .	ם	ב	<b>ɔ</b> :
Ethyl Benzene	07		ב	כ	ם	D	כ	ב	<b>&gt;</b>	
Tolucne	0.2		8	82	28	76	18	: E	62	~ :
Xvlence	07		ם	ם	כ	n	⊃`	>	<b>-</b>	0

Table L-11
Site 3 Soil

SEMI-VOLATILE ORGANICS (SW 8270) Page 1 Data Package 13-Dichlorobenzene 14-Dichlorobenzene 330		Sample Date: Sample Date: Field Sample Noz. [ab Sample Noz.	0.2 8-16-88 DANGB-3-SG-A0 88081902/88081960	8-16-88 BANGB-3-8G-A1 B8081955	0.2 8-16-88 DANGB-3-5G-A2 8:00:19:9	0.2 8-16-88 DANGB-3-5G-A3 89081954	0.2 8-16-88 DANGB-3-SG-A4 85081904	0-2 8-17-88 DANGB-3-SG-A4 88081945	0-2 8-17-88 DANGB-3-SG-A1 88081946	8-16-88 DANGB-3-5G-B1 88081903/88081961
Data Package 1,3-Dichlorobenzene 1,4-Dichlorobenzene	SW 8270) Page	pud.								
13-Dichlorobenzene			£18	#40	94.40	₩40	, , , , , ,	# 40	440	<b>4</b> 18
1.4.Dichlombenzene	330		n	ñ	ā	ñ	n	Ω	ñ	ā
	330		D	5	5	<b>5</b>	D	Ð	5	5
Hexachloroethane	330		כ	5	5	5	>	n	5	5
Dis(2-chloroghyl)ether	330		ם	5	5	5	<b>¬</b>	ח	5	5
1,2-Dichlorobenzene	330		ם	ລ	5	5	ס	ם	ອ	5
N-Nitrosodimethylamine	330		n	5	ij	5	ח	ם	5	5
Bis(2-chloroisopropyt)ether	330		ρ:	5 ;	<b>5</b> :	5 :	<b>ɔ</b> :	⊃:	5 1	5 :
N-Nitrosodi-n-propylamine	330		<b>:</b>	5 :	5 :	5 :	<b>&gt;</b> :	<b>)</b>	5 :	5 8
Hexachlorobutadiene	33		<b>:</b> c	5 :	5 :	<b>5</b> i - <b>:</b>	<b>&gt;</b> :	<b>)</b> :	5 5	5 5
1,2,4-Trichlorobenzene	8		<b>&gt;</b> :	5 :	5 :	5 ;	<b>&gt;</b> ;	<b>)</b>	5 :	5 :
Nitrobenzene	93 93 93		<b>-</b> :	5 5	5 5	5 E	ם כ	<b>&gt; =</b>	5 É	5 5
Isophorone	85		<b>-</b> :	5 3	<b>5</b>	<b>5</b> :	<b>;</b>	o :	5 5	<b>5</b>
Naphthalene	8		<b>-</b> :	5 :	5 5	<b>5</b>	<b>)</b> :	<b>:</b>	5-2	<b>5 5</b>
Us(2-chloroethoxy)methane	<u> </u>		<b>:</b> c	5 :	5 8	5 5	<b>&gt;</b> :	÷ =	5 5	5 5
	9		) ;	5 5	5 5	5 5	) F	<b>&gt;</b> =	5 <b>=</b>	5 =
* Trexaction Ayendamian circ	3 5		<b>&gt;</b> =	5 5	5 E	5 5	> =	o =	5 5	5 5
Accordings and	3 2		) =	3 E	S =	5 5	> =	כס	5 5	5 5
	330		ם מ	5 5	5 5	5	; <b>⊃</b>	· >	5	5
2,6-Dinitrotoluene	330		ם	5	5	5	ח	Ď	õ	ก
Fluorene	330		ח	5	ñ	5	n	ב	ສ	5
2,4.Dinitrotoluene	330		n	5	ň	ij	n	Ð	ñ	ລ
Dicthyl Phthalate	330		Þ	ភ	5	ລ	2	<b>-</b>	ລ	5
N-Nurosodiphenylamine	330		n	5	5	ñ	2	ב	<b>5</b> :	<b>5</b>
Hexachlorobenzene	330		ם	5	ä	ñ	n	<b>a</b>	<b>5</b> ;	5 :
Phenanthrene	330		מ	5	îi i	5	<b>n</b> :	Ď:	<b>5</b> :	<b>5</b> :
Anthracene	330		<b>D</b> ;	5	5	5	<b>-</b> :	<b>)</b>	<b>5</b> :	5 ′ 5
Dibutyl Phthalate	330		<b>&gt;</b> :	5 :	5 :	5 ;	o :	<b>)</b>	5 5	5 5
Fluoranthene	999		<b>&gt;</b> =	5 5	5 5	5 5	D =	<b>5</b> E	5 <b>5</b>	5 3
Porene Porene	3.5		> =	5 E	5 E	5 <b>5</b>		) =	5 5	5 5
Butyl Benzyl Phthalate	330		) n	5 5	5	5 5	· >	Þ	5	5
lis(2-cihylbexyl)phthalate	330		כי	200	5	5	D	כ	ັກ	5
Chrysene	330		D	5	ñ	5	ח	ם	5	ភ
4-Bromophenyl Phenyl Ether	330		ם	5	5	5	ם	D	ä	5
Benzo(a)anthracene	330		Ð	io	5	ñ	ח	ב	ä	ອ
Di-n-octylpbthalate	330		ח	5	i	ສ	2	ם	ő	5
Benzo(b)fluoranthene	330		ח	5	5	õ	Ω	D	5 ,	5
Benzo(k)fluoranthene	330		Ð	5	5	5	ח	n	5	
Benzidine	2000		n	5	ñ	5	<b>ב</b>	n	<b>5</b>	ූ -
33.Dichlorobenzidine	099		2	5	ä	ä	=	<b>ɔ</b> :	<b>5</b>	<b>5</b> :
Benzo(a)pyrene	330		ם	5	ö	<b>5</b>	<b>&gt;</b> :	⊃ [,] :	5 :	5 5
Indeno(1,2,3-cd)pyrene	330		o :	5 :		5 :	<b>&gt;</b>	<b>&gt;</b> :	5 5	5 5
Daxenzo(a,h)anthracene	330		<b>•</b>	<b>5</b>	<b>5</b> :	<b>5</b> ;	<b>-</b>	<b>&gt;</b> :	5 5	5 5
Benzo(ghi)perylene	330		9	ö	5	5		>	5	5

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Table L.11 Site 3 Soul Page 3B

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Table State   Principation	The light light   The light light   The light light   The light light   The light light   The light light   The light light   The light light   The light light   The light light   The light light   The light light   The light light   The light light   The light light light light   The light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light light		Defection	Sample Depth, (ft): Sample Date:	0-2 8-17-88		0.2 8-16-88	0-2 3-16-88	0.2 8-16-88	0.5 8-16-88			0.27 9.27-88
	20 (Septically Park)  21 (20 (Septically Park)  22 (Septically Park)  23 (Septically Park)  24 (Septically Park)  25 (Septically Park)  26 (Septically Park)  27 (Septically Park)  28 (Septically Park)  28 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Park)  29 (Septically Par	Parameter and Analysis Method		Field Sample No.: Lab Sample No.:	DANGB-3-SG-112 83081949		DANGB-3-SG-C0 88081956	DANGII-3-SG-CI 88081957	DANGII-3-SG-C2 88081901/88081962	DANGB-3-5G-C3 R8081958	1	DANGB-3-SG	18 S
		EMI-VOLATILE ORGANICS (S	W 8270) Page	_				•			-	-	
		ata Package			#40	81.#	# 40	# 40	<b>*</b> 18	140	•		53
		-Dichlórobenzene	330		5	5	5	ñ	5	ň	5		ź
		·Dichlorobenzene	330		ວ	in	ñ	ñ	ñ	ñ	ij		ž
		vachloroethane	330		5	5	5	in	5	5	-		5
		(2-chloroethyl)ether	330		5	5	ñ	ä	5	5			5
		Dichlorobenzene	330		5	ö	5	5	5	5	ī		5
		Ntrosodimethylamine	330		5	5	ñ	5	5	5	ה		5
		(2-chloroisopropy1)cther	33		5	ñ	5	5	5	5	5		õ
		'itrosodi-n-propylamine	330		5	5	ລັ	<b>5</b> .	5	õ			ž
		tachlorobutadiene	330		5	5	5	5	ñ	ŏ			õ
		4-Trichlorobenzene	330		ij	ñ	in	5	ö	Ü			5
		robenzene	330		5	ñ	5	ij	5	ö			ž
		horone	330		5	5	ñ	5	ö	ລ			Ş
		ohthalene	330		5	ij	ភ	ã	5	ā			5
		(2-chloroethoxy)methane	330		5	5	ñ	5	ö	ຼວັ			5
		hloronaphthalene	330		ñ	5	5	5	5	ñ	•		ລັ
		achlorocyclopentadiene	330		5	5	ว	ñ	5	Ş			5
		naphthylene	33		ñ	5	5	5	ij	ລັ			5
		naphthene	336		5	ອ	ວັ	<b>5</b>	<b>5</b>	<b>5</b> :			5 :
		sethyi Phthalate	330		5	5	5	5 :	<b>5</b>	5			5 :
		Dinitrotoluene	330		<b>5</b> :	<b>5</b> :	<b>5</b>	<b>5</b> :	<b>5</b> :	<b>5</b> ;			Ş :
		orene	930		<b>5</b>	<b>5</b> :	5 ;	<b>5</b> :	<b>5</b> :	5 5	-		5 3
		Dinitrotoluene	330		<b>5</b>	5 5	5 5	5 5	5 5	;;			5 5
		nyi Phinalaic	25		5 ;		5 :	5 ;	5 :	5 3			5 =
		litrosodiphenylamine	8 8				5 E	5 5	5 5	5 5		-	5. E
		anaznaconoma	8 8		5 E	3 E	5 5	5 5	5 5	5 5			5 =
		nandrene	2,50		5 5	<b>5 5</b>	5 =	5 =	5 5	5 =			5 5
	330 330 330 330 330 330 330 330	njacene int Phibatare	33.0		5 <b>5</b>	5 E	5 5	5 5	5 5	5 5			5
330 330 330 330 330 330 330 330 330 330	330 330 330 330 330 330 330 330 330 330	ranthene	330		5 5	5	5 5	5	5	· 5			õ
339 330 330 330 330 330 330 330 330 330	330 330 330 330 330 330 330 330 330 330	Morophenyl Phenyl Ether	330		5	ö	ö	5	5	5			Ş
330 330 330 330 330 330 330 330 330 330	330 330 330 330 330 330 330 330 330 330	, , , , , , , , , , , , , , , , , , ,	330		in	ñ	5	5	ş	'n			5
330 330 330 330 330 330 330 330 330 330	330       UI       =""><td>d Benzyl Phthalate</td><td>330</td><td></td><td>ä</td><td>5</td><td>5</td><td>ñ</td><td>5</td><td>ສ</td><td></td><td>_</td><td>5</td></t<>	d Benzyl Phthalate	330		ä	5	5	ñ	5	ສ		_	5
330 330 330 330 330 330 330 330 330 330	330 UI UI UI UI UI UI UI UI UI UI UI UI UI	(2-cthylhexyl)phthalate	330		5	5	5	'n	in	ā		`	5
330 330 330 330 330 330 330 330 330 330	330 330 330 330 330 330 330 330 330 330	ysene	330		5	ij	5	ອັ	Ħ	5			Ś
	330 330 330 330 330 330 330 330 330 330	roatophenyl Phenyl Ether	330		ä	ö	5	ລ	5	5			5.:
330 330 330 330 330 330 330 330 330 330	330 330 330 330 330 330 330 330 330 330	zo(a)anthracene	330		5	ñ	5	ö	ij	<b>5</b> .	•		<b>5</b>
	330  230  230  240  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500  2500	octylphthalate	330		ñ	ñ	5	5	ö	Ħ.			5
		zo(b)fluoranthene	330		5	5	5,	ň	<del>s</del>	5		<u> </u>	<u>جَ</u> جَ
		zo(k)fluoranthene	330		5	5	5	5	<b>5</b>	<b>5</b> .:	•		. د
		zidine	2000		5	ñ	5	5	j i	5			<b>3</b> . §
330 25 25 25 25 25 25 25 25 25 25 25 25 25	330 00 10 10 10 10 10 10 10 10 10 10 10 10	-Dichlorobenzidine	88		in	ă	5	<b>5</b> ;	<b>5</b>	5 :	*		<b>5</b> :
	330 330 131 131 131 131 131 131 131 131	20(a)pyrene	330		5	S ·	<b>5</b> :	5	<b>5</b> :	<b>5</b> :		•	5 É
	330 UI UI UI UI UI UI UI UI UI UI UI UI UI	eno(1,2,3-cd)pyrene	330		5	5	<b>5</b>	<b>5</b> :	5 :	5 :			5 :
	330 01 01 01 01	enzo(a,h)anthracene	330		ij	5	ö	5	5	<b>5</b> :			5 :

Table L-11 Site 3 Soil Page 3C

	Method Detection Limit	Location/OC No: SGC4 R DUP Sample Depth, (A): 9-27-88	SGC5 0-2 8-17-88	SGD0 0-2 8-18-88	SGD1 0-2 8-18-88	SGD2 0-2 8-17-88	SGD3 0-2 8-30-88	SGD3 DUP 0.2 8.30-88	SOD4 0.2 8.17.88
Parameter and Analysis Method		DANGB-3-SGC-8	DANGB-3-SG-C5 88081944	DANGB-3-SG-170 88081973	DANGB-3-SG-DÍ 88081975	DANGIB-3-SG-D2 88081952	DANGB-3-SGD3-SG1 DANGB-3-SGD3-SG1A 88102201	ANGB:3-5GD3-5G1A 88102201	DANGB-3-SG-D4 88081953
SEMI-VOLATILE ORGANICS (SW 8270) Page 1	(SW 8270) Pàge				- 4		•		
Data Package		125	#40	130	<b>4</b> 39	440	03/	84	070
1.3-Dichlorobenzene	330	5	5	ñ	5	5	5	5	ā
1,4-Dichlorobenzene	330	ັລ	5	5	5	ō	5	ລັ	5
Hexachloroethane	330	5	5	ລ	5	5	ñ	5	5
Dis(2-chloroethyi)ether	330		5	5	5	5	ົວ	<b>5</b> .	
1,2-Dichlorobenzene	330	, ·	5	5	5	'n	5	ā	5
N-Nitrosodimethytamine	333	in .	5	5	5	ö	5	ລັ	ລັ
Bis(2-chloroisopropyl)ether	330	5 :	5 :	5 :	5 :	5 :	<b>5</b> :	<b>5</b> :	5 :
N-Mirosod-n-propylamine	<b>3</b>	5 :	5 5	5 :	5 :	5 :	5 5	5 3	5 :
124Trichlombanene	330	5 =	5 5	5 5	5 E	5 5	5 5	5 5	5 5
Nimbenzene	3 5	5 =	5 E	5 5	5 5	5 =	5 5	5 5	5 5
Isophome	330	5 =	5 =	5 5	5 =	5 =	5 5	5 =	5 =
Naphthalene	330	i ii	5 5	5 5	5 5	5 5	5 5	5 5	5 5
Bis(2-chloroethoxy)methane	330	5	5	5	5	5	Ś	á	5 5
2-Chloronaphthalene	330	in	5	5	5	5	5	Ŝ	5
	330	In	5	5	ā	ñ	5	5	ň
	330	5	5	Ė	5	5	ລ	'n	ā
Acenaphthene	330	5	i	5	5	ö	5	Š	5
	330	5	5	õ	5	5	5	ລ	5
2,6-Dinitrotoluene	330	5	5	5	5 :	5	Š:	Š	<b>5</b> :
Fluorene	82	5	5 :	5 :	<b>5</b> :	5 :	5 :	5	<b>5</b> :
2,4-Dinitrololuene	330	5 E	5 5	5 5	5 5	5 5	5 5	5 5	ŠŠ
N. Nimeralishandamina	8	5 E	5 5	5 5	5 5	5 5	5 5	<u> </u>	<b>3</b> 5
Hexachlombenzene	33	5 5	5 5	5 3	5 E	3 5	3 <b>S</b>	5 5	5 5
Phenanthrene	330	5	5	; <u>5</u>	5	5	5	5	5
Anthracene	330	in	ö	5	5	5	ñ	5	5
Dibutyl Phthalate	330	5	5	5	ā	5	õ	ā	5
Fluoranthene	330	ອ	5	ñ	ñ	5	ā	5	ភ
4.Calorophenyl Phenyl Ether	330	<b>5</b>	ñ	5	5	5	<b>5</b>	5	<b>5</b>
Pyrene	939	<b>5</b> :	<b>5</b>	5 :	<b>5</b> ;	: i	5 :	5 :	5 5
Die/2 askalt minalate	25.5	<b>3 5</b>	8	5 5	5 5	5 5	5 5	5 <b>5</b>	5 5
Christine	330	5 5	S =	5 5	S =	5 5	5 5	5 5	<b>5</b> 5
4-Bromophenyl Phenyl Liher	330	Ö	5	5	5	5	5	5	5
Benzo(a)anthracene	330	5	i	5	; <u>5</u>	5	5	5	5
Di-n-octylphthalate	330	5	ñ	5	ñ	5	5	5	. <b>5</b>
Benzo(b)fluoranthene	330	ສ	ă	5	5	5	5	ñ	5
Benzo(k)fluoranthene	330	5	S	5	5	ă		5	ñ
Benzidine	2000	5	ñ	5	ï	5	5	ñ	ñ
3,3'-Dichkorobenzidine	999	5	5	ij	5	5	5	<b>5</b>	5
Benzo(a)pyrene	330	ñ	Ş	5	5	5	5	<del>5</del>	<b>5</b> :
Indeno(1,2.3-cd)pyrene	330	5	5	<b>5</b>	5	5	<b>5</b>	5 :	5 3
Dibenzo(a,h)anthracene	330	i i	5	5	5	5 :	5 :	5 3	5 3
Benzo(ghi)perylene	330	ō	Š	5	5	5	5	5	5

Table L-11 Site 3 Soil Fage 3D

Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrier   Total Carrie		Method	Sample Depth, (ft):	9005	9459	0.2	0.5	0.5	0.5	0.2	0.7
Coverage   Location   Location   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage   Coverage		Lmit	Sample Date: Field Sample No.:	8-17-88 DANGB3-SG-DS.	€6B-3	8-18-88 DANGB-3-5G-EI	8-18-83 DANGB-3-SG-E2	8-30-88 DANGB-3-SGI33-SGI DAI	8-30-88 NGB-3-SGE3-SGIA	8-31-88 DANGB-3-SGE4-SG2	8-31-88 DANGB-3-SGE4-SG1
Conviction of various page 1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Parameter and Analysis Method		Lab Sample No.:	88081943	88081976	11618088	88081972	, 8508220	88082203	88092248	88092249
1	SEMI-VOLATILE ORGANICS (	(SW 8270) Page								,	
1	Data Padcage			<b>7</b> to	130	139	430	00.1	80	446	946
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,3-Dichlorobenzene	88		5	ສ	5	5	5	ñ	5	
Honey St. 200	1,4-Dichlorobenzene	330		ă	5	5	5	5	5	ö	Đ.
	Hexachloroethane	330		ö	5	ົລ	ລ	ñ	5	ñ	· 5
Hart Sales of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con	Dis(2-chloroethy1)ether	330		5	ā	5	5	5	5	ñ	5
Here 330 House and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	1,2-Dichlorobenzene	330		5	ñ	õ	5	5	5	Ö,	ភ
House 330 Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of	N-Nitrosodimethylamine	330		5	5	5	5	ö	ລັ	ñ	5
13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.50   13.5	Bis(2-chloroisopropyl)ether	330		5	5	5	5	5	5	ສຸ	ñ
1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990   1990	N-Nitrosodi-n-propylamine	330		ວັ	5	5	5	5	5	· 5	ñ
House	Hexachlorobutadiene	330		5	5	5	5	õ	5	5	5
House   200   10   10   10   10   10   10   1	1,2.4-Trichlorobenzene	330		5	5	ສ	ñ	ສ	ä	ñ	2
Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   S	Nitrobenzene	330		ö	5	5	ñ		5	5	, S
House	Pophorone	330		5	5	5	5	5	ö	5	5
Figure   330   10   10   10   10   10   10   1	Naphthalene	330	•	5	5	5	ö	5	5	5	ñ
Same	Dis(2-chloroethoxy)methane	330		ä	5	5	5	ñ	ä	5	ລ
House	2-Chloronaphthalene	330		5	5	ñ	5	5	ñ	5	ā
130	Il exachlorocyclopentadiene	330		5	5	ວັ	5	5	ລ	ö	5
130	Acensphibylene	330		5	ñ	ñ	5	5	5	ñ	5
130 130 130 130 130 130 130 130 130 130	Accusphthene	330		ö	5	5	5	5	ö	5	ñ
1330 1340 1350 1350 1360 1370 1370 1370 1370 1370 1370 1370 137	Dimethyl Phthalate	330		5	5	5	5	ລ	5	ລັ	5
330 340 340 340 340 340 340 340 340 340	2,6-Dinitrotoluene	330		5	5	5	<b>5</b> , 1	5	<b>5</b>	54	<b>5</b>
130	Fluorene	330		<b>5</b>	<b>5</b>	5-	ລ	ភ	5	5	<b>5</b> - }
130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130	24-Dinitrotoluene	330		5 :	5	5	5	<b>5</b> :	5	5	5 1
130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130	Diethyl Phthalate	330		5	5	5	5.	õ	1500	ö	<b>5</b>
330 330 330 330 330 330 330 330 330 330	N-Nurosodiphenylamine	330		5	5	5	<b>5</b>	<b>5</b> :	ລ	5	<b>5</b>
230 230 230 230 230 230 230 230 230 230	Iexachlorobenzene	330		<b>5</b> :	5	<b>5</b> :	<b>5</b>	<b>5</b>	<b>5</b> .	5	5
330 330 330 330 330 330 330 330 330 330	Phenanthrene	330		<b>5</b>	<b>5</b> 1	<b>5</b> :	<b>5</b>	<b>5</b> ;	<b>5</b> :	5 :	<b>5</b> ;
Ebber   330   10   10   10   10   10   10   1	Anthracene	£ :		5	<b>5</b> :	5 :	5.	5 :	5 ;	<b>5</b> :	5 :
133	Divuryl Phthalate	330		5	5	5	5	<b>5</b>	<b>5</b> :	<b>5</b> :	5 ;
Ebert   330   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   10	Juoranthene	330		ä	5	5	5	ö	5	5	5
330 330 330 330 330 330 330 330 330 330	-Chlorophenyl Phenyl Ether	330		<b>5</b>	5	<b>5</b>	5	5 :	5	5.	<b>5</b>
330 330 330 330 330 330 330 330 330 330	lyrene	330		ö	ä	ñ	5	<del>5</del>	<b>5</b>	<b>5</b>	<b>:</b>
Shert   330   10   10   10   10   10   10   1	Butyl Benzyl Phihalate	330		ວັ;	5	<b>5</b>	ži i	<b>5</b>	<u>.</u>	5 :	5 6
330 330 330 330 330 330 330 330 330 330	Bis(2-ethylbexyl)phthatate	25		5	5	<b>5</b>	ö	5 ;	<b>5</b> :	5 :	5 :
330 330 330 330 330 330 330 330 330 330	Chrysene	330		5 :	5;	5 :	5 ;	<b>5</b> :	<b>5</b>	5 :	5 :
330 330 330 330 330 330 330 330 330 330	Homophenyl Phenyl Liber	9E :		5 :	5 :	5 :	5 :	<b>5</b>	5 5	5 5	5 5
330 330 330 330 330 330 330 330 330 330	enzo(a)anthracene	330		5	<b>5</b>	<b>5</b>	5	<b>5</b> ;	<b>5</b>	5 ;	<b>&gt;</b> :
330 330 330 330 330 43 430 431 430 431 431 431 431 431 431 431 431 431 431	Di-n-octylphthalate	330		5 :	<b>5</b>	<b>5</b>	5 :	5 ;	<b>5</b>	5 :	5 :
330 2000 2000 2000 2000 2000 2000 2000	Benzo(b) Huoranthene	8		5 :	5 :	5	5 :	<b>5</b> :	<b>5</b>	5 :	5 5
2000	Senzo(k)fluoranthene	<b>9</b>		5 5	5 :	5 :	5 :	5 5	5 5	5 5	5 5
	Benzidine	2000		5	<b>5</b>	5	5	<b>5</b> :	5 ;	5 3	<b>&gt;</b> :
330 UI UI UI UI UI UI UI UI UI UI UI UI UI	3.3.Dichlorobenzidine	8		5	5	5	5	<b>5</b>	5	5	5 :
330 U! U! U! U! U! U! U! U!	Benzo(a)pyrene	330		5	5	5	ī	ij	<b>5</b>	5	<b>:</b>
330 01 01 01 01 01	Indeno(1,2,3-cd)pyrene	330		<b>3</b>	5	3	ä	5	5	<b>5</b> :	5 :
	Dibenzo(a,h)anthracene	330		5	=	=	=	==			

Table L-11 Site 3 Soil Page 3E

			25.5	355	8558	%U%	8657	8558	MW25-SS1	MW25-SS2
	Detection	Sample Denth. (ft):	0.2	0.5	25	0.5	0.5	0.2		23
	Ľ	Sample Date:	8.18.88	8-17-88	8-17-88	8-16-88	8-17-88	8-17-88	8-26-88	8-36-88
Parameter and Analysis Method		Field Sample No: Lab Sample No:	DANGB-3-SG-49 88081974	DANGB-3-SG-72 89081947	DANGII-3-SG-A3.5 88081951	DANGIB-3-SG-A3.5 89081906	DANGB-3-SG-A2.5 88081950	DANGB-3-SG-Y2 88081948	DANGB-3-MW25-SGI 88082146	DANGB-3-MW25-SG2 88082147
SEMI-VOLATILE ORGANICS (SW 8270) Page 1	(SW 8270) Page									
Data Package			130	7.40	₩40	<b>₽18</b>	4.40	<b>¥</b> 40	#58	\$58
1,3-Dichlorobenzene	330		5	5	5	ñ	5	ā	ñ	5
1.4-Dichlorobenzene	જ્ઞ		ä	5	50	5	5	5	5	ă.
Hexachloroethane	330		in	5	5	5	5	5	ö	5
llis(2-chloroethy1)ether	330		5	5	5	5	5	5	5	ລ
1,2-Dichlorobenzene	339		5	. U	5	<b>ວ</b>	ភ	ñ	5	ã,
N-Nitrosodimethylamine	330		5	5	ĭn	5	5	ភ	2	ລັ
Dis(2-chloroisopropy1)ether	330		5	ວັ	5	5	5	Ħ	5	5
N-Nutroscodi-n-propytamine	જ		5	5	ອ	ຄັ	ភ	5	ħ	5
Hexachlombutadiene	330		5	5	5.	ລ	5	5	5	5
1,2,4.Trichlorobenzene	330		5	ö	.5	5	5	ລ	ñ	ລັ
Nitrobenzene	88		5	5	ñ	5	5	ā	5	5
Isophorone	æ		in	ă	5	ñ	ລັ	5	ñ	5
Naphthalene	330		5	5	5	5	5	ă	ñ	<b>5</b> `
Bis(2-chloroethoxy)methane	330		ñ	5	5	ລ	ă	ñ	5	ສ
2-Chloronaphihalene	330		5	5	ភ	ສ	5	ົລ	5	5
liexachlorocyclopentadiene	330		5	5	ñ	5	5	ລ	5	5
Acensphibylene	330		5	5	5	ñ	5	5	5	5
Acenaphthene	330		5	5	5	5	5	5	5	<b>5</b>
Dimethyl Phthalate	330		5	5	5	5	i i	5 ;	5	5
2,6-Dinitrotoluene	330		5 :	<b>5</b> :	5 :	<b>5</b> :	5 :	<b>5</b> :	5 5	<b>5</b>
Fluorene	8		5 ;	5 :	5 :	5 5	5 [,] 5	5 5	5 5	5 · £
Z,4-Dindrololuene	3 5		5 5	5 E	5 5	5 5	5 5	5 5	5 5	5-5
Victorial Control	3 5		5 5	5 E	5 5	5 5	5 5	5 =	5 =	
N-National processing	3 8		5 5	5 E	5 5	5 5	5 5	5 5	5 5	5 5
Phenonical	3 5		5 5	5 5	5 <b>5</b>	5 5	3 5	5 5	5	5 5
Anthrague	£ 8		5	ö	5	5	5	5	5	· 5
Diburyl Phthalate	330		ົລ	ö	5	Ď	5	5	5	<b>5</b> .
Fluoranthene	330		ä	5	5	5	5	ă	5	ລັ
4-Chlorophenyl Phenyl Ether	330		5	5	5	ö	5	ă	ñ	5
Pyrene	330		5	ວ	ö	ສ	5	5	<b>ວ</b> ີ	<b>5</b> :
Butyl Benzyl Phthalate	330		ຮ	ລັ	5	<b>5</b>	5	5	5	5 .5
Bis(2-ethylhexy1)phthalate	330		5	ສ	<b>5</b>	<b>5</b>	<b>5</b> :	5 ;	<b>5</b> :	<b>5</b> :
Chrysene	939		5	<b>5</b>	5 1	<b>5</b> :	5 :	5 :	5 :	5 5
4-Bromophenyl Phenyl Ether	330		<b>5</b>	<b>5</b> :	5 :	5 5	5 :	5 :		5 5
Benzo(a)anthracene	330		5	5	5	<b>5</b> ;	5 :	5 :		5 5
Di-n-octylphthalate	જ		5 :	<b>5</b> :	<b>5</b> :	5 :	5 5	5 5	5 5	5 5
Benzo(b)fluoranthene	330		<b>5</b>	5	5 :	<b>ວ</b> ີ :	5 :	5 :	<b>5 .</b>	5 5
Benzo(k)fluoranthene	330		i :	5 :	5	5 ;	5 :	5 :	5 5	5 :
Benzidine	2000		5 :	<b>5</b> :	5 :	<b>5</b> :	5 :	5 5	5 5	5 5
3,3'-Dichlorobenzidine	93		<b>5</b> :	<b>5</b> :	<b>5</b> :	5 :	5 E	5 5	5 5	5 5
Benzo(a)pyrene	A :		5 i	<b>5</b> :	5 :	5 5	5 5	5 5	3 =	5 <b>2</b>
Indeno(1,2,3-cd)pyrene	330		5 :	5 5	5 5	5 5	5 5	5 5		5 <b>E</b>
Diocazo(a,h)anthracene	330		5 :	5 <b>5</b>	5 5	5 5	5 5	5 2	5 <b>=</b>	; <u> </u>
lienzo{gai}jverytene	A: **		5	\$	į	;	;	i		I

Table L-11 Site 3 Soil

	Method Detection	Location/OC No: Sample Depth, (ft):	MW25-SS3	MW27-SS1	MW27-SS2 5-6	MW27-SS3 14-15	MW28-SSI	MW28-SS2	MW28-553	MW29-SSI.
	Limit	Sample Date:	8-26-88	8-24-88	8-24-88	8-24-83	8-27-88	8-27-88	8-27-88	8-30-88
Parameter and Analysis Method		Field Sample No.: I Lab Sample No.:	Field Sample No.: DANGB-3-MW25-SG3 Lab Sample No.: 88082148	DANGB-3-MW27-SG1 88082102	DANGB-3-MW27-SG2 DANGB-3-MW27-SG3 88082103 88082104	DANGB-3-MW27-SG3 88082104	DANGB-3-MW28-SG1 88082158	DANGB-3-MW28-SG2 89082159	DANGB-3-MW28-SGI 1)ANGB-3-MW28-SG2 DANGB-3-MW28-SG3 88082159 88082159 88082169	DANGB-3-MW29-SG1 88082196
SEMI-VOLATILE ORGANICS (SW 2270) Page 1	SW 8270) Page								•	4 4
Data Package			158	61.	61.7	<b>€19</b>	. #23	133	423	99#
1,3-Dichlorobenzene	æ		5	ñ	5	5	5	ñ	5	ב
1.4-Dichlorobenzene	330		ö	5	5	5	5	ñ	ä	ם
Herachlorocthane	330		5	'n	ö	5	ö	5	5	O
Bis(2-chloroethyl)ether	330		ö	50	ă	5	ñ	5	5	n
1,2-Dichlorobenzenc	330		5	ñ	ñ	ō	5	5	5	: ב
N-Narosodimethylamine	330		ö	ñ	5	5	ñ	ñ	ñ	P
Bis(2-chloroisopropyl)ether	330		5	ņ	5	5	5	in	Ē	5
N-Narosodi-n-propylamine	330		5	5	ö	5	ภ	io	5	
Hexachlorobutadiene	330		5	5	5	5	ă	5	Ď	Ω
1,2,4.Trichlorobenzene	330		ð	5	5	ភ	5	5	5	ο.
Nitrobenzene	<b>8</b>			5	5	5	ñ	5	5	<b>.</b> ⊃ ,
Isophorone	330		5	ö	5	5	5	5	5	, D
Naphthalene	æ		5	<b>5</b>	5	ລັ	ວັ	5	Đ,	Þ
Bis(2-chloroethoxy)methane	330		5	5	5	5	5	<b>5</b>	5	<b>D</b>
2-Chloronaphthalene	ଞ୍ଝ		5	5	5	5	5	ñ	ה ה	2
	330		ສ	5	5	ភ	5	5	5	D
١,	8		<b>5</b> :	<b>5</b> :	<b>5</b> :	<b>5</b> :	<b>5</b> :	<b>5</b> :	5∵	<b>:</b>
	3 8		5 5	5 :	5 :	5 :	5 :	5-1	5 :	<b>&gt;</b> :
O 25 Dinitral of Land	3 5		5 5	5 E	5 5	5 5	5· E	5 5	5 5	<b>-</b> :
	3 8		5 <b>E</b>	5 =	5 5	5 =	5 =	5 5	5 5	) <del> </del>
24-Dinitrololuene	8		5 5	S =	5 5	5 5	5 =	5 5	5 =	-=
Diethyl Phthalate	88		5 5	5 5	5	5 5	5	5 5	5	2
N-Nitrosodiphenylamine	æ		5	5	5	5	5 5	5 5	5	5
Hexachlorobenzene	88		5	5	5	ñ	5	5	5	כי
Phenanthrene	330		5	5	ö	ñ	n	Ď	<i>,</i> 5	מ
Anthracene	88		5	5	in	5	ñ	5	5	מ
Diburyl Phthalate	330		5	5	ā	5.	ō	5	5	ח
Fluoranthene	33		5	5	ñ	5		ລັ	in	ם
4-Chlorophenyl Phenyl Ether	8		5	ö	5	5	ñ	ä	5	<b>5</b>
Pyrene	330		5	<b>5</b>	5 :	5	<b>5</b> :	<b>5</b> :	5.	<b>:</b>
Butyl Benzyl Phihalate	8 6		5 5	5 8	5 :	5 8	5 :	5 5	5 8	
na(cenymexy)pumate	8		<b>5 .</b>	occ.	5 5	3:	5 =	5 =	<b>5 .</b>	
A.Denmonhemd Phenyl Ciber	3 5		5 3	5 5	5 5	5 5	5 5	5 =	5 5	· =
Tenzo(a)anthracec	£ 5		5 E	5 5	S =	S =	5 5	5 5	S E	
Disactvlohthalate	939		5 2	5 5	5 =	5 =	S =	5 =	5 =	· =
Renzo(h) fluoranthene	95		5 =	5 =	5 =	5 5	5 =	5 =	5 =	
Benzo(k)fluoranthene	8		3 5	5 5	5 5	5 5	5 5	5	; 5 <u>;</u>	ם י
Benzidine	2000		5	5	5	5		5	5	D
33'Dichlorobenzidine	939		ñ	5	5	ñ	5	5	ö	Ð
Benzo(a)pyrene	330		ä	5	ñ	ñ	5	5	ö	ם
Indeno(1,2.3-cd)pyrene	330		5	5	5	5	ö	5	ລ	D
Dibenzo(a,h)anthracene	330		Ö	5	ñ	5	ö	5	ö	0
Benzo(ghi)perylene	330		ñ	5	5	5	ö	5	5	Ω

Table L-11 Site 3 Soil Page 3G

	Method	Location/OC No:	MW29.552	WW29.SS3	AUG ESS-62MM	ISS-06WM	WW30-SSI DUP	MW30-SS2	MW30-SS3	MW31-SS1
	Detection	Sample Depth, (0);	Į	14-15	14-15	0.1	0-1	9.11	14-15	3
	Limit			8-30-88	8-30 88	8-30-88		8-30-88	8-30-88	8-27-88
Parameter and Analysis Method		Field Sample No.: DANGB	DANGB-3-MW29-SG2 1 88082197	DANGIL3-MW20-SG3 E 88082198	MW29-SG3 DANGB-3-MW29-SG3A 88082198 88082199	DANGB-3-MW30-SG1 88082192	DANGB-3-MW30-SG1 DANGB-3-MW30-SGIA 89082192	DANGB-3-MW30-SG2 88082194	DANGB-3-MW30-SG3 89082195	DANGB-3-MW31-SG1 88082156
SEMI-VOLATILE ORGANICS (SW 8270) Page 1	W 8270) Page					•			*	
Data Padoage			9)	99	98	Ø#	<b>%</b>	<b>69</b> #	99.≱	423
1.3-Dichlorobenzene	88		5	5	ï	5	5	ສ	5	ā
I.A.Dichlorobenzene	330		5	5	5	ភ	ñ	Ü	ñ	ភ
Hexachloroethane	330	•	5		5	5	ñ	5	5	5
Bis(2-chloroethyl)ether	330		5	5	5	ñ	5	5	5 ⁻	5
1.2.Dichlorobenzene	330		5	5	5	ñ	5	ភ	ā	<b>5</b>
N-Nitrosodimethylamine	330		5	IJ	5	5	5	5	5	5
Dis(2-chloroisopropyl)cther	æ		5	5	<b>5</b>	<b>5</b>	5	<b>5</b>	5	5
N-Nitrocodi-n-propytamine	330		5	5	5	5	5	i i	5	<b>5</b> 1
Hexachlorobutadiene	ଞ୍ଚ		5	5	5	<b>:</b>	<b>5</b>	ñ :	<b>5</b>	<b>5</b> :
1,24-Trichlorobenzene	330		5	<b>5</b>	5	5 .i	<b>5</b>	5	5 i	5-:
Nitrobenzene	SE SE		5	5	5	5	5	5	5 :	5 ;
Isophornae	330		<b>5</b> :	5	5	5 ;	5	5 5	5 :	5 :
Naphthalene	330		5	5	5 :	<b>5</b> :	5 :	5 :	5.	5 :
Bis(2-chloroethoxy)methane	8		5 :	5 8	5 :	5 :	5 :	5 5	5 5	5 5
	<b>9</b> , 8		5 5	5 5	5 5	5 5	5 5	5 E	5 5	5-E
11 exaction recyclopronadiene	3 5		5 5	5 5	3 E	5 =	5 =	5 5	5 5	5 5
	3 5		5 E	5 =	;	5 =		5 5	5 5	5
	8 8		5 5	5 5	5 5	5 5	5	5	5	5
2,6 Dinitrotoluene	88		5	5	Ď	5	5	ņ	· 55·	5
Fluorene	88		5	ă	Ö	5	ın	5	ō	ລ
2,4-Dinitrotoluene	330		5	5	5	Ď	ñ	·5·	5	Б
Diethyl Phthalate	330		5	5	5	ភ	5	5	5	<b>5</b>
N-Nitrosodiphenylamine	330		5	5	<b>5</b> 1	5	<b>5</b> :	<b>5</b> :	5-1	5 :
Hexachlorobenzene	330		5 1	5 ;	<b>5</b> :	5 ;	5 :	5 3	5 :	5 -
Phenanthrene	8		5 :	3 5	5 5	5 5	5 5	5 5	5. E	5 5
Anthraces	8 8		5 E	5 5	5 5	5 5	5 5	5 5	5 5	
Division there	3 5		5 5	5 =	5 5	5 5	5 5	5	5	5
4-Chlorophenyl Phenyl Ether	8 8		5 5	5 5	5 5	5	5	5	Ď	ñ
Pyrene	330		ö	5	5	ñ	5	5	<b>5</b> .	ā
Butyl Benzyl Phthalate	33		5	5	5	5		ñ	5	<b>5</b>
Bis(2-cthythexyt)phthalate	330		5	5	ñ	ñ	5	ö	<b>5</b>	<b>5</b> :
Chrysene	330	•	5	5	5	ä	5	<b>5</b>	5	5 :
4.Bromophenyl Phenyl Ether	æ		5	5	ñ	5	5	5	5	5 :
Benzo(a)anthracene	330		5	5	5	5	5	5	<b>5</b>	<b>5</b> :
Di-n-octylphthalste	330		5	ភ	5	5	5	<b>5</b>	<b>5</b>	5 :
Benzo(b)fluoranthene	330		5	ñ	ö	5	5	<b>5</b>	5	5 :
Benzo(k)fluoranthene	330		5	ຣ	S	5	5	5	5 :	5 :
Benzidine	2000		5	5	5	<b>5</b>	<b>5</b> :	<b>5</b> :	5 :	5 :
3,3'-Dichlorobenzidine	8		ສ	5	Ď	Ħ	5	: :	5,	5 :
Benzo(a)jyrene	330		5	5	<b>5</b>	5 :	5 :	5 :	5 :	5 5
Indeno(1,2,3-cd)pyrene	330		5	5	5	5 :	5 :	5 :	5 5	5 5
Dixenzo(a,h)anthracene	330		5 :	5 :	5 ;	5 :	5 :	5 5	5 5	5 5
Benzo(ghi)perylene	330		5	5	5	5	5	5	5	5

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Table   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particul		Detection	Sample Depth, (ft):	0.0		11-12	20:21	0.1			10-11.5
18. 18. 18. 18. 18. 18. 18. 18. 18. 18.			Sample Date: Field Sample No. DA	8-27-88 NGB-3-MW31-SG2 DA	¥,	8-27-88 DANGB-3-MW33-SG2	8-27-88 5ANGII-3-MW33-5G3			B-25-88 DANGB-3-MW35-SG3	PANGB-3-MW35-SG3A
25 Gravering Page 1  26 Gravering Page 1  27 Gravering Page 1  28 St. St. St. St. St. St. St. St. St. St.	Parameter and Analysis Method		Lab Sample No.:	89082157	88082161	88082162	88082163		88082131		88082130
	SEMI-VOLATILE ORGANICS	(SW &270) Page	<b></b>								
	Data Package			27	123	133	123	<b>\$</b> 55	#55	\$\$	\$3
	13-Dichlorobenzene	330		5	5	5	ū	55	5	õ	5
	4.Dichlorobenzene	330		ລ	5	5	5	5	5	ລັ	.5
				5	5	5	5	ລັ	5	Ď	5.
				ñ	5	5	ລັ	5	ລ	ñ	5
	1,2.Dichlorobenzene	330		ñ	5	5	5	ö	ā	ă	5
	N-Nitrosodimethylamine	330		ñ	5	5	ñ	5	5	5	5
	Bis(2-chloroisopropy1)ether	330		5		5	5	5	5	5	5
	N-Nitrosodi-n-propytamine	330		5	5	5	5	5	5	ລັ	5
	l'exachlorobutadiene	330		5	5	5	5	5	5	ā	ā
	1,2,4-Trichlorobenzene	330		5	5	5	5	5	Ď	5	5
	Vitrobenzene	330		5	5	5	õ	5	5	ñ	5
	sophorone	330		5	ñ	ភ	ñ	5	ລັ	<del>ວ</del>	ສ
	Vaphthalene	330		5	5	ភ	ñ	ñ	ā	ī	5
	Bis(2-chloroethoxy)methane	330		5	5	5	5	5	<b>5</b>	ລັ	5
	2-Chloronaphthalene	333		5	ສ	5	5	5	<u></u>		5
	l'exachlorocyclopentadiene	330		5	5	5 :	<b>5</b> :	5 :	5 :		5 :
	Acenaphthykne	8 5		5 :	5 5	5 5	5 5	5 5	5 5	5 5	5 5
	Acenapathene	3 6		ö Ē	5 5	5 5	5 =	5 =	5 =		5 =
	26-Dinitrotoluene			5 5	5 5	5 5	5 5	5 5	5.5		5
	Juorene	æ		5	5	5	5	ñ	ñ	5	'n
	4.Dinitrotoluene	330		5	ī	5	5	5	in	ភ	i)
	Sictivit Phihalate	330		5	5	ñ	5		ī	5	ñ
	4.Nitrosodiphenylamine	330		5	ñ	<b>5</b>	5	5	5	<del>ອ</del> :	<b>5</b> i
330 330 330 330 330 330 330 330 330 330	lexachlorobenzene	330		5	5	5 :	5	<b>5</b> :	5. :	5 :	5 :
	Phenanthrene	330		5 5	5 5	5 5	5 5	5 2	5 5	5 5	5 5
330 330 330 330 330 330 330 330 330 330	Numerone Obsury Phibalate	3 2		3 3	5 5	5 5	5 5	5	5 5	5 5	5 5
330 330 330 330 330 330 330 330 330 330	Juoranthene	330		5	5	5	5	Ď	5	n	ñ
330 330 330 330 330 330 330 330 330 330	-Chlorophenyl Phenyl Ether	330		ő	5	5	n	i	5	ភ	ສ
330 330 330 330 330 330 330 330 330 330	Рутепе	330		ñ	ñ	ñ	5	ñ	5	ສ	<b>5</b> , ;
330 330 330 330 330 330 330 330 330 330	Butyl Benzyl Phthalate	8		5	5	<b>5</b>	5	Ď.	5	5 :	5 :
330 330 330 330 330 330 330 330 330 330	Bis(2-ethylbexy1)phthalate	330		ji i	5 :	<b>5</b> :	5 :	5 :	5 :	5 5	5 5
230 230 230 230 230 230 230 230 230 230	Chrysene	8		5 :	5 :	5 :	5 :	5 :	5 5	5 5	5 5
	Uromophenyl Phenyl Lither	<b>8</b> 8		5 5	5 5	5 5	5 5	S E	5 2		į E
	Section a service of the section	3 8		5 5	5 5	<b>5 E</b>	5 E	5 =	5 =		5 =
2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000	Dento(b) (normalised)	3 5		5 <b>=</b>	5 5	5 =	5 5	; <b>5</b>	5 5	5 5	5 5
2000 UI UI UI UI UI UI UI UI UI UI UI UI UI	Renzo(k)fluoranthene			5	Ş	5	ö	<b>.</b> 5	ລັ	ຼຸຣ	5
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Parameter and Analysis Method	Lab Sample No.:	88081943	R80R1976	88081977	88081972	88082202	88082203	88092248	88092249
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	4.Nitroaniline	160		5	5	5	5	<u>.</u>	<b>5</b>	5	. <b>5</b> .
Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participation   Participatio	N-Nitroso-di-n-butylamine	•		5	5	S :	ñ	ភ	5	<b>5</b>	<b>5</b>
1	N.Nitrosopiperidiene	•		5	<b>5</b>	<b>5</b>	5	<b>5</b>	5	<b>5</b>	<b>5</b>
1	Pentachlorobenzene	•		5	5	5	5	5	ö	ສັ	<del>ວ</del>
1	Pentachloronitrobenzene	•		<b>5</b> :	<b>:</b>	5 :	<b>5</b> ;	i :	5	5 :	5 ;
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C	2.Picoline	•		5	ä	5	ສ	5	5	ສ	5
Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   Harden   H	Pronamide	•		<b>5</b>	5	5	5	5	<b>5</b>	5	<b>5</b>
	12.4.5-Tetrachlorobenzene	•		5	<b>5</b>	5	5	5	<b>5</b>	<b>5</b>	<b>5</b> :
11   12   13   14   15   15   15   15   15   15   15	Alpha-MIC	•		5	5	5	5	5	5	5	<b>5</b>
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Secondary   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Company   Co	Heptachlor	23		<b>5</b>	5 :	<b>5</b>	5 :	5 :	5 :	5	
Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   S	Dena-inic	8		5 ;	5 :	5 :	<b>5</b> :	5 :	5 :	5 :	
Tepoxide 330	Aldrin	93		5 :	<b>5</b> :	<b>5</b>	i :	5 :	5 ;	<b>5</b> ;	
100	Heptachlor Epoxide	38		<b>5</b>		5	<b>5</b>	5	5	<b>5</b>	<b>5</b>
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Table L-11 Site 3 Soil Page 4F

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December   1	-Chloroaniline	8		5	5	5	5	5	ລັ		_
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C	4.5-Tetrachlorobenzene	•		5	5 5	5 5	5 5	; <b>5</b>	5 5	5 5	
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1.	nma-BHC	•		Ď	ñ	ä	ñ	ö	5	5	ā
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	dosulfan Sulfate	000		ä	ö	5	5	5	5	5	S

Table L-11 Site 3 Soil Page 411

I.M.		Location/OC No:	MW31-SS2	MW33-SSI	MW33-SS2	MW33-SS3	· MW35-SS1	WW35-SS2	W	MW35-SS3 DUP
Det		Sample Depth, (ft):	01.6	₹	11:12	20-21	0.1	23		10-11.5
Description A Assert	Limit	Sample Date: Field Sample No.: DA	Sample No.: DANGR-3-W93-SG2 DANGR-3-W93-SG2 Feed Sample No.: DANGR-3-W93-SG2 DANGR-3-W93-SG2 Fee Sample No.: DANGR-3-W93-SG2 PANGR-3-W93-SG3 Fee Sample No.: DANGR-3-W93-SG2 PANGR-3-W93-SG3 Fee Sample No.: DANGR-3-W93-SG2 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 PANGR-3-W93-SG3 P	8-27-88 ANGB-3-MW33-SG1		8-27-88 DANGB-3-MW33-SG3	8-25-88 DANGB-3-MW35-SGI		DANGB-3-M	8-25-88 LNGB-3-MW35-SG3A
Farameter and Analysis Method		Lao Sample No.:	VCIDANA N	(4808210)	K8082162	88082163	88082132	88082131	88082133	84082130
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 2	270) Contint	ucd page 2				•				
Benzyl Alcohol	8		5	5	5	5	5	5	ñ	5
Acetophenone	•		5	5	5	5	ō	5	Ē	5 5
Aniline			5	5	5	5	5	5	5	5
4-Aminotyphenyl	•		5	5	5	5	5	5		5
4-Chloroaniline	8		ā	5	5	ភ	ñ	5	5	5
1-Chloronapththalene	•		5	5	5	5	5	ລັ		5
Dibenzofuran	330		ñ	ñ	ā	ລ	5	5		5
p-Dimethylaminoazobenzene	•		5	ñ	5	5	ö	ລັ		.5
7,12-Dimethylbeny(a)anthracene	•		ñ	5	ā	5	5	5		5
a.a.Dimethylphenethylamine		•		5	5	5	5	5		ñ
Diphenylamine	•		'n	ĭū	in	ລັ	5	in	õ	ñ
1,2.Diphenythydrazine	•		5	5	5	5	5	5	5	5
Ethylmethynesulfonate			'n	5	ລ	5	ð	ລ		5
3-Methylcholanthrene	•		5	5	ñ	ភ	5	ວັ	5	ā
Methylmethanesulfonate	•		ö	15	5	ä	ສ	ກ	5	5
2-Methylnaphthalene	330		ij	'n	ñ	in	5	5	5	ົວ
			5	5	ñ	5	ij	5	5	5
2-Naphthylamine			5	5	5	5	5	5		5
	0091		5	5	5	ä	5	ລ		5
	8		ă	5	5	ລັ	5	5		ភ
	991		ö	5	5	5	5	5		5
N-Nitroso-di-n-butylamine			<b>5</b> ;	<b>5</b> :	<b>5</b>	<b>ສ</b> ່	5	5		5
N-Nitrosopipendiene			5	5	5	5	5	5		ສ
Pentachiorobenzene	•		5 :	5	<b>5</b> ,	5	<b>5</b> ;	ੜ-⊹		5
Pentachioronitrocenzene	•		5 5	5 :	5 :	5 :	5 :	5 3		5 :
Phenacetin			5 :	5 :	5 :	5 :	5 :	5 5		5 :
Z-roome			5 5	5 5	5 5	5 :	5 :	5 :		5 :
1 2 4 C Total Company	•		5 E	5 5	5 8	5 5	5 5	5 5		5 :
A fabragal			5 E	5 E	5 5	5 5	5 =	5 5	5 E	<b>;</b> . <b>5</b>
Gamma-BIIC			5 5	5 5	5 5	5 5	5 5	5 5		5 5
Beta-BHC .	8		ä	5	5	5	5	5 5		5 5
Heptachlor	330		ñ	5	ö	5	5	ä	•	5
Delta-BHC	8		5	Ď	5	5	5	5	ñ	ñ.
Aldrin	330		5	5	5	ï	5	5		5
Heptachlor Epoxide	330		5	5	ñ	ភ	5	ລ		ñ
Endosulian I			5	5	ō	ñ	5	5		5
Dieldrin	8		ä	5	5	5	ສ	<b>5</b>		5
4,4*DDE	100		ñ	5	5	5	ສ	Ą		5
Endrin	•		ij	5	5	5	5	5		5
Fudosulfan II			5	ö	5	5	ລ	5		5
44:DDD	8		ä	5	ຮ	5	ä	5		ij
4,4*.DDT	2		<b>5</b>	<del>5</del>	5	5	5	5		5
Endosulfan Sulfate	000		ä	5	5	5	5	ລັ	5	5
Endrin Aldehyde	•		ö	ä	ī	ij	ສ	5		õ

Table L-11 Site 3 Soil Page 5A

	Method	Location/QC No:	SGA0	SGAI	SGA2	SGA3	SGA4	SGA4 DUP	SGAS	SGBI
	Detection	Sample Depth, (ft):	0.5	0.5	0-5	0.5	0.5	0.5	0.5	0.5
	Limit	Sample Date:	8-16-88	8-16-88	8-16-88	8-16-88	8-16-88	8-17-88	8-17-88	8-16-88
		Field Sample No.	DANGB-3-SS-A0	DANGB-3-SS-A1	DANGB-3-SS-A2	DANGB-3-SS-A3	DANGB-3-SS-A4	DANGB-3-SS-A4	DANGB-3-SS-AI	DANGB-3-SS-BI
rarameter and Analysis Method		Lao Sampie No.	0061908/2061900	CCVISONS	88081929	K6081924	88081901	88081945	88081946	19418088/60418688
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	(SW 8270) Con	linued page 3								
Endrin Ketone	•		ח	õ	5	5	7	2	111.	2
Chlordane	2000		ם	5	5	5	: D	· >	5 5	5 5
Methoxychlor	•		ם	5	5	5	. >	• >	5	5
Tovaphene	2000		מ	5	5	ñ	5	D	5	5
Aroclor-1016	2000		ם	5	ñ	5	ם	D	5	ñ
Aroclor-1221	2000		ο.	ö	ö	ŏ	n	D	. <b>5</b>	5
Aroctor-1232	2000		Ð	ñ	ñ	ñ	Þ	n	5	5
Aroctor-1242	2000		n	ö	5	ā	כ	D	5	5
Aroclor-1248	2000		<b>¬</b>	ij	ā	ö	מ	ח	5	5
Aroctor-1254	2000		ם	5	ā	5	<b>&gt;</b>	>	5	5
Aroctor-1260	2000		Ω	ö	ī	5	מ	ם	5	5
2-Chlorophenol	330		n	ö	50	5	>	ח	5	ລັ
2-Nitrophenol	330		n	5	in	5	2	מ	5	5
Phenol	330		n	ñ	5	ö	ם	ם	5	.5
2,4-Dimethylphenol	330		ח	5	ñ	ā	ם	ח	5	5
4-Dichlorophenol	330		ם	5	ñ	55	5	ם	ā	5
A.6-Trichlorophenol	330		ם	ñ	5	5	n	D	5	5
4-Chloro-3-methylphenol	98		ב	ñ	ລ	ñ	D	n	5	5
24-Dinitrophenol	1600		ם	5	5	5	.D	ח	:5	בּ בּ
2,6-Dichlorophenol	•		ם	5	5	5	<b>&gt;</b>	<b>-</b>	5	5
2-Methyl-4,6-dinitrophenol	1600		ח	ñ	5	ñ	>	n	5	ភ
Pentachlorophenol	1600		ח	ñ	5	5	ח	מ	5	<u>.</u> 5
4-Nitrophenol	1600		=	5	5	5	כ		ā	5
Benzosc Acid	1600		n	5	5	ñ	Þ	ח	5	<u>ā</u>
2-Methylphenol	330		n	ö	'n	5	n	Ď	ā	5
3&4-Methylphenol	330		ם	5	5	5	<b>&gt;</b>	ם	ລັ	5
2,3,4,6-Tetrachlorophenol	•		n	5	5	ñ	Þ	<b>¬</b>	5	.5
2.4.5-Trichlorophenol	330		ח	5	5	ສ	<b>D</b>	n	5	5

Table L-11 Site 3 Soil Page 513

•	Method	Location/QC No:	SCH2	SCII3	SGCS	SGCI	SGC2	SGC	2002	SGCAR
	Detection	Sample Depth, (f):	9.5	0.5	0.5	0.5	0.2	0-5	0.5	0.5
	LImit	Sample Date:	8.17.48	8-16-88	8-16-83	8-16-83	8-16-88	8-16-88	8-31-88	9-27-88
		Field Sample No.:	DANGB3-SS-02	DANGB-3-SS-B3	DANGIR-3-SS-C0	DANGB-3-SS-CI	DANGB-3-SS C2	DANGB-3-SS-C3	DANGB-3-SGC4-SGI DANGB-3-SGC4-SSIR	NGB-3-SGC4-SS1
Parameter and Analysis Method		Lab Sample No.:	88081949	88081905	88081956	84081957	88081901/88081962	88081958	88092247	88092782
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	: (SW 8270) Con	tinued page 3			,					
Endrin Ketone	•		ñ	5	5	5	5	5	5	ö
Chlordane	2002		5	5	5	5	ö	5	5	·5
Methoxychlor	•		5	5	ñ	5	5	5	ä	5
Toxaphene	2000		5	5	5	ñ	5	ā	5	ລັ
Aroctor-1016	2002		5	5	ñ	ö	5	'n	5	5
Aroclor-1221	2000		5	in	ລັ	ລ	5	5	5	ä
Aroctor-1232	2000		5	n	5	5	ö	ā	ä	5
Aroctor-1242	2000		5	5	5	5	5	5	5	5
Aroclor-1248	2002		5	5	'n	5	5	ភ	5	5
Aroclor-1254	2002		5	5	5	5	5	ñ	ລັ	ñ
Aroctor-1260	2000		5	5	5	ā	5	5	5	ລັ
2-Chlorophenol	330		5	5	ñ	ñ	5	ö	5	ö
2-Nitrophenol	3£		ä	5	ñ	ñ	5	Ď	5	ņ
Phenol	330		5	5	in	5	5	5	ä	5
2.4-Dimethylphenel	82		5	5	ñ	ລ	5	5	5	5
2.4-Dichlorophenol	330		53	5	5	5	5	in	5	ភ
2.4.6-Trichlorophenol	330		n	ñ	5	5	5	ä	5	ñ
4-Chloro-3-methylphenol	93		'n	5	5	5	5	5	5	5
2.4-Dinitraphenol	1600		5	5	5	'n	5	Ď	ï	5
2,6-Dichlorophenol	•		5	ñ	ñ	5	5	ö	ņ	ä
2-Methyl-16-dinitrophenol	1600		ä	ñ	ñ	ñ	5	5	ij	<del>ວ</del>
Pentachlorophenol	1600		īn	5	5	ñ	5	ö	ñ	5
4-Nurophenol	1600		ä	ñ	5	i	ລ	5	ö	2
Denzoic Acid	1600		5	5	ສ	5	5	5	5	5
2-Methylphenol	æ		ñ	5	5	5	5	ö	5	2
3&4.Methylphenol	33		ä	ñ	5	in	ö	5	5	5
23.4.6-Tetrachlorophenol	•		5	5	5	ñ	5	ö	5	5
2.4.5-Trichlorophenol	33		5	5	ö	ö	5	5	ຣ	<del>ວ</del>

	Method	Location/OC No:	SGCAR DUP	Syc	SGD0	SGDI	SGD2	SGD3	SGD3 DUP	SGD4
	Detection	Sample Depth, (ft):	0.5	0.5	0.5	0.5	0-5	, 0.2		0.5
	Limit	Sample Date:	9-27-88	8-17-88	8-18-88	8-18-88	8-17-83	8-30-88	.8-30-88	8.17.88
		Field Sample No.: DANGB-3-SGC4-SS2R	GB-3-SGC4-SS2R	DANGB-3-SS-CS	DANGB-3-SS-D0	DANGB-3-SS-DI,	DANGB-3-SS-D2	DANGB-3-SCD3-SSI	DANGB-3-SCD3-SSI DANGB-3-SGD3-SSIA	DANGB-3-SS-DA
Parameter and Analysis Method		Lab Sample No.:	84077183	8008I341	88081973	88081975	88081922	00770183	88107201	SSUSINOS
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	(SW 8270) Con	tinued page 3		•						
Endrin Ketone	Í		5	5	in	ñ	ñ	ħ	ñ	5
Chlordane	2000	•	5	ä	5	ັລ	ä	ñ	ñ	<b>5</b>
Methoxychlor	•		5	5	ä	5	ອ	5	ភ	ສ
Toxaphene	2000		5	ň	in	5	5	ñ	5	ñ
Aroclor-1016	2000		5	ñ	ö	5	5	5	5	ສ
Arodor-1221	2000		5	ä	ä	ö	5	in	ä	ñ
Aroclor-1232	2002		5	5	5	ñ	ö	in	5	in
Aroctor-1242	2002		ສ	5	50	5	5	ñ	5	5
Arodor-1248	2000		5	5	5	ö		ā	ສົ	ā
Aroctor-1254	2000		ភ	ä	5	ລ	÷	ä		5
Arodor-120	2000		ä	5	ລ	ñ	ö	ີ ສັ		ñ
2-Chlorophenol	330		ä	5	5	ñ	ĭn	5		ສ
2-Nitrophenol	330		5	ົລ	ā	5	5	5		.io
Phenol	330		ñ	ñ	ñ	in	ñ	ñ		ñ
2.4.Dimethylphenol	330		ö	10	5	5	5	Š	5	5
2.4-Dichlorophenol	330		'n	5	ñ	5	5	5		5
2,4,6-Trichlorophenol	330		5	ñ	5	8	5	5		Ŝ
4-Chloro-3-methylphenol	93		ñ	5	in	i)	5	ā		ĵ,
2.4.Dinitrophenol	1600		5	5	5	ອ	ອ	5	ລ	໊
2,6-Dichlorophenol	•		5	5	5	5	5	5		5
2-Methy1-4.6-dinitrophenol	1600		ñ	5	ö	5	ລັ	5		ອັ
Pentachlorophenol	0091		ö	ລັ	5	5	3	5		ö
4-Nitrophenol	0091		ñ	5	ñ	5	5	5	•	5
Benzoic Acid	1000		ñ	5	ສ	ñ	5	5		5
2-Methylphenol	330		5	ñ	ñ	5	5	ñ	ວັ	5
3&4-Methylphenol	330		ອ	'n	5	ົລ	ສ	5		<del>ວ</del>
23.4.6-Tetrachlorophenol	•		ສ	5	5	5	ö	ñ		5
2,4.5-Trichlorophenol	330		5	ñ	ສ	5	ñ	5	ສ	ົລ

Table L-11 Site 3 Soil Page SC

8-31-88 DANGB-3-SGE4-SS1 88092349 SGE4 0-2 8-31-88 DANGB-3-SGE4-SS2 0.2 8-30-8 BANGB-3-SGE3-SGI DANGB-3-SGE3-SGIA 86082202 SGES DUP SGE2 0-2 8-18-88 DANGB-3-SS-E2 88081972 55555555555555555555555555555 SGEI 0-2 8-18-88 DANGB-3-SS-EI 22618088 0-2 8-18-88 DANGB-3-SS-E0 555555555555555555555555555555 0-2 &-17-88 DANGB-3-SS-DS 555555555555555555555555555 89081943 Location/OC No: Sample Depth, (ft): Sample Date: Field Sample No: Lab Sample No: SUMI-VOLATILE ORGANICS (SW 8270) Continued page 3 Method Detection Limit Parameter and Analysis Method 3&4-Methylphenol 23,4,6-Tetrachlorophenol 2,4,5-Trichlorophenol 2.4.6-Trichlorophenol
4-Chloro-3-methylphenol
2.4-Dinitrophenol
2.6-Dichlorophenol 2-Methyl-4.6-dinitrophenol Phenol 24-Dimethylphenol 24-Dichlorophenol Pentachlorophenol Aroclor-1212
Aroclor-1242
Aroclor-1244
Aroclor-1254
Aroclor-1200
2-Chlorophenol
2-Nitrophenol 2-Methylphenol Chlordane Methoxychlor Endrin Ketone Toxaphene Aroclor 1016 Aroclor 1221 4-Nitrophenol Benzoic Acid

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Table L11 Site 3 Soil Page 5D

S - happen

SGEA DUP

U	Site 3 Soil	

	Method	Location/OC No:	SC49	SGSI	SCSS	808	SGS7	SG58	MW25-SS1	MW25-SS2
	Detection	Sample Depth, (ft):	0.5	0.2	0.5	0.5	0.5	0.5	3	2.3
	Límít	Sample Date:	8-18-83	8-17-88	8-17-88	8-16-88	2.17.88	8-17-88	8-26-88	8-26-88
Personaler and Anabase Method		Field Sample No.	PANGB-3-SS-19	DANGB-3-SS-72	DANGB-3-SS-A3.5	DANGB-3-SS-A3.5	DANGB-3-SS-A2.5	DANGB-3-SS-Y2	DANGB-3-MW25-SSI	DANGB-3-MW25-SS2
		TO STATE AND THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P	Maloro	r.Cloron	10/10/00	0000000	000000	constant	G-170000	170000
SEMI-VOLATILE ORGANICS (SW 8270) Continued page 3	(SW 8270) Co	ntinued page 3								
Endrin Ketone	٠		5	5	ñ	5	5	5	ă	ä
Chlordane	2000		5	5	5	5	ñ	5	5	5
Methoxychlor	•		5	in	ñ	5	5	5	ö	5
Toxaphene	2000		5	ö	ö	5	ī	ñ	ລ	5
Aroctor-1016	2000		5	5	5	5	ö	ñ	'n	5
Aroctor-1221	2000		5	ä	ñ	ā	5	5	5	5
Aroclor-1232	2000		ä	Š	5	ñ	Ď	5	ភ	5
Aroclor-1242	2002		5	5	5	ñ	ö	S	5	5
Àroclor-1248	2000		5	5	5	ñ	ñ	5	5	ວັ
Arockor 1254	2000		5	5	5	5	5	ä	ñ	5
Aroclor-1260	2000		5	5	ā	5	'n	ñ	5	5
2-Chlorophenol	330		ä	i	5	5	5		5	-
2-Nitrophenol	330		ຣ	ö	5	5	5	ລ	ភ	
Phenol	330		5	ລ	ñ	5	5	5	ö	_
2.4-Dimethylphenol	330		5	5	5	ອ	ö	ñ	5	
2.4-Dichlorophenol	33		ā	ö	ñ	5	5	in	ä	
Z.4.6-Trichlorophenol	330		5	5	ñ	5	5	5	5	5
4-Chloro-3-methylphenol	93		ä	5	5	5	5	ສ	5	5
24-Dinitrophenol	1600		5	ä	5	ö	5	5	5	5
2,6-Dichlorophenol	•		5	ï	5	5	'n	5	ລ	5
2-Methyl-4,6-dinitrophenol	1600		ñ	5	5	ñ	5	5	ö,	ຸສຸ
Pentachlorophenol	1600		5	ö	5	5	ā	5	ລ	5
4-Nitrophenol	1600		5	5	5	5	5	5	ă	5
Benzoic Acid	1600		5	5	5	5	5	ñ	ີ່ລ	ä
2-Methylphenol	330		5	5	5	ñ	5	5	ä	5
3&4-Methylphenol	æ		5	ö	5	ö	S	5	້ອ	5
2,3,4,6-Tetrachlorophenol	•		ö	5	ä	5	5	5	5	5
2.4.5-Trichlorophenol	330		5	5	ວ	5	5	5	5	

Table L-11 Site 3 Soil Page 5F

Perceion   Sample Depth, (f)   1445   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   644   64		Method	Location/OC No:	MW25-SS3	MW27-SS1	MW27-SS2	MW27-SS3	MW28-SSI	MW28-SS2	MW28-SS3.	ISS-62/MW
Parameter and Analysis Method   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretary   Secretar		Petersion	Cample Denth. (ft):	14-15	0.1	5.6	14-15	2	23	14.15	3
Field Sumple No.2   ANNOID-3ANWIZESSS   DANGID-3ANWIZESSS   DANG		Tinis	Sample Date:	82,588	8.24.88	8.24-88	8-24-88	8-77-88	8-27-88	8-27-88	8-30-88
Parameter and Analysis Method		i		DANGB-3-MW25-SG3	DANGIL3-MWZ7-SSI	DANGB-3-MW27-SS2	DANGB-3-MW27-SS3	DANGB-3-MW28-SSI	DANGB-3-MW28-SS2	DANGB-3-M	DANGB-3-MW29-SS1
Endring Ketone   2000	Parameter and Analysis Method		- 1	88082148	RR0R2102	88082103	88082104	-	88082159	88082160	88082190
Endrin Ketone	SEMI-VOLATILE ORGANICS (	(SW 8270) Con	stinued page 3								
Mathopsychor   2000	Godein Ketone	•		5	5	5	ā	5	5	5	ח
Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid   Nethosyleid	Chlondane	2000		ā	5	5	ñ	5	5	5	a
Toughther   2000	Methosoflor	'		5	ລັ	5	5	ñ	5	i i	כ
Archaeloside         200         UI	Townshear	2000		ñ	ö	5	'n	õ	ñ	5	n
Arcefor/121         2000         UI	Amelon 1016	0002		5	5	5	5	ñ	5	5	<b>-</b>
Aredocistat         2000         UI	Amount 1931	900		5	5	5	5	ö	5	ä	<b>&gt;</b>
Arcolor/124         200         UI	A	8 62		5	5	5	'n	ī	5	5	5
Aredeol/124         200         UI	Acceptable 222			5	ñ	5	5	5	5	5	ם
Ancelos Lists         2000         UI	Arodorizat	3 8		5 =	5	ñ	5	5	5	5	ם
Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelation         Arcelat	Aroctor-Las	3 8		5 5	5 5	5	ລ	'n	5	5	D .
Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	Arctication	3 8		5 5	5 5	5	5	5	5	5	ם
Section place of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control	Arction Land	£ 5		5 5	5	5	5	ñ	5		n
330 330 330 330 330 330 330 330 330 330	2 Victorial	8 8		5 5	ñ	5	ñ	5	5		ר
24-Directlyphenol         330         UI	Zantopnenot	3 5				5	5	5	5		n
24-Dimensiparent         330         UI	r nenoi	¥, £		5	5	5	5	5	5		ח
4-Choraloraphenol         330         UI	Z. Umeinyphenol	3 8		5 5	5	5	5	5	ñ		<b>D</b>
24/e-Treshorophenol         330         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01         01 <td>Z4-Dkinorophenos</td> <td>3 2</td> <td></td> <td>5 =</td> <td>=</td> <td>153</td> <td>5</td> <td>5</td> <td>5</td> <td>ī</td> <td><b>D</b></td>	Z4-Dkinorophenos	3 2		5 =	=	153	5	5	5	ī	<b>D</b>
4-Chorometryphenol 600 UI UI UI UI UI UI UI UI UI UI UI UI UI		Ŗ <b>Ş</b>		5 =		5	in	ö	5	5	Ð
24-Distinguisherol         100         UI         UI <td>•</td> <td>3 5</td> <td></td> <td>5 5</td> <td>5</td> <td>5</td> <td>5</td> <td>ñ</td> <td>5</td> <td></td> <td>a</td>	•	3 5		5 5	5	5	5	ñ	5		a
2-b-Isoniorophenol         2-b-Isoniorophenol         UI	- '	3		; <b>=</b>		5	5	5	5	5	2
100   100   100   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101   101		' §		; <u>=</u>	5 =	5	5	5	ä	5	כ
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1600 1600 1611 1611 1611 1611 1611 1611	Pentachlorophenol	881		5	5 :	5 5	; =			5	<b>D</b>
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phenol . UI UI UI UI UI UI UI UI UI UI UI UI UI	3.44.Methylphenol	33		5	5	5	5		5		· :
5	224 & Tetrachlomoberol	•		5	5	5	5	ö	õ		<b>&gt;</b> :
	2 4 CT-14 lamost and	330		5	5	5	5	5	ລັ	<b>5</b>	<b>5</b>

	Method	Location/QC No:	MW29-SS2	NW29-SS3	MW29-SS3 DUP	MW30-SS1	MW30-SSI DUP	MW30-SS2	ESS-0EMW	ISS-IEMW
	Detection	Sample Depth, (ft):	34	14-15	14·15	6.1	. 3	11.6	14-15	3
	Limit	- Sample Date:	8-30-88	8-39 88	8-30-88	8-30-88	8-30 88	8-30-88	8-30-88	8-27-88
		Field Sample No.	Field Sample No.: DANGE 3-MW29-SS2	DANG	A:3-MW29-SS3 DANGB-3-MW29-SS3A	DANGB-3-MW30-SSI DANGB-3-MW30-SSIA	ANGB-3-MW30-SS1A	DANGB-3-MW30-SS2	DANGB-3-MW30-SS3	DANGB-3-MW31-SS1
retainerer and Amysis inclind		Low Sample NO.	(A)	02170000	00004199	7617000	CA179000	×(170000		170000
SEMI-VOLATILE ORGANICS (SW \$270) Continued page 3	V 8270) Conti	inued page 3				•				
Endrin Ketone	•		ñ	5	ñ	ñ	5	ă	5	
Chlordane	2002		ñ	5	ā	5	õ	ñ	ວ	
Methoxychlor			ä	ă	5	5	ö.	5	5	
Toxaphene	2002		ភ	ö	55	ō	5	'n	5	
Aroctor-1016	2000		ຄ	ñ	5	ö	in	in	5	
Aroclor-1221	2000		5	ö	5	5	ö	ä	Ď	5
Aroctor-1232	2002		ភ	ñ	50	ភ	5	5	5	
Aroclor-1242	2000		5	5	ý	5	in	ā	5	
Arodor-1248	2000		n	5	10	ñ	5	5	5	
Aroclor-1254	2002		ñ	ລ	in	'n	5	5	5	
Aroclor-1260	2002		ň	5	ົລ	ລ	ä	ö		
2-Chlorophenol	330		5	5	io	ñ	ñ	5		
2-Nitropheno!	330		5	5	5	5	5	ă		
Phenoi	330		5	5	'n	5	i	ñ		
24-Dimethylphenol	330		ä	5	5	ñ	ñ	5		5
2.4-Dichlorophenol	330		ñ	5	5	5	ñ	5		
2.4.6-Trichlorophenol	330		5	5	5	5	ö	ສ		ລັ
4-Chloro-3-methylphenol	98		5	ä	5	ñ	ö	ລ		
2,4.Dinitrophenol	1600		5	ລ	5	5	5	õ		
2,6 Dichlorophenol			5	5	55	5	ä	5		
2-Methyl-4,6-dinitrophenol	0091		ñ	5	5	5	ñ	ñ		
Pentachlorophenol	1600		5	5	5	5	5	5		
4-Nitrophenol	0031		5	5	ö	ñ	ñ	5		
Bentoic Acid	1600		ä	5	i	5	ñ	5		
2-Methylphenol	330		5	5	5	5	5	ā		
3&4-Methylphenol	330		5	5	5	5	5	5		
2,3,4,6-Tetrachlorophenol			5	ä	5	ä	5	ລັ		
24.5-Trichlorophenol	330		ວ	5	5	ñ	5	<del>ກ</del>	ັສ	,

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	MW35-SS2 2-3 8-25-88
September 1	13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS 13 SS
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	MW33-SS3 20-21 8-27-88
	AANGBAA
-in-Christians.	MW33-SS2 11-12 8-27-8 3-3-MW31-SS2
	St DANGE
	MW33-SS1 0-1 8-27-88 8-XX-88
	MW31-SS2 9-10 8-27-88
	A DANGB-3-8
	Location/OC No: Sample Depth, (ft): Sample Date: Field Sample No:
	Method Detection S Limit
	Me. Detec
1	

Table L-11 Site 3 Soil Page SII

	Method	Location/QC No:	MW31-SS2	ISS-ECWIA	MW33-SS2	ESS-ESMM	MW35-SSI	MW35.552	MWASSES	MW75.cc3 Dilb
	Detection	Sample Depth, (ft):	9.10	5	11-12	20-21	1.0	2.3	10-11-5	10-11-5
•	Limit	Sample Date:	8-27-88	8-27-88	8-27-88	8-27-88	8-22-88	8-25-88	8-22-88	8-22-88
		Field Sample No.	DANGB-3-M	DANGE-3-MW33-SSI	DANGB&MW33-SS2	DANGB-3-MW33-SS3	DANGB-3-MW35-SSI	DANGB-3-MW35-SS2	DANGB-3-MW35-SS3 DANGB-3-MW35-SS3A	NGB-3-MW3S-SS3A
Parameter and Analysis Method		Lab Sample No:	88082157	88082161	88032162	83082163	88082132	88082131	88082133	86082130
SEMI-VOLATILE ORGANICS (SW 8270) Continued 178 8	; (SW 8270) Con	uinued page 3								
Endrin Ketone	•		5	5	5	ັລ	ñ	5	ö	5
Chlordsne	2000		5	i	n	5	5	5	5	5
Methoxychlor	•		5	5	10	5	5	5	5	5
Toxaphene	2000		5	50	5	.5	ö	n	5	5
Aroclor-1016	2000		5	5	ລັ	Ð	ñ	ភ	5	5
Aroctor-1221	2000		5	5	ñ	5	in	5	ñ	5
Aroclor-1232	2000		5	5	5	Ď	ö	ö	ត	ö
Aroclor-1242	2002		5	ä	5	5	ö	5	5	5
Arodor-1248	2000		ā	5	5	ä	5	5	ລັ	ä
Aredor-1254	2000		ñ	5	n	ñ	5	5	5	ā
Aroclor 1260	2000		ö	5	5	5	5	E.	ລ	ັສ
2-Chlorophenol	330		5	ö	ñ	5	5	ö	ā	Ď
2-Nitrophenol	330		ñ	ö	5	i	5	ภ	Ś	Š
Phenoi	330		ä	ö	ă	5	5	n	ភ	Š
2.4-Dimethylphenol	330		5	ñ	5	5	5	<b>~</b> 5	5	Ė
24.Dichlorophenol	88		5	5	ລ	5	ö	5	5	5
24.6-Trichlorophenol	330		5	ລັ	in	ij	ö	5	5	Ì
4-Chloro-3-methylphenol	8		5	ö	ñ	5	5	5	5	ā
24-Dinitrophenol	1600		5	5	5	5	in	5	ñ	5
2.6-Dichlorophenol	•		ສ	5	5	5	Ð	5	ñ	ä
2-Methyl-4,6-dinitrophenol	0091		ສ	5	in	5	5	5	5	ñ
Pentachlorophenoi	1600		5	5	in	ñ	i	Ð	ລັ	5
4-Nitrophenol	1600		5	5	in	5	5	ö	5	õ
Benzoie Acid	1600		ສ	5	ñ	5	5	5	5	5
2-Methylphenol	330		5	5	5	55	5	5	5	ñ
3&4.Methylphenol	330		5	50	5	in	5	5	5	ລ
2,3,4,6-Tetrachlorophenol	•		5	5	ñ	5	ñ	ä	5	ຣັ
2.4.5-Trachlorophenol	330		5	ភ	5	ັລ	Ď	in	î	ñ

Tacke Lall Sue 3 Soil Page 6A

Parameter and Analysis Method	Detection. Limit	Sample Depth, (n): Sample Date: Field Sample No: Lab Sample No:	9-2 8-16-8 DANGIP-3-SG-A0 R9081902/850819/0	9-2 8-16-88 DANGII-3-SG-A1 88081955	0-2 8-16-88 DANGII	0-2 8-16-88 DANGB-3-5G-A3 88081954	6-2 8-16-8 DANGB-3-8G-A4 RR081904	0-2 8-17-8 DANGB-3-SG-A4 86031945	0-2 8-17-88 DANGB-3-SG-A1 83081946	0-2 8-16-88 DANGB-3-SG-BI 88081903/8808195
PESTICIDES AND PCB's (SW 8080)	:W 8080)									
Data Package			118	3.	151	7.7	118	3.	35.	<b>₹</b> 18
Aldrin	0.05		ם	n	n	ח	n	n	Þ	ב
Alpha-BHC	0.05		n	מ	ם	ם	ח	כ	n	ם
Bets-BHC	\$0.0		ח	n	D	n	D	D	ם	מ
Delta-BHC	50.0		כ	ח	•	ם	ם	ם	ח	ח
Gamma-BHC	0.05		ב	5	n	D	ב	ם	ם	ם
Chlordane	0.5		ב	ם	ם	<b>ɔ</b>	D	ח	ם	ם
4A:DDD	0.10		⇒ :	<b>5</b> ;	<b>ɔ</b> :	ם :	<b>ɔ</b> ;	<b>:</b>	<b>:</b>	<b>D</b> .;
4,4*DDE	0.10		<b>&gt;</b> :	; כ	<b>&gt;</b> :	<b>D</b> :	g :	<b>.</b>	<b>&gt;</b> :	<b>D</b> :
4,4:DDT	0.10		<b>ɔ</b> :	<b>:</b>	<b>:</b>	<b>5</b> :	۶:	<b>:</b>	⊃ :	<b>&gt;</b> :
Diejana	2: X		- <b>-</b>	ם כ	ב כ	<b>)</b>	<b>&gt;</b> =	<b>)</b>	o :	) :
Endocutian i	9 6		) =	<b>-</b>	2	<b>&gt;</b> =	)	<b>&gt;</b> =	o 2	) ;
Endocultan Suffere	0.50		) =	> =	) =	> =	=	> =	) =	> =
Grande Strain	25		> =	) =	. ב	> =	=	2	> =	-
Chann	010		<b>7</b>	ב כ	o =	<b>&gt;</b> =	> =	<b>.</b> E	o =	> =
replacation	8		<b>&gt;</b> =	> =	2	) =	o.=	, <u>-</u>	> =	,
Heparenor apoxide	9 2		) <u>:</u>	) <u>=</u>	<b>&gt;</b>	כ ב	<b>-</b>	<b>-</b>	o =	> =
McRockychlor	3 :		<b>-</b>	9 =	) :	) :	> =	2	) :	
ioxaphene	3 5		o :	ב כ	<b>-</b>	<b>&gt;</b> =	2	o =	> =	כ כ
rcis-1010	3 3		<b>&gt;</b> :	<b>5</b>	<b>&gt;</b> :	<b>5</b>	> =	2	<b>&gt;</b> =	)
rce-12d	9 6		> =	) <u>:</u>	> =	<b>-</b>	) =	<b>-</b>	<b>=</b>	o•
201-100a	3 8		=	=		> =	· =	=	=	, =
PCB-1248	20		) =		=	> =	) D	) D	) D	) <u> </u>
PCn.124	2		=	- =	=	=		, p	, <b>a</b>	ם ה
PCB-1260	9		) D	5	כי	<b>5</b>		ם י	כי	2
TOTAL PETROLEUM HYDROCARBONS (EPA 41&1)	ROCARBONS (E	PA 41&1)								
Data Package			#18	Z	3.	3,	<b>#</b> 18	35.	35.4	418
Units: mg/kg	8		<100	v100	< 100	<100	<100	<100	<100	<193.
MOISTURE										
Data Package			#18	3	151	35.	118	15.1	3.4	¥18
Units: Weight Percent			15	142	17.71	77	183	11.2	56.1	222
METALS (Units: mg/kg)										
Data Package			<b>81</b>	3,	3,	3.	/18	3	3.	<b>₽18</b>
Amenia (CW myn)	Æ		~ \$0 F	5105>	- SDE	<50F	<50.6	<50E	<50 E	<50 E
Nation (SW 6010)	·		784	73.7	2	60.4	992	70.3	114	863
Cadmium (SW 7131)	9		N. 70I	129 N	123 N	12.5 N	N.0.11	787	62 N	N. 1.7.
Chromium (SW 7191)	v		28.7	38.1	26.9	30.5	2007	24,4	22.8	45.9
Lead (SW 7421)	07		120 S N	1.7	3.8	12.7 S	8.7 S N	8.2	303	8.7 S N
	;		101		10>		10>	102	5	

Table L-11 Site 3 Soil Page 68

TOURS!	Location/OCN0:	2000	200	2,4	3	255	3	5	
Detection	v	0.5	0.5	0.5	0.5	, 0.2	0.5	6.5	6.5
Limit		8-17-88	8-16-88	8-16-88	8-16-88	8-16-88	8-16-88		9-27-88
Parameter and Analysis Method	Field Sample No.: Lab Sample No.:	DANGB-3-5G-B2 88081949	DANGB-3-SG-II3 88081905	DANGB-3-SG-C0 89081956	DANGII-3-SG-CI 88081957	DANGB-3-SG-C2 88081901/88081962	DANGB-3-SG-C3 88081958	DANGB-3-SGC4-SG1 88092247	DANGB-SGC4-SGIR 88092782
PESTICIDES AND PCII's (SW 8080)									
Data Package		33/	817	33.	25.	¥18	354	₩46	\$2.
Aldrin 0.05	•	ם	, D	מ	ם	ח	ח	ס	ה י
BIC	•	2	>	ס	Þ	n	ם	D	ס
		>	ם	Ð	D	D	n	n	•
•		<b>-</b>	ם	n	Þ	ח	ם	ם	ח
Gamma-BifC 0.05	<b>1</b> 0	ב	ם	כ	ם	n	ח	ם	ם
		ח	Ω,	ם	D	n	ח	Ω	ח
•		ח	<b>ɔ</b>	ם	ב	110	ם	ם	ם
es.	•	ח	D	ח	37	19	Ω	ח	5
44:DDT 0.10	•	\$7	P	ס	8	200	ם	42	ב
Diekfrin 0.10	•	>	ב	>	n	•	D	ם	ח
Endosulfan I 0.05	10	n	n	Ċ	Þ	ח	2	n	•
Endosulfan II 0.10		ם	<b>.</b>	ם	Þ	ם	מ	D	מ
Endosulfan Sulfate 0.10	•	D	Ð	>	Þ	ם	ח	Þ	כ
Endrin 0.10	•	ם	ח	n	D	ם	ם	ב	ם
Heptachlor	14	ב	ח	<b>&gt;</b>	D	ח	ח	D	ב
Heptachlor Epoxide (	•	ב	<b>-</b>	<b>&gt;</b>	ב	מ	ב	<b>&gt;</b>	<b>5</b> ;
br	<b>1</b> 0	Þ	Þ	<b>&gt;</b>	<b>:</b>	<b>D</b> :	: C	<b>&gt;</b> :	<b>&gt;</b> :
Toxaphene		<b>:</b> c	<b>:</b>	<b>&gt; :</b>	<b>&gt;</b> :	<b>:</b>	<b>)</b>	<b>:</b>	<b>&gt; :</b>
		<b>:</b>	<b>&gt;</b> :	<b>-</b> :	<b>&gt;</b> :	<b>)</b> :		)	<b>&gt;</b> :
PCD-1221 0.5	~ ·	כ כ	<b>-</b> -	<b>-</b> -	<b>&gt;</b> =	) <b>:</b>	) <b>=</b>	> <b>=</b>	<b>&gt;</b> =
		> =	> =	> =		=	=	? =	
rentat, 03		=	) =	> =	<b>&gt;</b> =	`	ממ	ממ	כס
		) =	> =	=	· =	=	ח	908	מ
		ם	ם	ח	כי	D	ם	מ	
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	(S (EPA 418.1)								
Data Package		ž	118	3.	X.	<b>*</b> 18	3.	446	425
Unite: mg/kg 100		< 100	<100	< 100	27	130	<100	Note 1	100
MOISTURE									
Data Package		3	¥18	15.4	3	81.4	33/	# 16	425
Unite: Weight Percent		24.9	194	14.5	21.1	162	113	Note 1	7,0
METALS CHAILE AND DAY									,
מיבועים (ביייני יישעים)		•			•	9	***		3¢#
Data Package		3	814	Z	3	101 h	3		3
•	•	<50E	<50 E	<5.0 E	<\$0E	<50 E	<5.0 E	Note 1	148
Barium (SW 6010) 5	'n	1.23	6.00	7.67	73.8	62.9	808		31.8
	0	125 N	N . FOI	N L'6	164 N	123 • N	N 5 01		22
£	8	26.8	7:07	24.6	A16	439	30.1		N 7.71
Lead (SW 7421) 02	8	134	12.2 N	<i>C.</i> 1.	12.6	10.2.S.N	10.83		77
	•	-							

_		
Table [-1]	Site 3 Soil	Page 6C

Description	Metalin Sample Dendy (0):	200	2	6.0		200			
1	,	6.5	8-17-88	88-81-8	8-18-88		83058	8-30-88	8-17-88
Parameter and Analysis Method	Field Sample No.: Lab Sample No.:	No.: DANGB-SGC4-SG2R No.: 8807783	DANGIB-3-SG-CS 88081944	DANGB-3-SG-D0 88081973	DANGB-3-SG-D1 88081975	DANGB-3-SG-D2 88081952	DANGB-3-SGD3-SG1 DANGB-3-SGD3-SG1A 88102201	5B-3-SGD3-SG1A 88102201	DANGB-3-SG-D4 88081953
PESTICIDES AND PCB's (SW 8080)									
Data Package		221	151	130	£39	151	#51	<b>₹</b> 51	3.
Aldrin	STO	<b>n</b>	ב	ח	מ	מ	a	ב	5
2	900	ם	n	ם	Ω	ח	D	ם	ב
	900	ח	2	Ω	ם	n	D	ם	ם
	ons	ສ	D	Þ	כ	ס	n	ם	ב
υ	5005	ם	Þ	ח	ם	D	D	Þ	Þ
Chlordane	0.5	כ	כ	D	Ω	D	n	, <b>"</b>	ח
4.DDD	0.10	כ	ם	n	89	ח	<b>.</b>	n	n
4,4.DDE	0.10	מ	n	D	ח	Ω	n	Đ	n
4,4'.DDT	0.10	ס	כ	2	รง	מ	ח	ם	ם
Dieldrin	0.10	ב	ם	ח	n	n	n	Đ	<b>ס</b>
Endosulfan I	0,05	כ	ם	ם	ח	D	מ	Þ	2
_	0.10	כ	כ	2	2	Ω	D	ח	כ
Endosulfan Sulfate	0.10	ם	ם	Đ	כ	n	ם	2	<b>5</b>
	0.10	ם	ב	ם	ם	n	ח	D	ם
Heptachlor	500	ם	ם	ם	D.	0	ລ	P	
xxide	500	ם	ם	ם	ם	ב	Ð	ח	Ð
Methoxychlor	50	ב	ם	Ð	D	<b>-</b>	D	<b>5</b>	
Toxaphene	<b>01</b> '	: כ	<b>:</b>	<b>D</b> :	: כ	<b>)</b>	<b>D</b> :	<b>ɔ</b> :	<b>:</b>
PCI3-1016	50	o :	<b>&gt;</b> :	<b>)</b>	<b>)</b>	o :	<b>&gt;</b> :	<b>:</b>	<b>&gt;</b> :
PCB-1221	20	2	> =	<b>&gt;</b> =	0 =	<b>&gt;</b> =	<b>&gt;</b> =	ם ב	כ כ
PCB-1243	3 5	=	> <b>=</b>	> =	> =	> =	) =	,=	
PCB-1248	20		=	) =	) =	> =	· =	ממ	
PCB-1354		=	=	=	. =	=		· =	
PCB-1260	1 2	כמ	ם ס	e ה	ם	o ח	כי	ם י	, D
•									
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	30NS (EPA 418.1)					*			
Data Package		22	3	430	<b>4</b> 30	18	15#	15#	35.4
Unite: mg/kg	. 001	<100	150	< 100	<100	<100	<100	< 100	8
MOISTURE									
Data Packate		125	15.4	624	139	151	151	<b>*</b> €SI	35*
Unite: Weight Percent		75.	28.7	163	83	5.9	8.1	7.9	12
METALS (Units: n1g/kg)									
Data Package		125	151	130	139	15.4	18.1	<b>#</b> 21	3.
Arsenic (SW 7060)		128	<5.0 E	<5.0 F	<50 E	<5.0 E	<5.0 N E	<5.0 N E	<50 E
Barium (SW 6010)		39.5	601	101	43.1 •	8	55.8	58.8	44.8
Cadmium (SW 7131)		34	N93	N • 611	N. YO	N 9'01	N FL	9.2 N	12.0 N
Chromium (SW 7191)		N951	180	38	27.5	20.2	31.8	42.8	30.2
Lead (SW7421)		41.2.5	S 6'6	N • 09	Z. 0.7	17.8	Z ::7	202	9.1.S
		1 4 1			•	•			•

Table [...] Site 3 Soil

Method	d Location/QC No:	SGDS	SGED	SGEI	SGE2	gibs	SGE3 DUP	Mads	SGE4 DUP
Detection	Samp	0.5	0.5	0.5	0.5	0.5	0.5	.0.5	9.5
Limit	14	8-17-88 Dangb-3-50-d5	8-18-88 DANGB-3-SG-E0	8-18-83 DANGII-3-SG-III	8-18-88 DANGB-3-SG-E2	8-30-88 PANGB-3-SGE3-SGIA DANGB-3-SGE3-SGIA	A102-E302-C-BDN	8-31-88 DANGB-3-SGE4-SG2	8-31-88 DANGB-3-SGE4-SG1
Parameter and Analysis Method	Lab Sample No.	88081943	88081976	88081977	89081972	88082202	88082203	88092248	88092249
PESTICIDES AND PCB's (SW 8030)							•		
Data Package		33/	62)	439	#39	151	121	#46	<b>9</b> ,46
Aldrin 0.05	2	ס	ס	ם	ח	D	D	ם	ס
Alpha-BilC 0.05	አ	ב	ס	<b>&gt;</b>	ם	ם	ם	ם	· >
Beta-BHC 0.05	22	Þ	ם	Ð	ם	ח	ם	5	5
Delta-BilC 0.05	×	D	ס	כ	ם	<b>&gt;</b>	מ	n	כ
Gamma-BiiC 0.05	×	ם	ם	Ð	D	ם	Ú	ם	ס
Chlordane	0.5	Ð	מ	ם	Đ	ם	ם	Ð	D
	0		n	D	n	ົ	ם	ח	Ð
	•	כ	כ	Þ	מ	ם	ם	ח	D
	0	כ	প্ল	ם	ב	D	D	Þ	ס
	Q	5	ח	ם	ם	ם	D	D	ם
	י מי	<b>5</b>	ה י	י כ	ם	ם	ם	ם	ם
	o.	ם	ח	D	Þ	ם	ם	ב	Þ
ifan Sulfate	0	<b>5</b>	בי בי	D	ב	n	ם	n	,
Endrin	0	<b>5</b>	<b>&gt;</b> 1	<b>5</b>	ם י	מ	D	ח	ח
licyachlor	22	י כ	ם	n	Ð	ם	n	ם	<b>ɔ</b>
oxide.	ν.	<b>D</b> ;	<b>:</b>	<b>5</b> :	: כ	n :	ים י	ם י	: כ
Methoxychlor	<b>~</b>	<b>D</b> :	<b>:</b>	<b>ɔ</b> :	<b>:</b>	D:	מ כ	<b>ɔ</b> :	: c
	91	<b>:</b>	<b>&gt;</b> :	<b>&gt;</b> :	<b>:</b>	o :	<b>&gt;</b> :	<b>:</b>	<b>&gt;</b> :
reminio c.	70 70	<b>)</b> :	<b>:</b>	<b>)</b> :	<b>)</b> ;	<b>ɔ</b> , <b>:</b>	o:	Э;	<b>&gt;</b> :
	3 2	<b>&gt;</b> =	) <u>:</u>	0 =	o =		o :	o =	<b>&gt;</b> =
	3	=	> =	;	> =		) t	) E	> =
	50	כס	) <b>&gt;</b>	2	5	) =			
	OI.	=	2	· =	=	· =	=		=
	10	ם י	2	; <b>ɔ</b>	ם מ	) D	), <b>D</b>		0 5
									•
TOTAL PETROLEUM HYDROCARBONS (EPA 4181)	NS (EPA 418 1)								
Data Package		25.	139	£30	<b>\$</b> 30	451	#21	<b>\$46</b>	446
Unite: mg/kg 100	Q	<100	× 100	v100	<100	< 100	×100	< 100	<100
MOISTURE									•
Data Pacture		35/	139	£33	#39	15#	121	<b>≱</b> 46	446
Units: Weight Percent		169	8.1	17.3	9.8	9.5	66	5.7	100
ì									
MITALS (Units: mg/kg)						4			•
Data Package	•	Z.	139	439	€36	151	154	#46	<b>\$</b> 46
Arsenie (SW 700)		<50 E	<5.013	<\$0E	<5.0 E	300K	<5.0 N E	<50 E	<5.0
Darium (SW 6010)		56.4	27.6	98.7	.03	5.8.7	*	39.7	0.11
Cadmium (SW 7131)		N 6:01	N.S.II	N • EF6	N. 0'11	N 6'6	N C'01	N.C.S	N 09
Chromium (SW 7191)		19.2	289	362	31.8	<b>E</b>	27.9	25.9	, 20,6
Lead (SW 7421)		93	N. 1.S	10.2 N	N • 59	7.2 N	7 .	\$ †	45
Mercury (SW 7471)		<0.1	<0.1	1'0>	<0.1	1'0>	<0.1	<0.1	<0.1

Detection Limit Parameter and Analysis Method							•		
	Sample Depth, (n):	0-7	0.5	0.5	0.5	0-5	5	3	2.3
Parameter and Analysis Method		8-18-83	8-17-88	8-17-88	8-16-88	8-17-88	8-17-88	8-26-88	8-26-88
	Field Sample No.: Lab Sample No.:	DANGIB-3-SG-49 R8081974	DANGB-3-SG-72 88081947	DANGB-3-SG-A3.5 89081951	DANGII-3-SG-A3.5 88081906			DANGB-3-MW25-SG1, 88082146	DANGB-3-MW25-SG2 89082147
PESTICIDES AND PCB's (SW 8080)					•				
Data Package		430	37	35	<b>*18</b>	Z,	3	<b>#</b> 58	\$\$
Aldrin 0.05		ם	D	מ	ם	5	ם	מ	n
Alpha-BHC 0.05		מ	מ	מ	ם	· >	· >	5	) <b>(</b> )
Beta-BHC 0.05		ם	D	D	D	<b>-</b>	<b>•</b>	ם	5
Delta-HIIC 0.05		<b>¬</b>	D	n	n	ס	D	Ď	ם
Gamma-BHC 0.05		ב	ם	מ	D	Ð	Þ	ח	D
		ם	ם	Ω	ם	כ	כ	מ	n
		821	ם	ח	ם	ם	מ	ם	מ
		ם	n	Þ	n	Ω	ח	ס	n
		Şŧ	ב	ם	n	n	ֹם	Ω	ם
Dieldrin 0.10		D	ב	ם	מ	D	כ	מ	Þ
Endosulfan i 0.05		n	כ	D	n	ם	Þ	5	P
Endosulfan II 0.10		ב	ສ	ם	מ	ר	ם	ם	כ
Endosulfan Sulfate 0.10		n	ס	>	ב	n	ם	ם	D
Endrin 0.10		ח	n	ם	ם	ח	מ	מ	D
Heptachlor 0.05		ם	ח	כ	n	n	כ	ח	ב
xoxide (		n	ח	כ	מ	Ð	<b>D</b>	ם	. 5
Methoxychlor 0.5		ם	ב	ח	ם	ח .	ח	כ	n
Toxaphene 1.0		כ	ב	ם	מ	ח	ח	D	Ω
PCD-1016 0.5		ם	ם	n	כ	ລ	ם	ລ	O
PCI3-1221 0.5		ח	ם	ם	כ	Ð	n	ם	ב
		n	n	ם	n	ם		a	ח
		ם	ם	D	Þ	ם		Þ	2
		ם	כ	ב	כ	Þ	כ	Þ	D
		Þ	⊃,	כ	ב	כ	Ð	ב	<b>D</b>
PCB-1260 1.0		ב	Þ	ב	Ð	Ð	Þ	ם	ם
TOTAL PETRÓLEUM HYDROCARBONS (EPA 418.1)	S (EPA 418.1)								
Data Package		68.	35	151	*18	151	35	# S8	<b>4</b> 58
Units: mg/kg 100		2700	%I\$	<100	<100	< 100	< 100	<100,	< 100
MOISTURE									
Data Pockage		130	3.	151	*18	151	33.	.88	#58
Units: Weight Percent		10.6	13.1	13.8	16.8	143	21.2	<i>C</i> 111	13.4
METALS (Unite: mg/kg)									
Data Package		139	15	3	#18	154	35.	<b>\$</b> 28	<b>#</b> 58
Arsenic (SW 700)		<50 [	<50 E	<50 E	<5.0 E	<\$0 E	<5.0 E	<5.0 W.E	<50E
Barium (SW 6010)		• 010	625	639	9.65	\$	011	62.5	55.4
Cadmium (SW 7131)		112.N	13.5 N	N911	N • 6'8	N 6'01	N 4.61	N 611	N 1.6
Chromium (SW 7191)		£#3	36.2	348	285	28.5	41.2	40.7	27.3
Lead (SW 7421)		N • 891	6	85	7.8.S.N	<b>∞</b>	126	3.9 •	• 829 •
Mercury (SW 7471)		<0.1	10>	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table L-11 Sue 3 Soil Page 6F

Parameter and Analysis Method  PESTICIDES AND PCB's (SW 8030)  Data Package  Aldrin  Apha-BIIC  Camma-BIIC  Camma-BIIC  Art-DDD  Art-DDD  Art-DDD  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT  Art-DDT	14- Symple Date: 8-26- Ed Sample No.: DANGB-3-MWZS-5C AD Sample No.: 880821	0-1 8-24-88	5.6	14-15	0.1	2.3	14-15	.0-1 8-30-88
Limit	Sample Date: 8-26-88 keld Sample No.: DANGB-3-MWZS-5CG3 Lab Sample No.: 88082148  Lab Sample No.: R8082148  Lab Sample No.: R8082148  Lab Sample No.: R8082148	8-24-88	8.24.88		99,22,88		•	8-30-88
Parameter and Analysis Method  PESTICIDES AND PCB's (SW 8080)  Data Package  Addin  Apha-BIIC  Cammai-BIIC  Cammai-BIIC  Ad'-DDD  Ad'-DDD  Ad'-DDD  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT  Ad'-DDT	Lab Sample No.: DANGB-3-MW25-SG3 Lab Sample No.: 88082148  1.58  1.58  U U		15,151.5	8-24-88	00-17-0			
PESTICIDES AND PCB's (SW 8080)  Data Package  Aldrin  Apha-BHC  Camma-BHC  Ca		DANGB-3-MWZ7-SG1 88082102	DANGB-3-MW27-SG2 88082103	DANGII:3-MW27-SG3 88082104	DANGB-3-MW28-SG1 89082158	DANGB-3-MW28-SG2 88082159	DANGB-3-MW	DANGB-3-MV
Data Package         0.05           Aldrin         0.05           Alpha-BHC         0.05           Delta-BHC         0.05           Camma-BHC         0.05           Chlordane         0.10           4A*DDB         0.10           4A*DDT         0.10           Dicldrin         0.10           Endosulfan II         0.10           Endosulfan Sulfate         0.10           Endosulfan Sulfate         0.10           Endrin         0.10           Heptachlor Epoxide         0.05           Methoxychlor         0.05           Methoxychlor         0.05           PCB-1016         0.5           PCB-121         0.5           PCB-121         0.5								
Aldrin 0.05 Alpha-BHC 0.05 Beta-BHC 0.05 Camma-BHC 0.05 Camma-BHC 0.05 Chlordane 0.05 44-DDD 0.01 44-DDT 0.10 Dieldrin 0.10 Dieldrin 0.10 Endosulfan II 0.05 Endosulfan II 0.05 Endosulfan Sulfate 0.10 Endosulfan Sulfate 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin 0.10 Endrin Founde 0.05 Methoxychlor Epoxide 0.05 Methoxychlor Epoxide 0.05 PCD-121 0.5		<b>619</b>	61.4	419	623	423	£3	54
Alpha-IIIC 0.03  Beta-BIIC 0.05  Camura-BIIC 0.05  Camura-BIIC 0.05  Chlordan 0.05  44-DDD 0.10  44-DDT 0.10  Dicklrin 0.10  Endosulfan II 0.10  Endosulfan II 0.10  Endosulfan Sulfate 0.10  Endosulfan Sulfate 0.10  Endosulfan Sulfate 0.10  Endosulfan Sulfate 0.10  Endosulfan Sulfate 0.10  Endosulfan Sulfate 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  Endrin 0.10  En		5	=			֖֖֭֚֚֚֚֚֚֡֞֜֝֜֝֝֟֝֟֝֟֝֟֝֟֝֟֝֟֝֟ ֓		
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Diedzin Endosultan I Endosultan II Endosultan II Endosultan Sulate Endrin IIeptachlor IIeptachlor Epoxide Methoxychlor PCB-1016 PCB-121	Ω	ם	n	Ω		Ω	<b>&gt;</b>	ם
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TOTAL PETROLEUM HYDBOCABRONS (EPA 418.1)	81)							
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	10>	10>			800	100		100
			•	•		<b>,</b>	•	****

Table L-11 Suc 3 Soil Page 6G

Method		WWZ9-SS2	ESS:CMM	MW20-553	MW30-SSI	MW30-SSI DUP	MW30-SS2	ESS-06WM	NW31-SSI
Detection	cetion Sample Depth, (ft):	34	14-15	14-15	0.1	1.0	9.11.8	14.15	0.1
Parameter and Analysis Method	Field Sample No.:  Tab Sample No.:		DANGB-3-MW29-SG3 88082198		DANGB-3-MW30-SGI DANGB-3-MW30-SGIA 88082192 R8082193		DANGB-3-MW30-SG2 DANGB-3-MW30-SG3 88082195	DANGB-3-MW36-SG3 88082195	DANGB-3-MW
PESTICIDES AND PCD's (SW 8080)		,						-	,
Data Package		151	. #51	181	#21	18#	#51	#51	27
	0.05	ח	כ	מ	ס	n	ລ	a	a
BIC	0.05	ח	ח	D	ם	2	n	כ	ם
	500	n	n	n	Ω	n	ם	ח	ח
	50.0	ח	ח	ב	n	ם	ם	n	
Gamma-BHC 0	oos	ח	n	ם	ם	ם	Φ.	ם	D
Chlordane	0.5	n	Ω	D	n	n	ב	ם	<b>,</b>
	0.10	: כ	n :	<b>:</b>	<b>5</b> ;	ם:	<b>つ</b> :	<b>ɔ</b> :	<b>:</b>
	0.10	ָר פ	<b>:</b>	) :		<b>:</b>	<b>-</b> :	<b>:</b>	<b>:</b>
	0.10	21 =		9 =	) =	,	) <u>=</u>	<b>&gt;</b> =	-
	210	> =	0 =	> =	> =	> =	> <b>=</b>	ב כ	-
Endosultan I	oro or o	<b>→</b>	o =	=	> =	<b>=</b>	<b>5</b>	<b>-</b>	,
ilíate	0.10	5	ה ה	כי	· >	5	ם	כי	· <b>&gt;</b>
	0.10	n	ח	<b>D</b>	ס	2	D	כ	Ð
Ĭor	50.0	. <b>&gt;</b>	ס	n	ם	ם	2	ח	ח
Epoxide	0.05	ם	מ	ם	כ	D,	ח	n	ם
	0.5	n	n	ח	n	ם	<b>¬</b>	כ	ב
	10	מ	n	D	n	D	כ	•	•
	50	מ	ח	Ω	D	D	ב	ח	כ
	0.5	ם	ב	ב	D	<b>.</b>	<b>D</b> :	<b>&gt;</b>	<b>&gt;</b> :
	ر د	ים י	<b>D</b> :	<b>:</b>	<b>&gt;</b> :	<b>:</b>	<b>:</b>	<b>&gt;</b> :	<b>&gt;</b> :
	6.5	0	<b>D</b> :	<b>D</b> :	<b>o</b> :	o :	<b>:</b>	o :	<b>:</b>
	0.5	<b>5</b> ;	<b>&gt;</b> :	<b>&gt;</b> :	<b>ɔ</b> :	<b>)</b>	<b>&gt;</b> :	<b>)</b>	<b>)</b>
PCB-1254	1.0		ם	<b>D</b>	5	5	<b>&gt;</b> :	<b>)</b>	
PCB-1260	1.0	D	n	ח	Þ	Þ	ס	Þ	<b>5</b>
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	ONS (EPA 418.1)								
Data Package		151	151	151	151	15.	151	150	2,
Unite: m'g/kg	100	×100	<100	v 100	<100	× 100	v 100	× 100	%I>
MOISTURE									
Data Package		151	#21	¥\$1	151	181	451	151	₽.
Unite: Weight Percent		86	11.4	12.7	7.8	7.7	83	10.5	81
METALS (Units: mg/kg)			*						
Data Package		#SI	151	TS#	451	£21	Ís#	451	42
Arsenic (SW 7060)		<5.0 N E	<5.0 N E	<50	<5.0 N E	<5.0 N E	<5.0	<5.0 N E	N 205>
Barium (SW 6010)		43.2	31.8		ઉં	58.3	45.1	32.2	
Cadmium (SW 7131)		7.4 N	N 9'L	7.	N2.L	N 8'01	Z 76	X 1.8	
Chromium (SW 7191)		27.6	25.3		30.4	7	ਲ ਲ	215	38.3
Lead (SW 7421)		8.2 N	43N		Z Z	NES	Z [ 2	35.8	
(1010)		- 0 >	<0.1	<0.1 40.1	10>	<0.1	. < 0.1	*0°	10>

Table f.-11 Site 3 Soil Page off

Detection   Sample Depth, (II):	9-10-8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8-27-88 8	i i	11-12 20-21 8-27-88 8-27-88 8-27-88 8-30-2162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162 8-30-3162		8-25-88 DANGB-3-MW35-SG1 12 88982132 0 U U U U U U U U U U U U U U U U U U U	2.3 8-25.88 DANGB-3-MW35.8G2 80082131	0-1 2-3 10-11.5 10-11.5	10-11.5 8-25-8 ANGB-3-MW35-SG3A 88082130
Feed Sample No.	83082157 83082157 12 U U U U U U U U U U U U U	i i	CB-3-MW33-SO2 D. 88982162  10  10  10  10  10  10  10  10  10  1		\$28. \$28. \$28. \$28. \$3. \$3. \$4. \$4. \$4. \$4. \$4. \$4. \$4. \$4. \$4. \$4	. 88082131 . 88082131 	DANGB-3-MW38-SG3 D 88082133 U U	ANGB-3-MW35-SG3A 88082130
PESTICIDES AND PCD's (SW 8089)  Data Package  Aldrin  Alpha-illiC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC  Gamma-GilC	ב כ כ כ כ כ כ כ כ כ כ כ כ כ ק	ă 'r בם בם בם בם בם בם בם בם בם בם בם בם בם	8 3335555555555555555555555555555555555	<b>a</b> = = = = = = = = = = = = = = = = = = =	8 2000000000000000000000000000000000000		33°	
	8 2222222222222222222222222222222222222		8 5555555555555555555555555555555555555	2 5555555555555555555555555555555555555	מ כ כ כ כ כ כ כ כ כ כ כ כ כ כ כ כ כ כ כ	8 222222222	SS T	
	ב כ כ כ כ כ כ כ כ כ כ כ כ כ כ כ	•	555555555555555555				: ככ	25
	ב כ כ כ כ כ כ כ כ כ כ כ כ כ כ	•	555555555555555555555555555555555555555	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	:		) <b>)</b> :	2 =
	ב כ כ כ כ כ כ כ כ כ כ כ כ כ		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			) <b>:</b>	
	ב כ כ כ כ כ כ כ כ כ כ כ כ	•	55555555555555	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			<b>&gt;</b>	) <b>)</b>
	ב כ כ כ כ כ כ כ כ כ כ כ	•	55555555555555	5 5 5 5 5 5 5 5 5 5 5 5 5 5			Ð	ח
	ב כ כ כ כ כ כ כ כ כ כ	*	5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5 5 5 5 5 5		2 2 2 2 2	ח	ב
	ב כ כ כ כ כ כ כ כ כ		55555555555	555555555555		2 2 2 2	ם	
	ב כ כ כ כ כ כ כ כ כ		5 5 5 5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5 5 5 5 5		2 2 2 2	Þ	ב
	ב כ כ כ כ כ כ כ כ		5555555555	5 5 5 5 5 5 5 5 5 5 5		o o o	<b>&gt;</b> ;	<b>:</b>
	ב כ כ כ כ כ כ כ		555555555	555555555		כס	<b>)</b>	<b>:</b>
	ב כ כ כ כ כ כ כ		55555555	5 5 5 5 5 5 5 5 5	: ככככככ	>	<b>:</b> c	<b>:</b>
	ב כ כ כ כ כ כ		5555555	5555555			<b>=</b>	o =
	ב כ כ כ כ כ	מככככ	355555	555555	: כמכממ	כס	<b>&gt; &gt;</b>	ם מ
	בככככ	ממממם	5555	55555	2222:	כ	: <b>D</b>	ח
Hepschlor Fpoxide	בכככ	2222	5555	5555	222:	n	ם	ם
	בככ	ממכ	555	5 5 5	22:	n	Ð	ם
•	<b>&gt;</b> =	מכ	5 5	5 5	<b>&gt;</b> :	a	<b>ə</b>	ם
•		⊃	5	5	•	<b>:</b>	o:	<b>&gt;</b> :
PCB-1221 0.5 PCB-1232 0.5 PCB-1232 0.5 PCB-1248 0.5 PCB-1254 1.0 PCB-1254 1.0 PCB-1254 1.0 POTAL PETROLEUM HYDROCARBONS (EPA 418.1) Date Package Unite mg/kg 100 MOISTURE Date Package Unite: Weight Percent METALS (Unite: mg/kg)	, ;		::	=	<b>-</b>	<b>:</b>	<b>)</b>	ה כ
PCD-1232 0.5 PCD-1248 0.5 PCD-1248 0.5 PCD-1254 1.0 PCD-1254 1.0 PCD-1250 1.0 POTAL PETROLEUM HYDROCARBONS (EPA 418.1) Data Package Unite mg/kg 100 MOISTURE Data Package Unite: Weight Percent METALS (Unite mg/kg)	<b>5</b>	o :	5 5	5 5	2	> <b>=</b>	o =	<b>.</b>
PCB-1248 0.5 PCB-1248 1.0 PCB-124 1.0 PCB-1250 1.0 PCB-1250 1.0 POTAL PETROLEUM HYDROCARBONS (EPA 418.1) Data Package Uniter mg/kg 1.00 MOISTURE Data Package Uniter Weight Percent METALS (Uniter mg/kg)	<b>&gt;</b>	) <b>:</b>	3 5	5 5	<b>&gt;</b> =	> =	<b>.</b>	· =
PCB-1245 1.0 PCB-1245 1.0 PCB-1240 1.0 PCB-1240 1.0 POTAL PETROLEUM HYDROCARBONS (EPA 418.1) Data Package Uniter mg/kg 1.00 MOISTURE Data Package Uniter Weight Percent METALS (Uniter mg/kg)	<b>-</b> =	) <u>=</u>	5 5	5 5			) E	) =
FCB-1200 1.0  TOTAL PETROLEUM HYDROCARBONS (EPA 418.1) Data Package Uniter mg/kg  Data Package Uniter Weight Percent  METALS (Uniter mg/kg)	=	=	; =	5 5	) <u></u>	) D	<b>&gt; &gt;</b>	) <b>&gt;</b>
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1) Data Package Uniter mg/kg  MOISTURE Data Package Unite: Weight Percent  METALS (Uniter mg/kg)	5	כי	5	in	ם	ח	n	
Date Package Uniter mg/kg MOISTURE Date Package Uniter Weight Percent METALS (Uniter mg/kg)								
l Percent nis: mg/kg)	87	13	62)	433	158	884	<b>#</b> 55	\$3
MOISTURE Data Package Units: Weight Percent METALS (Units: mg/kg)	<100	8	× 100	<100	130	× 100	8	<100
notations Data Package Units Weight Percent METALS (Units: mg/kg)								
Data Fockage Units: Weight Percent METALS (Units: mg/kg)	ş	Ş	Ş	Ę.	337	337	ž	33
Units: Weight Percent METALS (Units: mg/kg)	2	7	3	3	3	3	3	3
METALS (Unite mg/kg)	10.2	25.6	88	6'6	7.5	10,4	7.8	8.4
Data Package	123	7,5	0.23	24	#5S	488	<b>1</b> 88	\$3
Arcnic (SW 70c3)	<50 N E	<50 N E	<50 NE	<50NE	<5.0 E	<50 WE	<\$.0 E	<50 E
Barium (SW 6010)	£,7,2	102	44.5	30,4	\$4.8	50.1	43.7	40,4
Cadmium (SW 7131)	N 6%	87 N	8.8 N	8.1 N	NEFI	N C'6	N 2.01	N 601
Chromium (SW 7191)	2).8	39.7	21.2	27.3	43.7	354	773	26.5
Lead (SW 7421)	7 S S	12.9	Z T	3.9 N	2255	5.0	2.8	Z 0.0
Mercury (SW 7471)	<0.I	<b>**********</b>	<0.1	40.1	1'0>	1.0>	i'ny	l'ny

Table [_11 Site 3 - Soil Page 7

Data Package # Numbers refer to Data Packages in Appendix M.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit.

but greater than the instrument Detection Limit.

E The value is estimated due to interference.

N For metals the percentage recovery of the spiked sample was not within the control limits.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

W The analyzes spike, a spike added to the sample digestate had a percent recovery out of control limits (85-115 percent), and the sample absorbance is less than 50 percent of the spike.

· Duplicate not within control limits.

! The holding time was missed for this analysis. See Appendu N. < Less than.

. The EPA has not yet reported on a method detection limit for this parameter.

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TABLE L-12 SITE 3

MINNESOTA AIR NATIONAL GUARD BASE

DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR GROUND-WATER SAMPLES (Results in micrograms per liter unless otherwise noted.)

	Detection			*****	******				
	Limit	Date Sampled: Field Sample No.: DANG	Date Sampled: 9-17-88 9-17-88 9-17-88 7-17-89 9-17-89 7-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89 9-17-89	9-17-88 B-3-GW3B-GW-1 DANG	9-17-88 1B-3-MW54-GW-1 DANGB	9-17-88 1-3-GW3C-GW-1	PANCE SALVES GWD-8-GWD-8-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-9-41-W-	3-GW3D-GW-1 DANG	B-3-MW25-GW-1
Parameter and Analysis Method		Lab Sample No.	85072515	88092513	88092514	88092511	. 88092512	88092516	88002423
HALOGENATED VOLATILE ORGANICS (SW 8010)	RGANICS (SW R	010)							;
Data Package			6/	6/	64	61	6#	6#	8
Bennd Chloride	050		מ	ח	n	ם	Þ	ב כ	ວ:
Bis(2-chloroethoxy)methane	80		ב	Þ	n	ם	n	<b>D</b> :	<b>o</b> :
Bis(2-chloroisoproyd)ether	80		Ð	ם	Ω	ם	n	<b>D</b> :	o :
Bromobenzene	9		ח	ח	<b>¬</b>	כ	ລ	<b>D</b> :	<b>o</b> :
Bromodichloromethane	0.10		ב	ם	Ð	n	ລ	<b>D</b> :	<b>:</b>
Bromoform	070		ם	n	ח	2	י כ	<b>ɔ</b> :	<b>:</b>
Bromoethane	1.2		D	Þ	ם	ב ז	<b>-</b>	o:	) : 
Carbon Tetrachloride	0.12		ם	ם	2	<b>&gt;</b> :	<b>5</b> ;	<b>&gt;</b> :	o <b>:</b>
Chloracetaldchyde	200		ם	Þ	Þ	<b>&gt;</b> :	<b>-</b> :	o :	•
Chloral	2005		Ð	ב	<b>&gt;</b>	<b>&gt;</b>	<b>ɔ</b> :	<b>&gt;</b> :	· :
Chlorobenzene	820		ם	ב	<b>&gt;</b> 1	<b>;</b>	<b>-</b> :	<b>&gt;</b> =	> =
Chloroethane	0.52		ם	ב	<b>&gt;</b> ;	0 0	- :	> =	=
Chloroform	50.0		ם	ב	8.1	2.8.0	<u> </u>	o =	) E
1-Chlorohexane	050		<b>&gt;</b>	<b>:</b>	<b>)</b> :	<b>&gt;</b> ;	> <b>=</b>	<b>.</b>	ממ
• •	0.13		<b>ɔ</b> :	<b>&gt;</b> :	<b>)</b>	) =	o =	) D	ם ס
-	8000		<b>)</b> :	> =	> =	) D	i D	ם	כ
Chloromethyl Methyl Eiher	os s		<b>-</b> -	o =	) =	מי	כ	ם	5
Chlorotoluene	8 8		o =	· =	) D	כי	ח	ם	ם
Dibromochloromethane	8		> =	, ,	בי	ח	Ω	ח	ב
Dibromoethane	3 5		) =	כי	· =	ח	n	ח	ב
1,2-Dichlordoenzene	0.03 0.03		) D	כ	ם	ם	Ģ	ב	ο ΄
1.4.Dichlomberrese	0.24		n	ם	ם	ם	Ð	ם	ם
Dichlorodiffuoromethine	1.8		n	ב	n	n	ם :	<b>ɔ</b> ;	<b>-</b>
1,1-Dichloroethane	0.07		ם	82.	230	: כ	<b>&gt;</b> :	₹:	Q -
1,2-Dichloroethane	600		כ	44	<u> </u>	<b>:</b>	> =	<b>&gt;</b> \$	S. 8.2
1,1-Dichloroethene	0.13		ם י	5 5	\$ 3	<b>&gt;</b> ::	> =	\$ \$	8
Trans-1,2-Dichloroethene	0.10		: כ	8 ;	5 (	<b>)</b>	ם כ	100	1.6 B
Dichloromethane	0.25		<b>&gt;</b> :	E 070	a cen	> =		ם ا	ב
1.2-Dichloropropane	00		<b>)</b>	<b>&gt;</b> :	> =	· =	ם ה	ם	כ
1.3-Dichloropropylene	<b>15</b> 0		: כ		o =	) =	) <b>&gt;</b>	ח	ם
1,1,2,2-Tetrachlorocthane	500		> =	) =	· =	• •	n	ם	Þ
J.I.J.2-Tetrachloroethane	3 8		2 7	9	674	280	n	S ₂ 0	ב
Tefrachkoroethene	8		7	3100	3000	82	ח	1300	3.5
1,1,1,1 included thank	66		ב	n	n	ח	n	ח	ם
T-influence name	0.12		· ⊃	F-9	<i>L</i> 9	5.1	D	33	8
Techondiomether	0.50		ם	ם	מ	D	2	ם : י	<b>:</b>
T-the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract	5		ח	ם	כ	D	ם	n	<b>&gt;</b> :
1 nemonopropane	2		,		•	•	=	,	-

MW30 9-16-88 88092494 DANGB-FB10 DANGB-3-MW30-GW-1 MW29 FB 
 Well/OC No.
 MW26
 MW26 DUP
 MW27
 MW28
 MW28

 Date Sampled:
 9-14-88
 9-14-88
 9-15-88
 9-15-88
 9-15-88

 Field Sample No.
 DANGB-3-MW26-GW-1
 DÁNGB-3-MW27-GW-1
 DANGB-3-MW28-GW-1
 DANGB-3-MW29-GW-1

 Lab Sample No.
 88073426
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Pradlau Hand

Table L. i.z Site 3 - Ground Water Page 1C

	Metbod	Weil/OC No.	MW3I	MW33	MW34	MW3S	MW35 FIS	18T	TB2
	Detection	Date Sampled:	83-61-6	9-15-88	9.16-88	9.19.88	9.19.88	9.15-88	9-16-88
De transfer of the second second	Lini	Field Sample No.: DANG	JIE-3-MW31-GW-1 DAP	Field Sample No.: DANGIL-3-MW31-GW-1 DANGIL-3-MW33-GW-1 DANGIR-3-MW34-GW-1 DANGIR-3-MW35-GW-1	3B-3-MW34-GW-1 DAN	GB-3-MW35-GW-1	DANGB-FB12	DANGB-TB7	DANGB-TB8
1.312meter and Analysis Method		Lab Sample No.:	880/270	88077488	88092495	88072527	88092531	88092489	88092493
HALOGENATED VOLATILE ORGANICS (SW 8010)	CANICS (SW 8	(010)							
Data Padage			177	171	8/	#22	122	<b>4</b> 21	80
Benzyl Chloride	050		כ	ם	מ	n	ם	ב	ם
Bis(2-chloroethoxy)methane	5.0		ם	ב	ח	ח	ם	n	ח
Bis(2-chloroisopropyl)ether	5.0		D	ב	ם	ב	ם	כ	ח
Bromobenzene	050		ס	η.	n	n	ח	n	ב
Dromodichloromethane	0.10		æ	ח	ם	n	ם	ם	ח
Вготобогт	0.20		כ	ם	5	ח	ā	ם	5
Bromoethane	71		Ð	D	ח	ה	Ω	ח	ח
Carbon Tetrachloride	0.12		כ	ם	כ	מ	מ	n	מ
Chloractaldehyde	800		>	n	ם	ח	n	ב	ח
Chloral	200		n	ח	Ω	D	n	ח	ח
Chlorobenzene	0.25		כ	ם	ם	n	n	ם	מ
Chloroethane	0.52		Ð	ם	ח	D	n	כ	ס
Chloroform	50.0		0.33 B	0.25	*	D	14	ם	D
1-Chlorohexane	050		>	ם	ם	ח	η,	ח	Ω
2-Chloroethyl Vinyl Ether	0.13		כ	D	ח	ח	n	ח	n
Chloromethane	900		Þ	ח	ם	ם	ח	ם	Ð
Chloromethyl Methyl Ether	So		Ð	ם	מ	D	D	ם	D
- Chlorotoluene	0.50		ם	ם	n	ລ	n	· <b>D</b>	ם
Dibromochloromethane	600		ם	ສ	ם	ב	Ω	ח	מ
Dibromoethane	0.50		n	n	n	ລ	n	n	ח
1,2-Dichlorobenzene	0.15		ם	ם	n	ח	ם	בּ	ח
1,3-Dichlorobenzene	0.32		n	ם	מ	ח	ם	'n	ם
1,4-Dichlorobenzene	0.20		Ω	ກ	כ	Ð	n	ם·	ח
Dichlorodifluoromethane	1.8		Þ	ח	ם	n	D	`D	D
1,1-Dichloroethane	0.07		n	D	n	. 68	D	D	Þ
1,2-Dichloroethane	0.03		ם	ח	ם	n	ם	D	n
1,1-Dichloroethene	0.13		n	a	מ	-	n	ב	٦٠
Trans-1,2-Dichloroethene	0.10		ב	Ð	D	ם	ב	Ð	ח
Dichloromethane	570		n	8 05.0	0.51 B	ב	3.7 B	0.80 B	2.6 B
1,2.Dichloropropane	900		<b>5</b>	ם	ם	מ	Ð	ם	ח
1.3.Dichloropropylene	034		Þ	ם	5	ລ	Ω	n	ח
1,1,2,2-Tetrachloroethane	003		n	ב	ח	n	D	n	n
1,1,1,2-Tetrachlorocthane	050		מ	<b>5</b>	n	Ω	מ	Ω	ם
Tetrachloroethene	0.03		ם	Ω	Ð	Ω	n	ם	ם
1,1,1-Trichloroethane	003		ם	ם	Ω	0.88	D	ם	ם
1,1,2-Trichloroethane	0,02		ס	<b>&gt;</b>	n	n	<b>&gt;</b>	ם	Ω
Trichloroethene	0.12		n	n	n	Ö	n	D	ח
Trichlorofluoromethane	050		Þ	כ	ח	n	ם	Ð	ם
Trichlomonoane	Ş		=	=======================================	=		:	=	***
	3		,	>	>		>	Š	

Table L. 12 Site 3 - Ground Water Page 1D

	Detection	Date Sampled: Field Sample No.:	9.19.88 DANGB-TD9	9-12-88 DANGB-7115	9.16.88 DANGB-BR7	9.19-88 DANGB-BR8	9-14-38 DANGII-BR6
Parameter and Analysis Method		Lab Sample No.	88072532	88992356	880:12492	88092528	88072425
IMLOGENATED VOLATILE ORGANICS (SW 2010)	GANICS (SW	(οια					
Data Package			433	137	88	422	Ø.
Benryl Chloride	050		ם	Þ	כ	n	ם
Uis(2-chloroethoxy)methane	2.0		D	ב	n	ח	כ
Bis(2-chloroisopropyl)ether	20		ם	מ	<u>ה</u>	Ð	<b>&gt;</b>
Bromobenzene	05.0		ם	Þ	ח	D	ב
Bromodichloromethane	0,10		ח	n	מ	n	2
Вготобогт	020		ח	<b>n</b> .	ח	ח	״
Bromoethane	12		n	ם	ב	ם	ם
Carbon Tetrachloride	0.12		D	ם	n	Ω	ב
Chloracetaldehyde	800		ם	n	a	ם	ם
Chloral	200		ם	ח	ם	ב	2
Chlorobenzene	0.25		ם	ח	ם	n	Ð
Chloroethane	0.52		מ	Ω.	D	ם	D
Chloroform	SOO		ם	ב	=	12 13	0.87
1-Chlorohexane	050		>	5	D	ח	ם
2-Chloroethyl Vinyl Ether	0.13		ם	ר	<b>n</b>	ם	2
Chloromethane	<b>SO</b> 0		ב	כ	D ,	n	2
Chloromethyl Methyl 13her	20		n	ם	ח	D	ם
Chlorotoluene	050		ם	n	Þ	n	<b>3</b>
Dibromochloromethane	60:0		ם	ח	<b>¬</b>	ລ	כ
Dibromoethane	050		<b>&gt;</b>	ລ	a	n	<b>-</b>
1,2-Dichlorobenzene	0.15		כ	ສ	ם	ב	ə
1,3-Dichlorobenzene	032		ב	ם	ם	D	2
J.4-Dichlorcbenzene	024		ב	ם	n	ລ	3
Dichlorodifluoromethane	1.8		ລ	כ	n	ח	2
1,1-Dichloroethane	0.07		ס	ם	כ	<b>&gt;</b>	ם
1,2.Dichloroethane	0.03		n	ח	Þ	ם	יב
1,1-Dichloroethene	0.13		ם	ם	n	<b>D</b> ,	<b>3</b>
Trans-12-Dichloroethene	0.10		ລ	ח	ח	D	
Dichloromethane	0.25		128	0.88 B	0'00 II	ח	1.7 13
1,2.Dichloropropane	900		ם	ם	n	D	ם
1.3.Dichloropropylene	97 70		כ	ם	Ω	Ω	•
1,1,2,2-Tetrachloroethane	0.03		ב	2	ח	n	ר
1,1,1,2-Tetrachlorocthane	050		ב	ם	מ	n	ר
Tetrachloroethene	0.03		ם	ח	ם	ם	כ
1,1,1-Trichloroethane	0.03		ם	ם	ם	ם	ב
1,1,2-Trichloroethane	0.02		n	<b>¬</b>	>	ם	ם
Trichloroethene	0.12		ם	Þ	ב	Þ	ח
Trichlorofluoromethane	950		2	מ	n	ס	2
			:				•
	5					=	

Table L-12 Site 3 • Ground Water Page 2A

Parameter and Analysis Method	Method Detection Limit	Well/OC No. GW 3-A Date Sampled: 9-17-88 Field Sample No.: DANGB-3-GW3A-GW4 Lab Sample No.: 88922515		GW3-B 9-17-88 GB3-GW3B-GW-1 DAN 8802513	GW3-ID GW3-B DUP GW3-C 9-17-88 9-17-88 9-17-88 9-17-88 DANGIB-3-GW3-GW1 DANGIB-3-GW3-GW1 8802511 8802514 8802514	GW 3·C 9·17·88 GB-3·GW3C-GW-1 88002511	GW3 CFB 9-17-88 DANGB-17B1 DAN 88992512	GW 3-C FIN GW 3-D MW25 9-17-88 9-17-88 9-14-88 DANGIF-FINI DANGIS-GW3D-CW-1 DANGIS-3-MW25-GW-1 88002512 88002516 88002516	NW25 9-14-88 B-3-MW25-GW-1 88092423
AROMATIC VOLATILE ORGANICS (SW 8020)	GANICS (SW 8020)	×							
Data Package			6	61	6.1	6#	6#	6.	<b>₹</b> 20
Benzene	0.2		ם	7	87	ם	ם	0.74	ם
Chlorobenzene	07		D	n	ם	ב	ם	ם	ם
12.Dichlorobenzene	8		ם	ם	ס	ם	ח	כ	ס
13-Dichlorobenzene	3		כ	ם	כ	ສ	ם	n	מ
1.4-Dichlorobenzene	60	•	ם	D	D,	ב	n	ב	ח
Ethyl Benzene	07		<b>3</b>	D	>	ח	ח	ב	Þ
Tolucue	07		ם	21	8	ב	ם	2.9	ם
Total Xylenes	3		ח	>	a	n	ם	Ð	ב

	Vater
	) pund
25	Š
Table Second	Site 3

	Method	Weil/QC No.: Date Sampled:	MW26 9.14-88	MW26 DUP 9-14-88	9-15-88	MW28 9-19-88 MGD3-MW78-GW/I D	MW29. 9-15-88	MW29 FB 9-16-88 9-16-88 DANGB-FBIO DANGB-3-MW20-GW-1	MW30 9-16-88 GB-3-MW30-GW-1
Parameter and Analysis Method	Limit	Fied Sample No. 2 88002126 88002127 88002108 88002127 88002508 88002125 88002020	3-MW26-GW-1 DAN 88092426	88092427	88092487/88072508	88002525	89082490/88092355	88092491	88092494
AROMATIC VOLATILE ORGANICS (SW 8020)	(0208 WS) SOIN1								;
Data Parkage			8	82	121	7,	#37	#2I	**
24	;		-	=	=	ח	ם	ם	ב
Benzene	0.2		<b>&gt;</b> :	· :			-	ח	•
Chlorobenzene	7		Þ	<b>)</b>	o :	> =	-	2	ם
1,2-Dichlorobenzene	3		ב	<b>&gt;</b>	<b>&gt;</b> :	<b>-</b> :	> =	=	כ
1,3-Dichlorobenzene	\$		ם כ	D ;	o∙ ;	<b>&gt;</b> =	<b>=</b>	<b>.</b> =	כ
1.4-Dichlorobenzene	03		>	160	<b>&gt;</b> :	) =	· =	5	ב
Ethyl Benzene	07		5	<b>&gt;</b> 1	<b>&gt;</b> :	<b>5</b>	o =	) <b>5</b>	כ
Toluene	07		ב	Þ	5	<b>&gt;</b> ;	) :	) =	=
			=	1	>	5	>	>	•

Table 1,12 Site 3 - Ground Water Page 2C

	•								
	Method	Well/OC No.	MW31	MW33	MW34	MW3S	MW35 FIB	ΙŒ	
	Detection	Date Sampled:	88-61-6	9-15 88	9.16-88	9.19.88	88-61-6	9-15-88	
	Limit	Field Sample No.: 1	ANGB-3-MW31-GW-1 D/	Fird Sample No.: DANGB-3-MW31-GW-1 DANGB-3-MW33-GW-1 DANGB-3-MW34-GW-1 DANGB-3-MW35-GW-1	SB3-MW34-GW1 DANG	1B-3-MW35-GW-1	DANGB-FB12	DANGB-TB7	DANGB-TB8
Parameter and Analysis Method		Lab Sample No.	88092526	88092188	88002495	88092527	88092531	88092489	88092493
AROMATIC VOLATILE ORGANICS (SW 8020)	ANICS (SW 8020)		,						
Data Package			127	121	1/8	122	122	<b>≠</b> 21	
Benzene	07		ב	ם	ם	ם	n	D	
Chlorobenzene	070		<b>&gt;</b>	n	>	D	ב	n	
1.2.Dichlorotxnzene	8		ח	n	n	ם	ח	כ	
1.3-Dichlorobenzene	3		n	D	ם	ם	n	ם	
1,4-Dichlorobenzene	60		ח	ם	Ð	5	n	ລ	
Ethyl Benzene	070		ם	ב	ם	Ω	ם	ב	
Tolucne	62		Đ	ח	=	D	ם	כ	
Total Volence	70		ב	ח	כ	ם	ב	כ	

Table L.12 Site 3 - Ground Water Fage 2D

•	Method	£	百	BRI	รมต	ยหว
	Detection	9-19-48	9-12-88	9-16-88	9.19.88	9-14-88
	Link	DANGB-TB9	DANGILTES	DANGB-BR7	DANGB-BR8	DANGB-BR6
Parameter and Analysis Method		88072532	88072356	89092492	88092528	88092425
AROMATIC VOLATILE ORGANICS (SW 8020)	VNICS (SW 8020)					
Data Package		77	137	18	122	<b>#</b> 20
Benzene	07	ב	ח	ם	כ	n
Chlorobenzene	07	n	Þ	>	ב	n
1,2 Dichlorobenzene	2	ח	ם	ם	n	ח
1.3-Dichlorobenzene	2	ם	>	כ	כ	n
1.4.Dichlorobenzene	60	ב	<b>&gt;</b>	D	Ω	ח
Ethyl Benzene	07	>	ח	ם	n	ס
Toluene	07	ם	n	מ	D	Þ
Total Xylenes	8	ב	ם	n	n	n

Table L-12 Site 3 • Ground Water Page 3A

This standard is a second of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con					1					
Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   C		Detection	Date Sampled:	9-17-88 A-G10-1 DANGE	9-17-88	9-17-88	9.17.88	9.17.88	9.17.88	9.14.88
CONNICTO (CPA 6.65)	Parameter and Analysis Method		Lab Sample No.: 6	807.215	8907213	8892514 8892514	88092511	88002512 88002512	1-3-GW3D-GW-1 DANGE 88092516	1-3-MW25-GW-1 88092423
	EMI-VOLATILE ORGANICS (L	3P.A 625)	-					•		
1	Jata Package			6	64	6.	6#		6	8
1	3-Dichlorobenzene	02		5	5		=	ä	=	2
10   10   10   10   10   10   10   10	A-Dichlorobenzene	2		5	5		5 5	ž	5 5	5 5
1   1   1   1   1   1   1   1   1   1	lexachloroethane	01		5	5	5	; <u>;</u> ;	ž	5 5	5 5
Section   10   10   11   11   11   11   11   1	lis(2-chloroethy1)ether	01		5	5	5 5	5	ž	5 5	5 5
Horizon 1 10	2.Dichlorobenzene	10		ä	=	5	5	ž	5 5	5 5
1   1   1   1   1   1   1   1   1   1	1-Nitrosodimethylamine	91		5	್ರಶ	5	5 5	ž	5 5	Ē
1   1   1   1   1   1   1   1   1   1	is(2-chloroisopropy1)ether	2		5	5	5	5	ž	; <del>;</del>	5 5
House 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to	1-Nirosodi-n-propylamine	2		Ð	5	5	: =	: :: : ::	5 5	5 =
share 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to	Texachlorobutadiene	2		5	5	5 5	5 5	ž	5 5	5.5
10   10   10   10   10   10   10   10	2,4-Trichlorobenzene	2		131	5	5	5 5	ž	5 5	5 =
10   10   10   10   10   10   10   10	Rirobenzene	9		5	ັລ	5	5 5	ž	5 5	5 3
10   10   10   11   12   13   13   13   14   14   15   15   15   15   15   15	rophorone	2		5	õ	ñ	5	ž	; <b>5</b>	: <b>:</b> :
Higher 10 o	laphthalene	9		5	ដ	10	5	ž X	5 5	5 5
10   10   10   10   10   10   10   10	is(2-chloroethoxy)methane	9		ä	ä	ñ	5	Z.	ລ	ö
Signature   10   10   10   10   10   10   10   1	-Chloronaphthalene	01		ä	5	55	5	××	5	5
10   10   10   10   10   10   10   10	texachlorocyclopentadiene	01		5	ñ	is	5	~N	ij	5
10	cenaphthylene	01		5	ö	5	ö	ž	5	ö
10   10   10   10   10   10   10   10	cenaphthene	2		ñ	5	5	5	Z.	ັລ	ä
10   10   10   10   10   10   10   10	imethyl Phthalate	22		5	ā	ï	5	ä	18	<del>ວ</del>
10   10   10   10   10   10   10   10	6-Dinitrotoluene	9		5	ĭ	ö	ā	ž	ä	5
1	Tuorene	2 :		5 :	5	5	5	Z.	5	ັສ
10   10   10   10   10   10   10   10	A-Unitrotolucia	2 5		5 :	5 ;	<b>5</b> :	5 :	ž	5 :	5 :
19   19   19   19   19   19   19   19	retnys rationalise Netwoodinbenylamine	2 5		5 5	5 5	5 5	e <u>e</u>	ž ž	5 5	5 E
13	exactions	2 9		; <u>=</u>	3 E	; E	3 2	ž ž	5 =	5 =
13   15   15   15   15   15   15   15	hensulhtene	2 ⊆		; <u>=</u>	5 E	5 E	5 5	¥ 2	5 5	5 =
Elbert   10   10   10   10   10   10   10   1	pibracen	3.⊊		; <b>:</b>	5 E	5 5	5 5	ž	5 5	5 5
13ber   13	butyl Phthalate	2.2		; 5	5 <b>5</b>	5 <b>5</b>	, 5	ž 2	5 =	5 5
19bct   10   10   10   10   10   10   10   1	luoranthene	22		5	5	ï	5 5	ž	5 5	. E
10	Chlorophemy Phenyl läher	2		5	5 5	5 5	5 5	ž	5 5	5 5
bic         10         UI         UI         UI         NR         UI           10         UI         17B         19B         UI         NR         UI           10         UI         UI         NR         UI         UI         UI           10         UI         UI         NR         UI         UI         UI           10         UI         UI         UI         NR         UI         UI           10         UI         UI         UI         UI         UI         UI           20         UI         UI         UI         UI         UI         UI         UI           20         UI         UI         UI         UI         UI         UI         UI         UI         UI           20         UI         UI         UI         UI         UI         UI         UI         UI         UI	rene	01	-	ä	5	ñ	5	ž	5	i
bic         10         17B         19B         UI         NR         UI           10         UI         UI         UI         NR         UI           10         UI         UI         UI         UI         UI           20         UI         UI         UI         UI         UI           20         UI         UI         UI         UI         UI           21         UI         UI         UI         UI         UI           22         UI         UI         UI         UI         UI         UI           23         UI         UI         UI         UI         UI         UI           24         UI         UI         UI         UI         UI         UI           25         UI         UI         UI         UI         UI         UI           26         UI         UI         UI         UI         UI	utyl Benryl Phthalate	2		5	5	5	5	N.	; <b>5</b>	5
Ebber   15   15   15   15   15   15   15   1	is(2-ethylhexyd)phthalate	10		5	17.13	19 13	5	N.	ñ	5
Ebber   10	hrysene	01		5	5	5	5	N	5	ä
10	Bromophenyl Phenyl Ether	10		ï	õ	in	5	N.	5	5
10	enzo(a)anthracene	2		ä	5	5	5	ž	ä	ä
	i-n-octylphthalate	2		ö	5	5	5	NR NR	ö	S
10	enzo(b)finoranthene	<u>0</u>		5	5	5	ö	ž	ñ	ä
23 . U! U! V!! V!! V!! V!! V!! V!! V!! V!! V	cnzo(k)Auoranthene	2		5	5	ñ	ñ	NR	ö	ä
23 U! U! U! U! U! U! U! U! U! U! U! U! U!	enzidine	8	•	ö	5	in	<b>;</b> 5	ž	'n	ວັ
Tens 10 U! U! U! U! U! NR U!  TENS 10 U! U! U! NR U!  TENS 10 U! U! NR U!  TENS 10 U! U! NR U!  TENS 10 U! U! NR U!	3'-Dichlorobenzidine	ន		5	5	50	ñ	ž	ñ	ö
Tene 10 U! U! U! NR U!  Tene 10 U! U! NR U!  10 U! U! U! U! U!  10 U! U! U! U!	tnzo(s)pyrene	2		ä	5	5	5	ž	5	5
TETRE 10 UI UI UI UI UI UI UI UI UI UI UI UI UI	deno(1,2,3-ed)pyrene	2		5	5	ö	ä	ž	ຣັ	ä
10 U! U! U! U! U!	spenzo(a,h)anthracene	9		5	5	ö	i	ž	ö	ä
	enzo(ghi)perylene	2			===	==	121	27	:	

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Table L-12 Site 3 - Ground Water Fage 3B

	Detection	Date Sampled: Field Sample No.: DANG	9-14-88 3-14-88 3-14-88	9.14.88	Date Sampled: 9-14-88 9-14-88 9-15-88 9-15-88 9-15-88 9-15-88 9-15-88 9-15-88 9-15-88 9-15-88	9-19-88 VG 1-38-CW-1-19-88	9-15-83 ANGRAMW2-GW1	9.15-88 9.16-88 DANGBERTH DANGBERWAY	9-16-88 13-Mwzo-Gwz
Parameter and Analysis Method		Lab Sample No.:	88092426	88002427	88/92487/88092508	88092525	88082490/88092355	89092491	89092494
SEMI-VOLATILE ORGANICS (EPA 625)	(EPA 625)								
Data Package			62	\$ 20	¥38	122	121.		₩.
1.3-Dichlorobenzene	10		5	5	ň	5	ñ	X.	Ę,
1,4-Dichlorobenzene	9		5		ö	ñ	5	AN AN	Š
J'exachloroethane	0		5	ij	ij	ö	ö	A.	5
Bis(2-chloroethyl)ether	01		5	5	in	5	ñ	A.	5
1,2-Dichlorobenzene	2		5	ā	ä	5	5	N.	5
N-Nitrosodimethylamine	01		5	ñ	5	5	ij	N.	Ē
Bis(2-chloroisopropy1)ether	2		5	5	5	5	5	N.	ñ
N-Nitrosodi-n-propylamine	0		ö	5	ก	5	5	NR.	ä
Hexachlorobutadiene	2		5	5	5	5	ö	NR	5
1.2.4-Trichlorobenzene	9		5	ñ	5	5	5	NR	5.
Nurobenzene	10		ñ	5	5	5	55	NR	5
Isophorone	9		5	5	5	5	5	NR NR	5.
Naphthalene	0		ñ	5	5	ລ	ö		ລັ
Bis(2-chloroethoxy)methane	9		ສ	ສ	55	5	S	∠ NR	5
2-Chloronaphthalene	2		5	ñ	ລ	Ş	ñ	Z.	<b>5</b> .
Hexachlorocyclopentadiene	2		5	ສ	5	5	ñ	X.	<del>5</del>
Acenaphthylene	<b>9</b> :		5	<b>5</b>	5	<b>5</b>	5	Z.	<b>5</b> :
Acenaphthene	9 :		<b>5</b> :	5 ;	5	<b>5</b> :	5 :	ž :	<b>5</b>
Dimethyl Phihalate	۵ :		5 :	5 :	5 :	5 :	5 :	ž :	5 :
Zo-Dinifrotoluene	2 :		<b>5</b> ;	<b>5</b> :	<b>5</b> :	5 3	<b>5</b> :	ž	5 :
Fluorene	2 :		5 :	5 :	5 5	5 :	5 =	Z Z	5 5
Carbon Phibales	2 2		5 5	5 5	5 5	5 E	5 2	ž	5 =
McHilyl I minetole McMimpodinheaviemine	2 5		5 <b>2</b>	5 5	5 E	5 E	; <u></u>	2 2	5 <b>=</b>
Herschlombentene	2 5		; <u>=</u>	S =	\$ <b>=</b>	S =		¥ 2	5 5
Phenanthrepe	2		5 5	5 5	; 5	5 5	5 5	ž	ö
Anthracene	2		5	5	; <u>5</u>	Ş	Ď	Z.	5
Dibutyl Phthalate	22		in	ភ	5	ñ	ñ	N.	ñ
Fluoranthene	2		ñ	ij	in	ö	5	NR	Š
4-Chlorophenyl Phenyl Ether	9		5	ñ	ñ	5	5	NR	5
Pyrene	9		ສ	ā	5	5	ວັ	ZZ.	ន
Buyl Benzyl Phthalate	2		5	5	ö	ö	5	N.	Ë,
Bis(2-ethythexyl)phthalate	2		5	5	42 B	38	5	¥ :	j i
Chrysene	2		ñ	ä	ä	õ	5	ĭZ	i ·
4-Bromophenyl Phenyl Ether	2		ij	5	5	5		N.	<b>5</b>
Benzo(a)anthracene	2		<b>5</b> :	5	<b>5</b>	5	5	Z :	<b>5</b>
Di-n-octylphthalate	01		5	5	ö	5	5	<u>~</u> Z	<b>5</b>
Benzo(b)fluoranthene	2		ñ	ö	5	ñ	5	N.	5
Benzo(k)fluoranthene	01		ö	5	5	5	<b>5</b>	ž i	5 :
Benzidine	8		Š	ä	ສ	<del>5</del>	Š	ž	<b>5</b> :
3.3.Dichlorobenzidine	8		5	5	55	ö	5	~	5
Ucnzo(a)pyrcne	9		5	5	5	ສ	Š	Ÿ	Ë,
Indeno(1,23-ed)pyrene	2		<b>:</b>	5	5	5	5	X-	<b>5</b>
Dibenzo(a,h)anthracene	2		5	ö	ö	5	;;;	ž	5
			:				:	= = = = = = = = = = = = = = = = = = = =	=

Table L-12 Site 3 - Ground Water Page 3C

	200	Para Campbed.	00 01 0	0 16 00	00 21 0	00 01 0	00 01 0	00 21 0	96 91 0
	Detection	Field Sample No.: DANGB-3-MW31-GW-1		%-12-88 18-3-MW33-GW-1 DANG	P-15-88  DANGB3-MW33-CW-1 DANGB3-MW34-GW-1 DANGB3-MW33-GW-1	9-19-88 -3-MW35-GW-1	DANGII-FB12	DANGB-TB7	DANGB-TB8
Parameter and Analysis Method		Lab Sample No.:	88072526	89792488	88092495	88092527	88092531	88092489	88092493
SEMI-VOLATILE ORGANICS (EPA 625)	EPA 625)								
Data Package			<b>*</b> 22	121	\$	177			
I.3-Dichlorobenzene	01	•	5	ñ	5	5	ž	NR	ž
1,4-Dichlorobenzene	01		ñ	5	ő	5	NN	ž	HZ.
Hexachloroethane	0		5	ñ	5	5	ž	XX	N.
Bis(2-chloroethyl)ether	01		5	55	ij	5	ž	NR	N.
1.2-Dichlorobenzene	01		ö	ij	'n	ñ	ž	XX.	~X
N-Natrosodimethylamine	01		5	ñ	5	5	NR	N.	AN.
Bis(2-chloroisopropyl)ether	9		5	5	5	à	ź	ž	ž
N-Nitrosodi-n-propylamine	2		5	5	õ	5	¥Z	, RR	¥X
Hexachlorobutadiene	10		5	ij	55	5	XX.	XX	AN.
1,2,4-Trichlorobenzene	9		ñ	ö	5	'n	¥Z	an N	NR
Nitrobenzene	01		ö	ñ	in	Ŝ	ž	N.	N.
Isophorone	01		ä	ö	5	5	ĭ	an S	ž
Naphthalene	01		5	5	5	5	ž	an N	N.
Bis(2-chloroethoxy)methane	01		5	5	5	5	¥ N N	and and and and and and and and and and	ž
2-Chloronaphthalene	10		ï	in	õ	õ	ž	N.	A.N.
Hexachlorocyclopentadiene	01		5	5	5	5	ž	ZZ.	NR.
Acenaphthylene	01		171	5	5	5	ž	NR.	ž
Acenaphthene	10		5	5	5	5	ž	N.	, NR
Dimethyl Phthalate	10		5	5	ä	5	N.	Ä	N.
2,6-Dinitrotoluene	10		'n	in	ñ	5	ž	ž	N.
Fluorene	01		'n	5	ā	5	ž	ž	Z.
2,4.Dinitrotolvene	10		ij	5	5	ñ	ž	ZZ.	XX
Diethyl Phthalate	10		5	ö	5	ñ	ž	ž	¥
N-Nitrozodiphenylamine	10		ö	ñ	ij	ā	ž	ž	ž
Hexachlorobenzene	10		ñ	i	5	5	ž	ž	XX.
Phenanthrene	10		50	ö	ñ	5	ž	ž	N.
Anthracene	10		5	5	55	5	ž	ž	ZZ.
Dibutyl Phthalate	10		5	5	5	5	ž	ž	a a
Nuoranthene	01		5	5	5	5	ž	ž	zz Z
4-Chlorophenyl Phenyl Ether	<b>Q</b>		ö	ñ	5	5	Ä	ž	zz.
Pyrene	0		'n	ñ	ñ	5	ž	ä	ž
Buryl Benzyl Phthalace	01		5	ö	5	5	ž	ž	#Z
Bis(2-ethylhexyl)phthalate	01		62 B	ñ	5	5	ž	X X	ž
Chrysene	01		5	ij	5	5	ž	XX	ĭ
4-Bromophenyl Phenyl Ether	10		5	5	5	ä	ž	ž	ž
Benzo(a)anthracene	01		5	ij	Š	õ	ž	ž	¥
Di-n-octylphthalate	10		5	5	55	ö	ž	ä	X.
Benzo(b)fluoranthene	0		in.	5	ij	<b>5</b> ,	ž	Ä	ž
Benzo(k)fluoranthene	01		5	ñ	5	5	NN	Ä	ጟ
Benzidine	8		5	5	5	5	ž	ž	ž
3,3*Dichlorobenzidine	8		5	5	5	5	ž	ĭ	¥
Benzo(a)pyrene	01		ñ	5	3	5	ž	ž	Ê
Indeno(1.23-cd)twrene	2		5	ŏ	5	5	ž	ž	X.
Dibenzo(a.h)anthracene	01		17	in	ij	ö	ž	ž	Ä
0.0000								25	
	5					5	2	=	Ź

Table L.12 Site 3 - Ground Water Page 3D

		Date Sampled:	9.19.88	9.12.88	9.16.88	9.19.88	9.14.83
Parameter and Analysis Method	Limit	Field Sample No.	DANGII-TI9 88092532	DANGU-TBS 8802356	DANGB-BR7 88002492	DANGII-IIR8 8802528	DANGB-BR6 8802425
SEMI-VOLATILE ORGANICS (EFA 62)	era 625)						
Data Padage						122	<b>%</b>
1,3-Dichlorobenzene	01		N.	Ä	NR	5	5
1,4-Dichlorobenzene	2		Z Z	ž	ž	ñ	15
Hexachloroethane	2		Z Z	ž	≅ Z	5	<b>5</b> 1
Bis(2-chloroethyl)ether	2 :		ž !	ž	ž !	<b>5</b> ;	<b>5</b> ;
I.Z-Dichlorobenzene N-Nimeodimethylemine	2 2		ž	ž	ž	5 8	5 5
Bis(2-chlorolsonomy)ether	2 9		Y X	ž	ž ž	5 5	5 5
N-Nitroerdi-n-propriamine	2		ž	ž	ž	5 5	5 5
Hexachlorobutadiene	2		NR	ZZ.	N N	5	5
1.2,4.Trichlorobenzene	01		N.	N.	zz.	5	5
Nitrobenzene	٥.		NR	₩ K	XX	5	5
Isophorone	0		Ä	ä	ž	ñ	5
Naphthalene	2		NR	. XX	X.	5	5
Bis(2-chloroethoxy)methane	2		¥	a a	MN	5	5
2-Chloronaphthalene	2		ž i	Z I	ž i	5 :	5 :
Hexachlorocyclopentadiene	2		ž	ž	ž	5	5 :
Acenaphthylene	2 :		ž	ž	ž į	5 :	5 5
Accuspinating	2 5		ž ž		ž	5 <b>E</b>	5 5
26-Dinitrololuene	2 2		ž		ž	5 5	5 5
Fluorene	9		N.	NR	N.	5	Ď
2.4-Dinitrotoluene	9		N.	Z.	ZZ.	ñ	5
Diethyl Phihalaic	2		NR	N.	NR.	5	õ
N-Nhrosodiphenhamine	0		Ä	X.	ž	5	5
Hexachlorobenzene	2		ZZ.	NA NA	¥	5	5
Phenanthrene	2		¥	N.	ž	<b>5</b>	5 i
Anthracene	2		ž	ž :	ž :	5 :	<b>5</b>
Diburyl Phthalate	2 \$		ž	Z Z	ž	5 5	5 5
Fluoraniache	2 5		ž ž	ž a	ž ž	5 =	; <u> </u>
*** Carolegonemy1 Friency Lines	2 5		ž	ž	ž	5 5	5 5
Burd Benry Phibalate	2		ž	Ź	ž	5	ភ
Bis(2-ethylbexyl)phthalate	2		×	, and	N.	28 B	5
Chrysene	01		ä	N N	ž	ñ	ī
4-Bromophenyl Phenyl Ether	2		NR	N.	Ä	5	5
Benzo(s)anthracene	01		N.	AN R	N.	5	5
Di-n-octylphthalate	2		ž	NR	Ä	5	5
Benzo(b)fluoranthene	2		ĭ	an An	ž	5	5
Benzo(k)fivoranihene	0		XX	ž	ž	5	ä
Benzidine	8		Z Z	ZZ Z	Z X	5	5
3,3'.Dichlorobenzidine	ន		Z.	Z.	¥X	5	5
Benzo(a)pyrene	9		ž	ž	XX	5	5
Indeno(1,23-cd)pyrene	2		Z.	ž	ž	<b>5</b> :	5 :
Davenzo(a,h)anthracene	è		Z.	ž	ž	<b>5</b> :	5 :
D (at.) d			:	•			

Table 1.12 Site 3 - Ground Water Page 4A

•	Method	Well/OC No.	GW3.A	GW3.B	GW 3-B DUP	GW3-C	GW3-CFB	GW3-D	MW25
۵	Detection	Date Sampled:	9.17.88	9.17.88	9.17.83	9.17.88	9.17.88	9.17.88	9-14-88
Parameter and Analysis Method	ren .	Freid Sample No.: DANGIB-3-G Lab Sample No.:	W3A-GW-I DANGIE- RW1215	FGW3U-GW-1 DA 8802213	Fro Sample No.: DANGH-5-GWA-GW-1 DANGH-3-GW-1 DANGH-3-GW-1 DANGH-3-GW-1-GW-1-GW-1-GW-1-GW-1-GW-1-GW-1-GW	W3C-GW-1 88092511	DANGB-FB11 DA	DANGB-FBII DANGB-3-GW-1 DANGB-3-MW25-GW-1- 88072512 88072516 88072423	3B-3-MW25-GW-1 88092423
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 2	625) Continu	ed page 2						,	: :
Acetophenone	٠		5	5	5	ñ	N.	5	5
Aniline	•		ສັ	ទ	5	ភ	z Z	5	` 5
4-Aminohyphenyl	•		5	5	5	5	ZZ.	5	ö
4-Chloroaniline	ឧ		5	ວັ	ä	5	ž	5	ສ
1-Chloronapththalene	•		5 :	ລັ	5	5	ĭ	ñ	5
Dibenzofuran	2		<b>5</b> :	<b>5</b>	ສ	<b>5</b> 1	z Z	<b>5</b> 5	57
p-Dimethylaminoazobenzene	•	•	5 ;	<b>5</b> :	<b>5</b>	5 :	¥ ·	5	5
7,12-DimethyBenz(a)anthracene	•		<b>5</b> :	ទី :	5	ຣັ	H.	5	5
a.a.Dimethylphenethylamine	•		<b>5</b> :	5	<b>5</b> :	5	N.	5	5
Diphemlamine	•		5 :	<b>5</b> :	<b>5</b> :	<b>5</b> :	۳ :	5	<b>:</b>
1.2.Diphenylhydrazine	•		<b>5</b> ;	5 :	5 :	5	ž !	5	5
Ethylmethancsulfonste	•		<b>5</b> :	<b>5</b> :	5 :	<b>5</b> :	ž :	<b>5</b> :	5
3-Methykholanthrene	•		<b>5</b> :	5 :	5	5	zz Z	Š	5
Methylmethanesulfonste	• :		ອ :	<b>5</b> :	<b>5</b> :	5	ž	<b>5</b>	5
2-Methylnaphthakene	2		<b>5</b> :	5	5	5	Z ·	5	5
I-Naphthylamine	•		<b>5</b> :	5 :	5 :	<b>5</b> :	ž :	<b>5</b>	5
Craphicytmine	٠ :		5 :	5 :	5 :	5 :	ž	<b>5</b> :	5 :
	3 8		5 :	5 :	5 :	<b>5</b> :	ž i	5 :	5 :
	3 8		5 :	5 :	5 :	5 :	ž	5 :	<b>5</b> :
A-rainforming	3		5 5	5 5	5 5	5 5	ž	5 5	; ;
V. Nimooofeeridiese	•		5 =	5 E	5 5	5 E	ž ž	5 E	5 E
Periodichembourene			5 5	5 E	5 5	5 <u>E</u>	¥ 2	5 5	ö Ē
Pentachlomainmheasene			5 5	5 5	5 5	5 5		5 5	5·5
Phenacetin			5 5	5 5	5	5	ž	5	; <b>5</b>
2-Picoline	•		5	5	5	5	N. W.	5	3
Pronamide	•		5	5	5	5	N.	5	ົລ
1.24.5-Tetrachlorobenzene			5	5	5	5	Z.	ñ	ā
Alpha-BifC .	•		ñ	ñ	5	ŏ	NR	5	in
Camma-MIC	•		5	5	5	ä	ž	ñ	5
Beta-BHC	ន		ä	ñ	ñ	5	ž	5	ö
Hepachlor	2		5	5	5	5	ž	5	ä
Delta-IIIIC	23		5	5	5	ö	ž	໊	ä
Aldrin	2		<b>5</b>	5	ñ	5	ž	ສ	5
Heptachlor Epoxide	2		5	s	5	ອ	XX.	ä	ສ
Endosulfan I	•		5	5	5	ລ	ž	ö	ຣັ
Dieldria	2	,	5	5	ອ	ົລ	ž	5	ゔ.
44.DDE	ጸ		ອ	5	5	5	ĕ	j i	5
Endrin	•		ອ	5	ສ	5	¥N	ij	<b>5</b>
Endosylfan II			5	5	5	ລ	ž	ā	5
44-DDD	2		ಶ	5	ົວ	5	ž	ä	ij
4,4.DIJT	ฆ		5	5	ō	5	ž	ij	<b>⋽</b> *
Endosulfan Sulfate	ጸ		ສ :	ລິ	<b>5</b> ;	5	ž	<b>5</b>	<b>5</b>
Endrin Aldehyde	•		<b>5</b>	<b>5</b>	5	5	ž	<b>5</b>	<b>5</b> ;
Endrin Ketone	• ;		ភ :	<b>5</b> :	<b>5</b>	5 :	ž	<b>5</b> :	5 ;
Chlordane	ઙ		<b>5</b> :	5	<b>5</b> :	5 :	ž	5 :	<b>5</b> :
Methoxychlor	•		ສ :	<b>:</b>	<b>5</b>	<b>5</b> ;	ž	5;	<b>5</b> :
Toxaphene	8		5	ö	5	5	NK	ື່ວ	ö

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A Spirit

Extracolor }

Table L.12 Site 3 - Ground Water Page 4B

Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Cont	Detection  Lin  Parameter and Analysis Method  SEMI-VOLATILE ORGANICS (EPA 625) C  Actophenone  Aniline  4-Aminobyphenyl  4-Chlororaphinalene Debenzofuran  P.Dimethylaminoazobenzene  7,12-Dimethylaminoazobenzene  1,2-Dipkenylaminoazobenzene  1,2-Dipkenylaminoazobenzene  1,2-Dipkenylaminoazobenzene  1,2-Dipkenylaminoazobenzene  1,2-Dipkenylaminoazobenzene  1,2-Dipkenylaminoazobenzene  1,2-Dipkenylaminoazobenzene  Methylmethaneeullonate  Methylmethaneeullonate  Methylmethaneeullonate  Amethylmaphitalene	on Date Sampled: nit Field Sample No.: Deb Sample No.: Deb Cample -14-88 LNGB-3-MW26-GW-1 DAI 88092426	9-14-88 4GB-3-MWS3-GW-1 [	9-15-88 ANGB-3-MW27-GW-1 DA	9-19-88 NGB-3-WW2-6-0-19-88	9.15.88	9.15.88	9.16-88	
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A Consider 10		20	5	5	ö	5	5	ž	<b>D</b>
15		9	ö	ä	5	5	ä	Ä.	>
15	ndosulfan I	•	5	5	5	ö	ä	XX.	<b>-</b>
36 UI UI UI UI NR	•	51	5	ö	5	ö	5	¥.	ä
1		8	ö	5	5	ä	5	NR	<b>.</b>
15 UI UI UI UI UI UI UI UI UI UI UI UI UI	adrin		5	5	5	ö	5	ž	ö
15 15 15 15 15 15 15 15 15 15 15 15 15 1	Stoenifen II		=======================================	=	; <u>=</u>	=	=	N.	
			S :	5 5	;	5 3	;	£ 9	2
		Q 2	; :	5 5	5 5	ö E	5 8	Ę	· -
	:	<b>q</b> ;	<b>5</b> :	<b>5</b> ;	5 ;	<b>5</b> :	<b>5</b> :	<b>ĕ</b> ∵!	· :
		8	5	5	5	5	5	ž	<b>&gt;</b>
	ndria Aldehyde	•	ö	5	5	5	:	Ä	<b>ວ</b>
	ndrin Ketone	•	5	5	5	5	5	NR	מ
		. 8	55	5	5	ສ	5	Ä	ם
	fethosochlor	•	5	5	in	5	5	zz.	<b>¬</b>

Table L-12
Site 3 - Ground Water

	Detection	Date Sampled:	MW31 9-19-88	9.15 88	MW34	MW35	MW35 FTB 9.19.88	TB1	TB2
	Limit	Field Sample No. DANG	BAMMIGWI DANG	Field Same No. DANGE LAWITGW. DANGE LAWITGW. DANGE LAWITGW. DANGE LAWITGW.	RAWEGWA	%.A.F.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C.W.C	OANGILERIO	24.5.00 7.07.07.04.0	SOLING COLORS
Parameter and Analysis Method		Lab Sample No.	880)2526	88072488	88072495	88092527	88002531,	8802489	8602493
SEMI-VOLATILI ORGANICS (EPA 625) Continued page 2	EPA 625) Continu	ed page 2							
Acetophenone	٠		5	5	ົລ	ñ	Z.	Z.	Ä
Aniline			5	ñ	5	5	X.	N. N.	A.
4-Aminobyphemyl	•		ສ	5	5	ä	N.	N.	NR
4-Chloroanitine	8		ī	5	5	ñ	ZK.	NR	N.
I-Chloronapihihalene	•		5	5	5	ñ	ž	a a	ZZ.
Dibenzofuran	9		5	5	5	S :	~	N.	XX.
p-Dimethylaminoazobenzene			5	5	5	5	ž	XX.	ZZ.
7,12. Dimethythent(a) anibracene	•		5	ສ	ă	ລັ	Z.	ZZ.	A.
iv. a-Dimethylphenethylamine	•		5	ă	5	ij	ž	A.	AN
Diphenylamine	•		ສ	5	5	5	N.	N.	R.
1,2.Diphenylhydrazine	•		ö	5	5	5	N.	N.	N.
Ethylmethanesulfonate	•		5	5	ສ	5	ZZ.	NR.	XX.
3-Methylcholanthrene	•		5	j i	5	5	ž	NR	an R
Methylmethanesulfonate	• ;		<b>5</b> :	<b>5</b>	5	<b>5</b>	Z.	Z Z	X.
2-Methylnaphthalene	2		<b>5</b> :	5 :	<b>5</b>	<b>5</b>	ž !	ž i	X I
1-Naphthylamine	•		<b>5</b> 5 :	<b>5</b> ;	<b>5</b>	5	z i	¥ :	Z :
Z-Naphthylamine	• ;		<b>5</b>	i i	i i	5	ž i	<u>بر</u>	ž
2-Nitroaniline	8		<b>5</b> :	<b>5</b> :	<b>5</b> :	<b>5</b> :	z i	¥ i	X .
3-Nitroaniline	ጸ፡		<b>5</b> :	5 :	5 :	5 :	ž	ž !	ž :
4-Nitroaniline	ጸ		5 :	5 :	5 :	5 :	ž	¥ :	ž :
N-Nitroso-di-n-butylamine	•		5 5	5 8	5 :	5 5	ž	X S	Z Z
N-Nitrosopipendiene	•		5 5	5 5	5 5	5 5	ž	ž S	ž
Person of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the	•		5 E	5 5	5 5	5 5	ž ĝ	2 2	¥ 2
Phenacetin	•		5 5	5 5	5 5	5 5	ž	ž	a N
2.Picoline	. •		5 =	5 5	5 =	5 5	z z	ž	N N
Pronamide	•		5 5	5 5	5 =	5 5	ž	ž	Z
1.2.4.5.Tetrachlombenzene	•		5 5	5 5	5 5	5 5	ž	ž	ž
Alpha-BilC	•		5	5	5	5	· ~~	N.	N.N.
Gamma-BHC	•		5	ö	5	ñ	XX	AN AN	XX
Beta-BHC	ឧ		5	in	5	5	ž	NR	ä
Heptachlor	2		ភ	5	õ	ñ	ž	Ä	ä
Delta-BIIC	15		5	ij	5	5	χ. X.	Z.	ž
Aldrin	2		5	Š	5	5	ž	X X	ž
Heptachior Epovide	0		5	ä	5	5	NR.	ZZ.	ž
Endosulfan I	•		i :		5	<b>5</b>	ž	ž	ž !
Dieldrin	<b>S</b>		5 :		<b>5</b>	5 :	Z :	ž i	ž !
4.4.DDE	8		5 5	5 5	5 5	5 5	¥ 7	ž	X S
Endrin	•		5	<b>5</b>	5	5 :	¥ :	ž :	¥Z.
Endosulfan II	٠ :		5 5	5 :	<b>5</b> :	5 5	ž i	× 5	Z Z
4.4.5000	<u>.</u>		5 <b>5</b>	5 E	5 5	5 5	£ 2	4 ax	2
-10101 doculton Cultate	3 5		; =	; E	; <b>=</b>	5 <b>=</b>	¥ 2	ž	ž
Charles Attached	3		3 <b>E</b>	5 E	5 <b>E</b>	5 E	2	ž ž	a a
Grand Arcenyae	•		5 E	5 =	; <u>=</u>	; <u>=</u>	i i	í c	~ ~ ~
Chloriese	• 8		5 <b>E</b>	5 <b>5</b>	5 5	; <del>5</del>	ž	N. Y.	X X
Methomobios	3 '		; <u>≅</u>	5 5	5 =	5 5	ž		N. N.
			5	;	;	5	<i>:</i> :-		•

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Table L-12 Site 3 - Ground Water Page 4D

,	Method	Well/OC No.	£8TT	¥	RIG	BR2	BR3
•	Detection	Date Sampled:	88-61-6	9.12.88	9-16-88	9.19.88	9.14.88
Parameter and Analysis Method		Field Sample No.:	R8092532	24NGIF-1135 88072356	24NGB-BR7 88002492	88092528	2002425 88002425
SEMI-VOLATHE ORGANICS (EPA 625) Continued page 2	3PA 625) Contin	ued page 2					
Acetophenone	,		N.	NR	N.	5	5
Anilipe	•		XX	N.	N.	'n	5
4-Aminotyphenyl	•		ž	ž	ž	ň	Ď
4-Chloroaniline	ឧ	•	ž	N.	N.	ñ	ň
1-Chloronapththalene			NR	N.	N.	ñ	ö
Dibenzofuran	2		NR	Ä	N.	ă	ä
p-Dimethylaminoazobenzene	•		an An	~	ž	ã	5
7,12-DimethyBenz(a)anthracene	٠		N.	N.	NR	ö	ö
a.a.Dimethylphenethylamine	•		N.	N.	NR	ສ	Ď
Diphenylamine	•		N	N.	NR	5	ñ
1,2.Diphenythydrazine	٠		NR.	Z.	N.	ō	5
Ethylmethanesulfonate	•		MR	Ä	N.	ົລ	5
3-Methylcholanthrene	•		Ä	NR	žž	15	5
Methylmethanesulfonate	•		an An	N.	N.	'n	5
2-Methylnaphthalene	01		N.	ž	N.	5	5
1-Naphthylamine	•		ž	ZN.	N.	5	5
2-Naphthylamine			an An	N.	NR.	5	5
2-Nitroaniline	8		N.	NR.	NR	5	5
	ጸ		N.	N.	NR.	ñ	ö
4.Nitroaniline	8		an an	ž	ž	5	ä
N-Nitroso-di-n-butylamine	•		Ä	Z.	N.	5	ö
N-Nitrosopipendiene	•		X.	ä	XX	5	5
Pentachlorobenzene	•		N.	ž	N N	5	i i
Pentachloronitrobenzene	,		ĸ	NN N	NR R	5	<b>5</b>
Phenacetin	•		z.	N.	an an	5	ລັ
2-Picoline	•		XX.	a a	¥	5	<b>5</b>
Pronamide	•		ž	z Z	ž	ö	<b>:</b>
12,4,5-Tetrachlorobenzene	,		Z	ž i	ž :	<b>5</b> :	5 :
Alpha-BitC	•		ž :	ž i	ž	5 :	5 5
Gamma-BHC	٠ ;		ž	ž	ž	5 E	5 5
Beta-HIIC	R :		ž	¥ 2	¥ 2	5 5	5 E
Heptachior	2 4		ž	ž	ž	5 <b>=</b>	5 5
Aldrin	2 2		ž	ž	ž	_	5
Hentachlor Epovide	9		N.	ž	N.	, <del>,</del> ,	5
Endosulfan I	٠		NR	N.	ž	5	ñ
Dietdrin	15		XX	NR	NR	5	5
44-DDE	8		ž	N.	ž	5	ຣ
Endrin			NR.	N.	NR	5	5
Endosulfan II	•		Ä,	a a	ž	5,	5
4,4*DDD	15		ZZ.	AN	¥ X	5	5
4.4.DUT	ង		ž	N.	ž.	<b>5</b>	5
Endosulfan Sulfate	ጽ		ž	ZZ.	ž	<b>5</b>	5
Endrin Aldehyde	•		Ä.	ž	ž :	<b>5</b> :	5 :
Endrin Ketone	•		Z.	ž	ž	5	5
Chlordane	8		N.	ž,	ž	<b>5</b>	<b>5</b> 1
Methovychlor	•		N.	z	X :	5	<b>5</b> :
Tovaphene	8		ž	ž	ž	5	2

Table L/12 Site 3 • Ground Water Page SA

	Limit			3		0.17.99	0.17.99	0-17.00	0.14.00
Parameter and Analysis Method	poc	Field Sample No.: DANGB-3-GW3A-GW-1 DANGB-3-GW-1 DANGB-3-MWSI-GW-1 DANGB-3-GW-1 CAD Sample No.: 88002514 88002513	B-3-GW3A-GW-1 DANGI 8802515	1-3-GW3B-GW-1 DAN 8802513	7-17-05 GB-3-MWS4-GW-1 DANC 8802514	211.3.GW3C.GW.1 88092511	7-17-00 DANGII-FB11 DANG 8802512	7-17-00 DANGII-IBII DANGIB-GW3D-GW4I DANGB-3-MW25-GW4I 89002512 89002516 8800423	8-3-MW25-GW-1 88092423
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3	CS (EPA 625) Continu	ed page 3			x			•	-
Aroclor-1016	8		5	ສ	5	5	ZZ.	5	õ
Arocior-1221	8		ñ	5	5	ñ	ž	ສ	5
Aroctor-1232	8		5	5	5	5	N.	5	5
Aroctor-1242	8		5	5	ñ	ā	ž	ñ	ົວ
Aroclor-1248	8		in	5	5	in	N.	ສ	ă
Aroclor-1254	8		5	5	5	ö	ž	ລ	ñ
Aroclor-1260	8		5	5	5	ັລ	N.	ັລ	ວັ
2-Chlorophenol	2		ñ	5	5	5	Ä	5	5
2-Nitrophenol	2		5	5	5	5	N.	5	5
Phenol	01		õ	5	ñ	ñ	N.	ภ	ភ
2.4-Dimethylphenol	10		5	5	5	5	NR	5	5
2,4-Dichlorophenol	10		5	5	5	5	ž.	ñ	ā
24.6-Trichlorophenol	01		ñ	5	5	5	ž	ລ	ລັ
4-Chloro-3-methylphenol	ଛ		5	5	5	ສ	ž	.5	5
24-Dinitrophenol	ঙ্গ		5	5	5	5	~N	ភ	5
2,6-Dichlorophenol	•		5	5	ñ	5	N.	ភ	5
2-Methyl 4,6-dinitrophenol	ន		ñ	ñ	5	ñ	XN.	Ş	5.
Pentachlorophenol	8		'n	5	5	5	NR.	ñ	. <b>5</b>
4-Nitrophenoi	જ		ñ	5	5	5	¥K	5	5
Benzoie Acid	ន		5	ñ	5	5	N.	Ş	5
2-Methylphenol	9		5	5	5	5	Ä	5	ັສ
3&4-Methylpbenol	01		5	5	5	ä	N.	5	ö
2.3.4.6-Tetrachlorophenol	,		ñ	5	5	5	N.	55	5

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Table L-12 Site 3 - Ground Water

	Method	Well/OC No.	MW26	MW26 DUP	MW27	MW28	MW29	· MW29 FIB ·	MW30
	Detection	Date Sampled:	9-14-88	9.14-88	9-15-88	9-19-88	9.15.88	9.15-88	9-16-88
	Limit	Field Sample No.: DANGR-3-MW26-GW-1 DANGR-3-MW33-GW-1 DANGR-3-MW28-GW-1 DANGR-3-MW29-GW-1	13-MW26-GW-I DA	NGB-3-MWS3-GW-1 D	ANGB-3-MW27-GW-1 D	NGB-3-MW28-GW-1 DA	NGB-3-MW29-GW-1	DANGB-FB10 DANGB-3-MW30-GW-1	GB-3-MW30-GW-1
Farameter and Analysis Method	8	Lab Sample No.:	84092426	88002427	88092187/88092508	88072525	88082490/88092155	88072491	88092494
SEMI-VOLATILE ORGANICS (EFA 625) Continued page 3	S (EPA 625) Contin	ucd page 3		•					
Aroclor-1016	8		5	ລັ	ā	ລັ	ñ	N.	5
Arockor-1221	8		5	ö	5	5	5	ZZ.	Ş
Aroclor-1232	8		5	5	5	5	5	NR	5
Aroclor-1242	8		5	ö	'n	Ď	ō	NR	<b>,</b> 5
Aroclor-1248	8		5	5	5	5	5	N.	ລ
Aroctor-1254	8		ä	5	õ	5	5	N.	ລັ
Aroder-1260	8		5	5	5	ñ	ö	N.	5
2-Chlorophenol	01		5	ñ	5	ñ	ö	NR	ລັ
2-Nitrophenol	01		5	5	5	5	5	N.	Ë
Phenol	2		5	ñ	in ·	ົລ	5	NR.	5
24-Dimethylphenol	9		5	5	5	5	5	and and	5
2,4.Dichlorophenol	2		5	5	ä	5	5	ä	5
2,4,6-Trichlorophenol	2		5	5	ö	5	5	N.	ລັ
4-Chlory-3-methylphenol	8		5	<del>ວ</del>	ສ	ถ	ñ	N.	5
2.4.Dinitrophenol	ጻ		5	5	ñ	5	5	N.	5
2,6-Dichlorophenol	•		5	5	õ	ñ	ñ	N.	5
2-Methyl-4,6-dinitrophenol	ጽ		ñ	5	õ	5	5	ä	5
Pentachlorophenol	8		ລ	5	50	5	ä	NR.	5
4-Nitrophénol	ጸ		5	5	50	'n	5	Ä	5
Benzoic Acid	8		5	'n	5	5	ñ	N.	ö
2-Methylphenol	2		5	5	in	5	Ď	N.	5
3&4-Methylphenol	01		5	5	5	5	5	ä.	5
2,3,4,6-Tetrachlorophenol	•		ñ	in	5	ñ	ñ	N.	5
2.4.5-Trichlorophenol	9		5	5	ñ	ñ	ņ	N.	5

Table L-12 Site 3 - Ground Water Page SC

	Detection					3	MWSS FIS	īar	701
	Limit	Date Sampled:	9-19-88	9.15-88	9.16.88	9-19-88	88-61-6	9-15-88	9.16-88
		Field Sample No.: DANGII-3-MW31-GW-1		GB-3-MW33-GW-1 DAN	DANGB-3-MW33-GW-1 DANGB-3-MW34-GW-1 DANGB-3-MW3S-GW-1	GB-3-MW3S-GW-1	DANGB-FB12	DANGB-TB7	DANGB-TB8
Parameter and Analysis Method		Lab Sample No.:	88002526	88092488	88092495	88092527	88092531	88002489	88092493
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3	(EPA 625) Contint	sed page 3							
Aroctor-1016	8		ລ	5	5	ລ	N.	X.	AN.
Arodor-1221	8		ב	5	5	ñ	ž	N N	NR
Aroclor-1232	8		מ	ö	5	ñ	ž	N.	N.R.
Aroclor 1242	8		5	5	5	5	ž	NR	N.
Arodor-1248	8		ם	5	'n	5	N.	N.	ä
Aroctor-1254	8		ם	5	ົລ	ö	XX.	X.	Ä
Aroclor-1260	8		ם	ö	5	ä	ž	an N	N.
2-Chlorophenol	10		n	ö	5	ñ	zz.	N.	ZZ
2-Nitrophenol	10		כ	5	5	ñ	ž	Y Y	Ä
Phenoi	10		ם	5	5	ö	XX.	ä	A.R.
2,4.Dimethylphenol	01		ח	ö	ភ	ñ	ž	N.	NR
2,4.Dichlorophenol	01		n	5	'n	ñ	ž	N.	A.R.
2,4,6-Trichlorophenol	01	•	ם	<b>5</b>	ö	ö	ž	NR	AR.
4-Chloro-3-methylphenol	ន		ם	ö	ñ	5	NR.	A.	A.R.
2,4-Dinitrophenol	8		ם	ñ	ñ	ij	ä	N.	Ä
2,6-Dichlorophenol	•		כ	5	5	in	ž	ä	AN.
2-Methyt-4.6-dinitrophenol	8		כ	5	5	ñ	ž	an An	NR
Pentachlorophene1	ঙ্গ		כ	5	ñ	5	ž	N.	N.
4-Nitrophenol	ន		ח	5	ñ	ñ	ž	Ä	NR
Benzole Acid	ន		ם	5	ñ	ö	ä	an E	N.
2-Methylphenol	10		5	ñ	ñ	ភ	ä	R	AN
3&4-Methylphenol	01		כ	5	5	, 5	Ä	NR.	an an
2.3,4,6-Tetrachlorophenol	•		כ	ö	5	5	N.	NR	AN.
24,5-Trichlorophenol	2		ב	in	ä	ä	Z Z	N.	AN AN

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Table L-12 Site 3 - Ground Water Page 5D

Detection Dat Limit Frield S  Parameter and Analysis Method Limit Frield S  SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3  Aroclor-1016 60 Aroclor-1221 60	Detection						
Parameter and Analysis Method SEMI-VOLATILE ORGANICS (EP. Aroclor-1016 Aroclor-1221		Date Sampled:	88-61-6	9.12-88	9.16-88	9-19-88	, 9-14-88
Parameter and Analysis Method SEMI-VOLATILE ORGANICS (EP. Aroclor-1016 Aroclor-1221	Limit	Field Sample No.:	DANGB-TB9	DANGIL-TIS	DANGB-BR7	DANGB-BR8	DANGB-BR6
SEMI-VOLATILE ORGANICS (EP. Arociot-1016 Arociot-121		Lab Sample No.:	88092532	88092356	88092492	88092528	88002425
Aroctor-1016 Aroctor-121	1 625) Contint	ed page 3				•	 ,
Aroclor-1221	8		Ä	NN	ž	5	5
	8		ž	ž	z z	5	5
Aroctor-1232	8		ž	ž	ž	5	5
Aroclor-1242	8		ž	¥N	ž	5	<b>5</b>
Aroctor-1248	8		N.	N.	ž	5	Ď
Aroclor-1254	8		ž	ĕ	ž	5	5
Aroclor-1260	8		ž	N.	NR	5	5
2-Chlorophenol	9		an N	ž	, N	5	5
2-Nitrophenol	01		NR	X.	Ä	ñ	5
Phenol	e		ZX.	ž	Ä	ñ	ñ
2,4-Dimethylphenol	2		ž	NR	~ N	5	ā
2.4-Dichlorophenol	2		XX.	Ä	ZN.	ñ	5
2,4.6-Trichlorophenol	01		RR	Ä	zin Zin	5	5
4-Chloro-3-methylphenol	ន		an An	NR	ž	5	5
2,4.Dinitrophenol	ধ		an R	ž	ZZ Z	5	ñ
2,6-Dichlorophenol	•		N.	Ä	an N	5	5
2-Methyl-4,6-dinitrophenol	8		ĭ	N.	NR NR	ñ	5
Pentachlorophenol	8,		N.	NR.	NR	ö	ñ
4-Nitrophenol	ጻ		N.	XX.	ž	5	5
Denzoic Acid	8		ZZ.	N.	N.	5	5
2-Methylphenol	9		N.	NR	NR	5	5
3&4-Methylphenol	10		NR.	N.	Ä	ö	5
	•	•	A.	N	NE	5	ā
2,4,5-Trichlorophenol	9		NR	ž	NR	ö	ā

Table 1-12 Site 3 - Ground Water Page SA

	Detection					2 4 4 5	ことうかない	O. A.D.	Q¥K
	i imit	Date Sampled:	88-11-6	9-17-88	9-17-88	9.17.88	9-17-88	9-17-88	9-14-88
		Field Sample No.: DANGB 3-GW3A-GW-1 DANGB 3-GW3B-GW-1 DANGB 3-MWSF-GW-1 DANGB 3-GW3G-GW-1	B-3-GW3A-GW-1 DANG	B-3-GW3B-GW-1 DAN	GB-3-MWSt-GW-1 DANG	3B.3-GW3C-GW-1	DANGB-FB11 DAN	DANGB-TBH DANGB-3-GW3D-GW-1 DANGB-3-MW2S-GW-1	B-3-MW25-GW-1
Parameter and Analysis Method		Lab Sample No.:	88092515	88092513	88092514	88092511	89002512	. 88072516	88092423
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3	S (EPA 625) Continu	cd page 3							
Aroctor-1016	8		iñ	S	5	ñ	ž	5	ñ
Arodor 1221	8		5	ä	ö	5	Z	5	5
Aroclor-1232	8		ñ	5	5	5	ž	5	Ď
Aroclor-1242	8		ä	ñ	in	ñ	MR	5	<del>ວ</del>
Arodor-1248	8		ö	5	5	5	Ä	ö	ä
Aroclor-1254	8		ä	5	ñ	ij	ž	ñ	5
Aroclor-1260	8		5	5	5	5	N.	5	ັສ
2-Chlorophenol	01		ñ	5	'n	5	ĭZ.	ສ	ລັ
2-Nitrophenol	0.		5	5	5	5	ž	ä	ລັ
Phenol	2		in	5	5	5	an N	ສ	ອ
2,4-Dimethylphenol	2		5	ö	ö	ā	N.	5	ລັ
2,4-Dichlorophenol	9		5	5	in	ā	ž	5	5
2,4,6-Trichlorophenol	<b>a</b>		5	ລ	5	ö	N.	5	5
4-Chloro-3-methylphenol	ន		ວັ	5	5	5	N.	5	ວັ
2.4-Dinitrophenol	ঙ্গ		5	5	5	5	ž	5	5
2,6-Dichlorophenol	•		5	5	5	ň	ž	ິລ	5
2-Methyl-4,6-dinitrophenol	ጻ		5	5	5	5	ž	5	ັລ
Pentachlorophenol	ន		5	ñ	5	5	N.	5	ä
4-Nitrophenol	ধ		<b>5</b>	ñ	5	5	ž	ភ	5
Benzoic Acid	ধ		ö	ö	ñ	'n	ž	ö	5
2-Methylphenol	<b>e</b>		ä	5	ລ	5	N.	5	5
3&4.Methylphenol	2		'n	ï	5	5	NR	ລັ	5
23.4.6-Tetrachlorophenol	•		5	ij	5	ñ	A.	ñ	5
2,4,5-Trichlorophenol	2		5	5	5	õ	ä	in	ā

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> Table L-12 Site 3 • Ground Water Page 5B

	Method	Well/QCNo.	WW26	MW26 DUP	MW27	MW28	WW.29	MW29 FTB	WW30
	Detection	Date Sampled:	9-14-88	9.14.88	9.15.88	9.19.83	9-15-88	9-15-88	9.16-88
Parameter and Anahysis Method	יושון	Field Sample No.: DANG Lab Sample No.:	611-3-MW26-GW-1 8892426	DANGB-3-MWS3-GW-1 L 8802427	Fred Sample No: DANGB-3-MW26-GW-1 DANGB-3-MW27-GW-1 DANGB-3-MW26-GW-1 DANGB-3-MW26-GW-1 DANGB-3-MW29-GW-1 Lab Sample No: 8807255 88082490/8807255	GB-3-MW28-GW-1 DAN 88072525	4GB-3-MW29-GW-1 88082490/R8092355	DANGB-FB10 DANGB-3-MW30-GW-1 88092491 88092494	3-3-MW30-GW-1 88092494
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3	EPA 625) Continu	ed page 3					•		-
Aredor-1016	8		5	5	5	5	ñ	N.	111.
Arodor-1221	8		ī	ñ	5	5	5	Z.	5.5
Aroclor-1232	8		ñ	ö	5	5	5	Z.	5 5
Aroclor-1242	8		5	5	5	5	5	N.	5
Aroclor-1248	8		5	ñ	5	5	ສ	N.	5
Aroclor-1254	8		5	໊	5	5	ñ	N.	ລ
Aroclor-12/0	8		5	5	5	5	ă	N.	ສ
2-Chlorophenol	01		5	5	5	ñ	ö	NR	5
2-Nitrophenol	2		5	5	5	ō	ñ	NR	5
Phenol	2		5	ñ	5	ñ	5	N.	5
2,4-Dimethylphenol	9		5	n	5	ñ	5	NR	5
2,4.Dichlorophenol	2		5	5	5	5	ລັ	N.	ä
2,4,6-Trichlorophenol	9		5	ລ	5	5	5	N.	໊
4-Chloro-3-methylphenol	ន	•	5	5	5	ñ	ລັ	N.	ລ
2,4-Dinitrophenol	ន		5	5	i	ភ្	ñ	N.	ñ
2,6-Dichlorophenol	•		5	5	ij	ถ้	5	Z.	5
2-Methyl-4,6-dinitrophenol	ধ		5	n	ñ	ā	5	NR	5
Pentachlorophenol	৪		ä	ă	5	5	5	N.	Š
4-Nitrophenol	ន		ä	5	5	5	5	'n	5
Benzoic Acid	ধ		ö	5	ស	5	ö	ZZ.	5
2-Methylphenol	2		5	5	5	5	Đ	N. N.	Ş
3&4-Methylphenol	01		5	ñ	5	5	5	%X	5
2,3,4,6-Tetrachlorophenol	•		<b>5</b>	5	ភ	5	5	N.	5
2,4,5-Trichlorophenol	9		ñ	ñ	ñ	ñ	ñ	NR	5

	Detation		TO THE	COMIN	MW.	SEWM.	MW35 FB	Ē	T112
		Date Sampled:	9.19.88	9-15-88	83-91-6	9.19-88	9.19.88	9.15-88	9.16-88
	Ľmi	Field Sample No.: DANC	JB-3-MW31-GW-1 DA	Field Sample No.: Dangb Jawai-Gwii Dangb Jawai Gwii Dangb Jaway-Gwii Dangb Jawas-Gwii	3B-3-MW34-GW-1 DANGI	1-3-MW35-GW-1	DANGII-FB12	DANGU-TB7	DANGB-TB8
Parameter and Analysis Method		Lab Sample No.:	8801526	88092488	88092495	88092577	88092531	88092489	88092493
Face bounding O 865 AGB) 2018 ADBO HITTER TOWNERS	EPA 635) Continue	, and the second				,			
		2 14 2	:	3	:			•	5
Aroclor 1016	8		5	ö	5	5	ž	ž	ž
Aroclor-1221	8		ם	5	*	ä	ä	XX.	AN.
Aroctor-1232	8		n	ñ	5	ភ	NR.	N.	XX
Arodor-1242	8		Þ	5	5	5	Z.	ĸ	X.
Aroctor-1248	8		ם	5	5	5	NR	Ä	XX.
Aroclor-1254	-8		ב	5	5	ä	ž	ä	AN AN
Aroclor-12/0	8		ם	5	5	5	NR.	N.	AN.
2-Chlorophenol	9		5	5	5	5	ž	N.	ጟ
2-Nitrophenol	10		כ	'n	ä	ij	NR	NR.	NR
Phenol	2		Þ	5	5	ñ	ĩ	ž	W.
2.4-Dimethylphenol	01		ב	5	5	ñ	N.	a.	NR
2.4.Dichlorophenol	2		מ	5	5	ñ	ž	N.	NR
2.4.6-Trichlorophenol	01		ם	ສ	5	ສ	N.	N.	N.
4-Chloro-3-methylphenol	ន		ב	ລ	i	5	~ N	Z.	NR
24-Dinitrophenol	8		ם	ā	5	ລ	XX.	NR	NR
2,6-Dichlorophenol			ב	5	'n	ä	NR	N.	XX.
2-Methyl-4,6-dinstrophenol	8		ם	5	໊	ສ	N.	ä	ž
Pentachlorophenol	8		<b>-</b>	5	5	'n	~N	N.	NN.
4-Nitrophenol	8		כ	ñ	ົວ	ä	N.	NR.	ž
Benzoic Acid	ጻ		ב	5	ñ	5	~N	NR.	X.
2-Methylphenol	2		כ	ລ	ñ	ñ	X.	N.	N.
3&4.Methylphenol	9		ם	5	5	5	××	NR	NR
23.4.6-Terrachlorophenol	•		ח	ñ	ñ	ñ	Ä	XX.	Ϋ́

productions formation for the first formation for the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formation of the first formatio

Table L-12 Site 3 - Ground Water Page 5D

	Method	Well/OC No.	TB3	昌	BRI	BR2	SHS
	Detection	Date Sampled:	9-19-88 DANGELTRO	9-12-88 DANGR:TRS	9.16-88 DANGB-1187	9-19-88 DANGR-RR8	9.14.83°
Parameter and Analysis Method		Lab Sample No.	88012532	8502356	88092492	88092528	88002425
SEMI-VOLATILE ORGANICS (EPA 625)	PA 625) Continu	Continued page 3					
Aroctor-1016	8		X.	N	N.	5	ົດ
Aroclor-1221	8		NR.	~N	N.	5	5
Arodor-1232	8		ž	ZN.	N.	ñ	ï
Aroclor-1242	8		N.	ž	ž	5	ö
Aroclor-1248	8		ž	ž	ž	ົລ	5
Aroclor-1254	8		Z.	ž	ž	ລ	ñ
Aroctor-1260	8	•	X.	ZZ.	ž	ñ	ñ
2-Chlorophenol	01		ž	Z Z	NR	5	5
2-Nitrophenol	2		XX XX	N.	ž	ສ	ö
Phenol	9		A.	ž	ž	5	ñ
2,4.Dimethylphenol	00		XX	N.	ž	5	ö
2.4.Dichlorophenol	01		ž	ž	N N	5	5
2,4,6-Trichlorophenol	00		ä	RN	NR	ā	5
4-Chloro-3-methylphenol	8		XX.	N.	N.	5	5
2,4-Dintrophenol	ន		æ	ž	ž	5	<u>5</u>
2,6-Dichlorophenol	•		N.	an N	ž	5	5
2-Methyl-4.6-dinitrophenol	ន		N.	ä	ž	5	ວັ
Pentachlorophenol	ន		~X	ä	N.	ö	ä
4-Nitrophenol	8		N.	ä	ž	5	5
Benzoic Acid	৪		NR R	NR	N.	ñ	5
2-Methylphenol	2		N.	NR.	NR.	5	5
3&4-Methylphenol	01		XX.	N.	ž	5	ā
23,4,6-Tetrachlorophenol	•		A.	NR	N.	5	5
2.4.5-Trichlorophenol	01		ž	ž	ž	5	ö

Table L-12 Site 3 - Ground Water Page 6A

Parameter and Analysis Method	Method Detection Limit	Well/QC No.: Date Sampled: Field Sample No.: DAN Lab Sample No.:	GW 3-A 9-17-88 GB-3-GW3A-GW-1 I: 88092515	Well/QC No.         GW 3-A         GW 3-B         GW 3-B         GW 3-B         GW 3-C         GW	GW 3-B DUF 9-17-88 4GB-3-MWS4-GW-1 DAP 88002514	GW3-C 9-17-88 4GB-3-GW3-C-GW-1 88902511	GW 3-C FB 9-17-88 DANGB-FBII DAN 8892512	GW 3-C FB GW 3-D MW25 9-17-8 9-17-8 9-14-88 DANGII-FBH DANGII-3-GW3D-GW-1 DANGIB-3-MW25-GW-1 88973512 88973516 8897323	MW25 9-14-8 NGB-3-MW25-GW-1 88993423
PESTICIDES AND PCII's (F.PA 608)	69								-
Data Package			67	6#	6#	6#		6#	<b>8</b> 3
Aldrin	50.0		<b>:</b>	: כ	: כ	<b>&gt;</b> :	ž	ם:	ם:
Aipha-BHC Beta-BHC	8 9 80 80 80 80 80 80 80 80 80 80 80 80 80		<b>=</b>	<b>=</b>		<b>&gt;</b> =	ž	<b>D</b> 5	<b>&gt;</b> =
Delta-BHC	Soo		כמ	o D	<b>=</b>	<b>O</b>	ź	<b>5</b>	> >
Gamma-BHC	\$0.0		ם	ם	n	D	ž	Þ	ב
Chlorodane	50		<b>D</b> :	<b>5</b> :	<b>&gt;</b> :	<b>)</b>	ž	D:	ב כ
4,4*,DDD 4,4*,DDG	0.10		<b>&gt;</b> =	<b>D E</b>	<b>&gt;</b> =	<b>&gt;</b>	ž 3	<b>&gt;</b> :	<b>&gt;</b> =
44":DDT	0.10		<b>5</b>	0 0	o =	כס	ž	<b>&gt; &gt;</b>	o =
Dieldrin	0.10		ם	D	· >	כי	ž	· >	: >
Endosulfan I	500		<b>:</b>	<b>ɔ</b> :	<b>&gt;</b> ;	<b>ɔ</b> :	ž	<b>ɔ</b> :	<b>:</b>
Endosulfan II Bodosulfan Sulfate	0.10		<b>5 2</b>	<b>-</b>	<b>&gt;</b> =	<b>-</b>	ž	<b>&gt;</b> =	<b>&gt;</b> =
Endrin	0.10		<b>&gt;</b> =	<b>-</b>	<b>,</b> 5	> =	ź	o =	<b>&gt;</b> =
Heptachlor	0.05		ם	כי	· <b>&gt;</b>	· <b>ɔ</b>	ž	ם ים	5
Heptachlor Epoxide	0.05		י כ	<b>D</b> :	<b>ɔ</b> :	ם י	<b>≅</b> .	<b>D</b>	D:
Kepone	0.10		5 :	<b>&gt;</b>	<b>-</b> :	<b>&gt;</b> :	<b>≅</b> 5	<b>5</b>	<b>&gt;</b> =
Nethoxychior	3 =		) =	<b>&gt;</b> =	> =	o =	ž	<b>&gt;</b> =	<b>-</b>
PCB-1016	20		ככ	<b>&gt;</b> >	<b>⊃</b>	<b>&gt; &gt;</b>	ź	2	<b>&gt;</b> >
PCB-1221	50		ב	D	<b>-</b>	D	N.	D	ח
PCB-1232	50		ָם י	<b>&gt;</b> ;	: כ	י כ	ž	<b>ɔ</b> ;	<b>&gt;</b> :
PCB-1242	00 V		<b>z =</b>	<b>,</b> =	<b>3</b> =	4 =	ž	s =	<b>&gt;</b> =
PCB-1254	3 2		<b>&gt; &gt;</b>	<b>)</b>	<b>&gt;</b> >	<b>&gt; &gt;</b>	ž z	<b>&gt; &gt;</b>	<b>&gt; &gt;</b>
PCB-1260	2		מ	D	n	n	Z X	D	ם
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	RBONS (EPA 4	18.1)							
Data Package			6	6/	6#	. 61		6.	8.4
Units; mg/L			ח	D	ח	ס	X.	D	ם
3									
METALS (Units: mg/L)									
Data Package			6.	6#	64	6/		6.7	8.
Arsenic(SW 70x0)	10'0		10.0 >	10.0 >	< 0.01	< 0.01	X.	Z	< 0.01
Barium(SW (010)	07		< 0.2	< 0.2	< 0.2	< 0.2	~X	< 0.2	< 0.2
Cadmium(SW 7131)	5000		< 0.005	< 0.005	< 0.005	< 0.005	NR	< 0.005	< 0.005
Chromium (SW 7191)	100		< 0.01	100 >	< 0.01	< 0.01	ž	< 0.01	v 0.01
Lead(SW 7421)	500.0		< 0.005	< 0.005	< 0.005	< 0.005	ž	< 0.005	< 0.005
Mercury(SW 7470)	0.0002		< 0 0002	< 0.0002	< 0.0002	< 0.0002	ž	左	< 0.0002
SPECIFIC CONDUCTANCE (EPA 120.1)	(120.1)		333	•		9	ş		536
Units: mS/cm @ 25 C			Dec. 0	71017	71017	0.228	NK.	750	2000
TEMPERATURE (EPA 170.1) Units:°C		•	5.0	676 ,	6'6	9.2	ž	9.6	12.8
pH (EPA 150.1) Units: pH Units			7.18	7,48	7,48	5.73	N.	7.49	18.7

total

Parameter and Analysis Method	Detection	Well/OC Noz Date Sampled:	NW26 9-14-88	MW26 DUP 9-14-88	MW27 9-15 88	MW28 9-19-88	MW29 9-15-88	MW29 FB 9-15-88	MW30
	Ciaji Ciaji	Freid Sample Noz. DA? Læb Sample Noz.	4GB-3-MWZ6-GW-1 1 880/3426	MNGB-3-MWS3 GW-1 88002427	Field Sample No.: DANGB-3-MW26-GW.1 DANGB-3-MW27-GW.1 DANGB-3-MW27-GW.1 DANGB-3-MW26-GW.1 DANGB-3-MW29-GW.1 Lab Sample No.: 889724268/ 88972487 88972487/88972568/ 8897255 8882490/88972355 8892490/88972355 8892255	ANGB-3-MW28-GW-1 88092525	DANGB-3-MW29 GW-1 88082490/88072355	DANGB-FB10 DANGB-3-MW30-GW-1 8807J191 8809J194	GB:3-MW30-GW-1 88092494
PESTICIDES AND PCII's (EPA 666)	(909)								
Data Package			23	,	6.1	122	121		8
Aldrin	900		D	D	כ	כ	ם	N.	ה
Alpha-BilC	50.0		ם	מ	ם	n	ם	N.	ר
Deta-Bic	500		<b>ɔ</b> :	: כ	ים:	<b>D</b>	ם י	XX	<b>¬</b>
Detta-HITC	8 8		>:	<b>&gt;</b> :	<b>&gt;</b> :	<b>D</b> :	<b>)</b>	Z	<b>:</b>
Camma-tille	30		<b>&gt;</b> :	>:	>:	<b>&gt;</b> :	<b>-</b> :	a i	<b>.</b>
Chlorodane	3 5		<b>&gt;</b> :	⊃:	<b>:</b>	<b>-</b>	<b>-</b>	ZZ.	<b>,</b>
44-000	0.10		<b>-</b> :	> :	<b>&gt;</b> :	= :	<b>-</b> :	2 X	<b>&gt;</b> ;
44-DDIS	0.10		<b>&gt;</b> =	= =	<b>-</b>	<b>&gt;</b> =	<b>&gt;</b> =	Z Z	<b>)</b> :
Dieldin	2 5		) =	2	=	> =	) =	ž	
Endocultan I	500		=	=		= =	e =	ž	<b>-</b>
Endosulfan II	0,10		5	> =	2	• =	=======================================	ž X	) =
Endosulfan Sulfate	0.10		2		5	5	; <b>ɔ</b>	an an	, _
Endrin	0.10		ם	>	5	ב	ח	N. R.	· •
Heptachlor	0.05		ב	ם	n	ם	ס	N.	ر
Heptachlor Epoxide	500		ם	D	Þ	מ	2	N.	2
Kepone	0.10		5	Þ	n	כ	ב	az Z	_
Methorychlor	0.5		ב	D	<b>&gt;</b>	ח	ב	N.	_
Toxaphene	9 %		<b>:</b>	>:	> :	<b>:</b>	<b>&gt;</b> :	¥ :	<b>.</b>
	3 2		: י	> =	) I		<b>&gt;</b> :	X S	
PCIF-122			2 2	ככ	ככ	0 12	<b>-</b>	ž Z	-
PCB-1342	50		· <b>ɔ</b>	· >	2	•	<b>&gt; &gt;</b>	Z.	
PCD-1248	0.5		ם	ב	ם		כ	N.	_
PCB-1254 PCB-1260	2 2		ככ	ככ	ככ	<b>&gt;</b>	<b>D</b> D	X X	ם ם
									'
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	CARBONS (EPA	. 418.1)							
Data Package			62	27	122	<b>4</b> 33	15.7		₹8
Unite: mg/L			ח	ם	D	n	ž	NR	ב
MEINIS (OBBE BAL)									
Data Package			8,	120	#21	122	137		8.
Arsenic(SW 70:0)			0.01	10'0 >	100 >	< 0.01	N 500.0>	ZZ.	< 0.01
Uarium(SW 6010)			< 0.2	< 0.2	< 0.2	< 0.2	\$00>	Ä	< 0.2
C*dmium(SW 7131)			< 0.005	< 0.005	< 0.005	< 0.205	1000>	~X	< 0.005
Chromium (SW 7191)			1000 >	100 >	10'0 >	< 0.01	81 7200.0	ž	< 0.01
Lead(SW 7421)			< 0.005	> 0000	< 0.005	< 0.005	ž	N.	< 0.005
Mercuny(SW 7470)			< 0.0002	< 0.0002	< 0,0002	< 0.0002	< 0 005 W	N.	< 0.0002
SPECIFIC CONDUCTANCE (EPA 120.1)	PA 120.1)								
Unite: mS/cm @ 25°C			0.528	0.528	0,842	94470	¢76:0	N N	0.690
TEMPERATURE (EPA 170.1) Unite °C			143	143	11.8	211	153	N A	9.2
pH (EPA 150.1)									
Unite: pil Unite			0%9	839	7.05	8.17	7.24	Z.	738

Table L-12 Site 3 - Ground Water Page &C

PESTICIDES AND PCII's (1974 (08) Data Package Aldrin Alpha-BHC Beta-BHC Colineal BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC Gamma-BHC G		Lab Sample No.: R802526 R802526 R800248 R800248 R8002495 R8002495 R8002495 R8002495 R8002495 R8002495 R8002495 R8002488 R8002489 R8002495 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R8002488 R800248 R800248 R800248 R800248 R8002488 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R800248 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024 R80024	88092488	16-2-01W2-1-CW1 UANG 88092495	-88092527	NANGIE-1812 R8092531	880)2489	DANGII-TI8 88022493
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rrodane JDD JDD JDDE JDT JDT JTI JTI Sculfan I Sculfan II Sculfan Sulfate in echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor echlor	500	מ	· >	; <b>&gt;</b>	; <b>&gt;</b>	ź	ž ž	ž ž
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rio euita I euita II euita Sulfate in echòr Epoxide echòr Epoxide	0.00	<b>:</b>	<b>&gt;</b> :	<b>&gt;</b> :	<b>ɔ</b> :	ž	NR	NR
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eulfan II sulfate in schlor schlor, Epoxide ne	50.0	) )	<b>&gt; &gt;</b>	<b>&gt;</b> >	<b>)</b> =	ž	ž	ž ž
sulfan Sulfate n rchlor echlor_Epoxide ne oxychlor	0.10	כ	ם	· D	2	ź	Z Z	, Z Z
n chlór chlór Ispoxide ne oxychlor	0.10	ם: י	י כ	ם	n	ž	ž	Z
kinoi chiòr Epoxide ne mychlor	0.10	o:	<b>:</b>	<b>&gt;</b> :	<b>ɔ</b> ;	ž	N.	N.
ne oxychlor	0.00	<b>)</b>	<b>&gt;</b> =	<b>&gt;</b> =	<b>:</b>	ž s	ž :	X.
oxychlor	0.10	) <b>=</b>	<b>-</b>	) =	> <b>=</b>	ž	Ž	Z Z
	0.5	כי	· ⊃	: =	=	ž	£ 2	ž
Toxaphene	0.1	כ	Ω	· 5	ם ס	ž	X X	ž X
PCB-1016	0.5	ם:	ם	ח	n	ž	Z.	Z.
PCB-1221	2 6	ָם בּ	>:	<b>&gt;</b> :	<b>&gt;</b> :	ž i	¥'	Z.
PCB-1242	20	o =	o =	<b>&gt;</b> =	<b>&gt; =</b>	ž	æ g	ž s
PCB-1248	50	<b>&gt; &gt;</b> '	5	כס	0 5	XX XX	X X	X X
PCB-1254 PCB-1260	ā. 61	ככ	ככ	ככ	ככ	ž ž	X X	X X
					•	•	•	
TOTAL PERIODEUM MYDROCARBONS (BPA 41K1)	ONS (EFA 41R.1)							
Data Padage		122		8/	122			٠
Units: mg/L		ם	Ř	Ð	ם	ž	N.	N N
METALS (Unite: mg/l.)						•		
Data Package		1.77	/21	000	73			
Arsenio(SW 2000)	100	100 \	106 \	100		į	į	1
Barium(SW 6010)	03		, 00	100	10.0	¥ 2	ž, s	ž
Cadmium(SW 7131)	\$000	5000 >	5000 >	\$0.00 ×	3000	ž	¥ 6 7	¥ X
Chromium (SW 7191)	100	100 >	100 >	100 >	1000	ž ž	מא א	¥ 2
Lead(SW 7421)	5000	2000 >	\$000 >	5000	SUO V	2 2	£ 2	Y. A
20)	0,0002	< 0,0002	< 0.0002	< 0.0002	< 0.0002	É Ž	ž	X X
SPECIFIC CONDUCTANCE (FPA 1201)						:		
Units: mS/cm @ 28°C	(-	1.162	1.822	1.013	0.283	MR	N	NR.
TEMPERATURE (EPA 170.1) Units ⁹ C		10.0	1.8	86	15.1	~Z	ž	X.
pH (EPA 150.1)		;						
Units pil Cont		7.82	7.49	7.48	73.7	ž	NR	NR

Table L-12 Site 3 - Ground Water Page 6D

A marketon &

acuta)

	Method	Well/OC No: Date Sampled:	TII3 9.19.88	7114 9.12.88	BRU 9.16-88	DR2 9.19.88	BR3 9-14-88
Parameter and Analysis Method	Limit	Field Sample No.: Lab Sample No.:	DANGB-1119 8902532	DANGB-TB5 88092356	DANGB-11117 88002492	DANGB-BR8 88092528	DANGB-BR6 88092425
PESTICIDES AND PCIFF (EPA 608)	(809)						
Data Package						<b>1</b> 22	\$ \$
Aldrin	SOO		NR.	NK.	NR	ם	מ
Alpha-Bitc Beta-Bitc	8 00 8 00 8 00		ž	ž	ž	<b>&gt;</b>	<b>&gt; =</b>
Delta-BHC	900		ž	ž	ž	5	2 5
Gamma-BIIC	50.0		K :	ž	ž	ס	n
Chlorodane	5 G		ž s	ž	ž	<b>&gt;</b> :	<b>:</b>
44:DDE	0.10		ž	ž	žž	<b>)</b>	0 2
4,4.DDT	01.0		Z	z.	ž	, 5	בים
Dieldrin	0.10		ž	X :	Z.	<b>ɔ</b> :	ה :
Endosulian I	9 5		ž ž	ž	ž	<b>&gt;</b> :	<b>&gt;</b> :
Endosulian Sulfate	0.10	•	£ 2	ž ž	ž	> =	=
Endrin	0.10		ZX.	ž	ž	<b>&gt;</b> =	ם כ
Heptachlor	200		N.	N.	ž	כ	n
Heptachlor Epoxide	50,0		N.	Z.	NR	Ð	ה מ
Kepone	0.10		z z	ž	ž i	<b>&gt;</b> :	<b>&gt;</b> :
Toxaphene	3 9		ž	ž	ž	<b>&gt;</b> =	0 =
PCII:1016	0.5		N.	ž	ž	כי	•
PCB-1221	20		ž :	¥.	N.	<b>D</b> :	<b>D</b> :
PCB-1232 PCR-1242	5 5		ž	ž	žã	<b>&gt;</b> =	<b>&gt;</b> =
PCB-1248	20		ž	ž	Z Z	כס	)
PCB-1254	01 S		Z :	¥.	ž	<b>&gt;</b>	<b>D</b>
PCB-1200	<b>9</b>		ž	ž	ž	5	<b>&gt;</b>
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	CARBONS (EPA	418.1)					
Data Package					. 122	122	, #20
Units: mg/L			an an	N.	ב	D	n
Mirral C (Huiter mo/I)							
(5 (9)) (5)							
Data Package					<b>8</b>	7.7	<b>*</b> 30
Arsenic(SW 7000).			NR	ž	> 0.01	< 0.01	< 0.01
Barium(SW 6010)			NR	Ä	< 0.2	< 0.2	< 0.2
Cadmium(SW 7131)			NR.	Ä	< 0.005	< 0.005	< 0.005
Chromium (SW 7191)			N.	ž	100 >	0'0 >	< 0.01
Lead(SW 7421)			Z.	ž	< 0.005	< 0.005	< 0.005
Mercun(SW 7470)			en en	≅ X	< 0.0002	< 0.0002	< 0.0002
SPECIFIC CONDUCTANCE (EPA 120.1) Units mS/cm @ 25°C	EPA 120.1)		N N	NR	ž	NR	NR
							•
TEMPERATURE (EPA 170.1) Units.º C			Ä	N.	<del>Z</del>	~	Ä.
pH (EPA 150.1) Hoise of Hoise			N.	N.	N.	N N	N.
Cillia pre Cum.							-

Table I. 12 Site 3 - Ground Water Pags 7

Data Package # Numbers refer to Data Packages in Appreciate M.

DUP Duplicate,
BR Baster rinsate,
FB Field blank,
TB Trip blank,
B For organic analyses, the parameter was detected in the laboratory blank as well as the sample,

NR The analysis was not requested.

NT Not lested.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

W The analysis spike, a spike added to the sample digestate had a percent recovery out of control limits (85-115 percent), and the sample absorbance is less than 50 percent of the spike, I The holding time was missed for this analysis. See Appendix N.

The EPA has not yet reported on a method detection limit for this parameter,

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## TABLE L-13 SITE 4 MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR SURFACE WATER SAMPLES (Results in micrograms per liter unless otherwise noted.)

Detection	Date Campled	SL11	SI.12	SL13	SL13 DUP	, SL14	SUI4 FB	SLIS
Limit Limit Limit	Ę,	DANGB4.SLII.SW.I	DANGB-4-SE,12-SW-1 8802679	DANGB4-SLI3-SW-1 88092719	DANGB-4-SL26-SW-1 890)2720	9-24-08 DANGB-4-5L14-SW-1 8802723	7-24-88 DANGB-FB17 8892728	9-24-88 DANGB-4-SLIS-SW-1 8892722
							`,	
HALOGENATED VOLATILE ORGANICS (SW 8010)	60							
Data Package		~	11	¥13	£13	114	#14	#13
J	Q	D	ם	ם	Ð	ם	D	ם
	q	ລ	D	ח	ח	n	ם	ם
propyl)ether	Q	ח	D	D	Ω	מ	ם	J.
	•	ח	₽	D	<b>&gt;</b>	n	Þ	n
promethane	•	Ω	Þ	D	n	n	מ	מ
	Q	מ	פ	ם	ח	ם	ח	n
	2	ח	ם	ח	מ	ם	ב	כ
de '	6	<b>&gt;</b> ;	<b>ɔ</b> ;	n :	<b>&gt;</b> :	<b>ɔ</b> ;	n :	<b>:</b>
Chloracetaldehyde 7 50.0		<b>:</b>	<b>:</b>	o:	<b>:</b>	<b>:</b>	<b>:</b>	<b>:</b>
Chombenses	5 Y	<b>-</b>	> =	) <del>=</del>	<b>.</b>	<b>&gt;</b> =	o =	<b>.</b>
	2 2	) <u> </u>	, <b>,</b>			) <u>-</u>		
	٠,	מ	ם	, ,	מ	<b>-</b>	ם	n
3-Chlorohexane 0.50	•	D	ח	n	מ	ח	n	n
ing Ether	8	ם	מ	n	ח	ם	ח	ם
	ø	ב	<b>D</b>	מ	n	ລ	בי בי	מ
slethyl Ether	•	<b>&gt;</b> :	<b>&gt;</b> :	D:	<b>-</b> :	<b>:</b>	o :	<b>:</b>
Chlorotoluene	<b>~</b>	<b>&gt;</b> :	<b>-</b>	<b>&gt;</b> :	: כ	<b>&gt;</b> :	<b>&gt;</b> :	<b>)</b>
Distriction of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co		<b>-</b>	) =	> =	> =	) <u>=</u>	> =	) =
90	» <b>•</b>	ם מ	<b>&gt; &gt;</b>	) D	ממ	כס	פמ	ם מ
	2	n	ם	n	D	ח	D	D
1,4-Dichlorobenzene 0.24	**	ח	ם	n	ם	n	ב	<b>D</b>
rthane	œ	D	מ	٥.	n	n	D	Ð
	•	ם	Ð	.D	ם	n	ָר מ	<b>D</b>
		ם	ם	n	<b>-</b>	n	<b>&gt;</b>	ם :
		Α:	<b>5</b> :	ם :	<b>n</b> ;	<b>:</b>	<b>:</b>	ָה א
xthene	•	ָב י	n :	<b>&gt;</b>	D ;	n :	0	61
	ın ·	10.1	801	4513	: : ::	11 9°I	9.8.13	= = = = = = = = = = = = = = = = = = =
1,4-Dichiophropane			o ::	<b>&gt;</b> 5		<b>&gt;</b> =	> <b>=</b>	
1.3-1.7cmorphopytene U.3-1.3.3 Televoltica chian	* 5	0 =	o =	<b>)</b>	-	o =	> =	> =
		=	=	) =		ok E		
		ב	ב	n	כ	ם	מ	n
ne	<b>5</b>	n	ח	ם	. <b>ɔ</b>	ר	ח	.D
1,1,2-Trichloroe;hane 0.02	2	<b>¬</b>	ח	ם	<b>n</b>	Ċ	מ	<b>D</b>
Trichloroethene 0.12	2	Ω	0.23	860	n	ח	ם	D
Trichlorofluoromethane 0.50	9	5	Ω	Ω	n	ם	Þ	ם
Trichloropropane 0.50		٥	ם	Ð	ם	כ	ב	ב

Table L-13
Site 4 - Surface Water
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Detection	Detection Date Sampled: Limit Field Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab Sample No. Lab	9-27-88 64 DANGB4-SLI6-SW-1 8002777 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	9-27-88 DANOB-TB16 88992776 U U U U U U U U U U U U U U U U U U
Parameter and Analysis Method  HALOGENATED VOLATILE ORGANICS (S)  Data Package  Benzyl Chloride  Bis(2-chlorostpropyl)ether  Bis(2-chlorostpropyl)ether  Bromodichkoromethane  Bromodichkoromethane  Bromodichkoromethane  Bromodichkoromethane  Graton Tetrachloride  Chlorosthane  Chlorocthane		· ·	
Parameter and Analysis Method  IIALOGENATED VOLATILE ORGANICS (SY Data Package Benzyl Chloride Bis(2-chloroethoxy)methane Bis(2-chloroethoxy)methane Bis(2-chloroethoxy)methane Bis(2-chloroethoxy)methane Bromodichhoromethane Bromodichhoromethane Bromochane Carton Terrachloride Chloroethane Chloroethane Chloroethane Chlorobexane 1-Chlorobexane 2-Chloroethyl Vinyl Ether		88023	
HALOGENATED VOLATILE ORGANICS (SY Data Package Benzyl Chloride Bis(2-chloroethoxy)methane Bis(2-chloroethoxy)methane Bis(2-chloroethoxy)methane Bisomodichloromethane Bromodichloromethane Bromodichloromethane Carton Tetrachloride Chloroethane Chloroethane Chloroethane Chlorobexane 1-Chlorobexane 2-Chloroethyl Vinyl Ether	.W #010) 0.50 0.50 0.10 0.20 1.2 50.0 50.0 50.0	2 2000000000000000000000000000000000000	
Data Package Benzyl Chloride Bis(2-chlorosethoxy)methane Bis(2-chlorosepropyl)methane Bis(2-chlorosepropyl)ether Bromodichloromethane Bromodichloromethane Bromoethane Carbon Terrachloride Chlorocethale Chlorocethane Chlorocethane Chlorocethane Chlorochane 1-Chlorochane 2-Chlorochane 2-Chlorochane	0.30 5.0 0.30 0.10 0.20 5.00 5.00 5.00 5.00 5.00 5.00 5.0	2 100000000	
Benryl Chloride Bis(2-chlorocthoxy)methane Bis(2-chlorosopropyl)ether Bromodennzene Bromodennzene Bromodennane Bromodennane Carton Tetrachloride Chlorocthane Chlorochane Chlorochane Chlorochane Chlorochane 1-Chlorochane 1-Chlorochane	0.50 5.0 0.50 0.10 0.20 0.20 5.00 5.00 0.52	מכמכמכמכמ	,
Bis(2-chlorocthoxy)methane Bis(2-chlorosopropyl)ether Bromodentare Bromodichloromethane Bromothane Carton Tetrachloride Chlorocthadehyde Chlorocthane Chlorochane Chlorochane Chlorochane Chlorochane 2-Chlorochane 2-Chlorochane	5.0 0.50 0.10 0.10 0.20 0.12 5.0.0 5.0.0 0.52 0.53	מככככככככ	
Bis (2-chloroisopropyl) ether Bromodenzene Bromodichloromethane Bromochane Carton Terachloride Chloracetaldehyde Chloracetaldehyde Chloroisethane Chloroisethane Chloroisethane Chloroform 1-Chlorobecsane 2-Chlorocethyl Vinyl Ether	5.0 0.50 0.10 0.20 1.2 5.0 5.0 0.52 0.53	מכככככככ	,
Bromotenzene Bromodichloromethane Bromotoma Bromotenthane Carton Terrachloride Chloracetaldehyde Chloracetaldehyde Chloracetaldehyde Chlorotenane Chlorotenane 1-Chlorotexane 2-Chlorotexane	0.50 0.20 0.20 0.12 50.0 50.0 0.52 0.53	222222	
Bromodichloromethane Bromochane Carbon Tetrachloride Carbon Tetrachloride Chloracetaldehyde Chlorabenzene Chlorobenzene Chlorocethane 1-Chlorobecane 2-Chlorobecane	0.10 0.20 0.12 50.0 0.25 0.65		
Bromoform Bromocthane Carbon Terrachloride Chloractaldehyde Chlorabenzene Chlorothane Chlorothane 1-Chlorobexane 2-Chlorobexthy Vinyl Ether	0.20 1.12 50.0 50.0 0.25 0.65	20223	
Bromoethane Carbon Tetrathloride Chloracetaldetyde Chloracetaldetyde Chlorothane Chlorothane Chlorotom 1-Chlorobexane 2-Chlorocethyl Vinyl Ether	1.2 50.0 50.0 52.0 53.2 56.0	2022	
Carbon Tetrachloride Chloracetaldchyde Chloral Chlorochane Chlorochane Chlorochane 1-Chlorobecane 2-Chlorocethyl Vinyl Ether	0.12 50.0 0.25 0.52 0.05	מכככ	
Chloracetaldehyde Chloral Chlorachane Chlorochane Chlorobecane 1-Chlorobecane 2-Chlorochyl Vinyl Ether	50.0 50.0 0.25 0.52 0.05	מכם	
Chloral Chlorobenzene Chloroethane Chloroform I-Chlorobexane 2-Chloroethyl Vinyl Ether	500 0.25 0.52 0.05 0.05	מכ	
Chlorobenzene Chloroethane Chloroform I-Chlorohexane 2-Chloroethyl Vinyl Ether	0,25 0,52 0,05	ם	
Chloroethane Chloroform I-Chlorohexane 2-Chloroethyl Vinyl Ether	0.52 0.05		מ
Chloroform I-Chlorohexane 2-Chloroethyl Vinyl Ether	50.0	ח	
1-Chlorohexane 2-Chloroethyl Vinyl Ether	Ş	כ	0.2
2-Chloroethyl Vinyl Ether	8	a	ລ
	0.13	כ	n
Chloromethane	80'0	ס	Þ
Chloromethyl Methyl Ether	5.0	D	n
Chlorotoluene	0.50	ם	ם
Dibromochloromethane	60'0	, D	2.6
Dibromoethane	0.50	n	ם
1,2-Dichlorobenzene	0.15	<b>.</b>	ם
1,3-Dichlorobenzene	0.32	כ	D
1,4.Dichlorobenzene	0.24	ם	ם
Dichlorodifluoromethane	1.8	ם	ם
1,1-Dichloroethane	200	ם	ח
1.2-Dichloroethane	800	n	ם
1,1.Dichloroethene	0.13	D	ם
Trans-1,2-Dichloroethene	0.0	53	<b>=</b>
Dichloromethane	0.25	0.513	45B
1.2-Dichloropropane	900	ב	ם
1,3-Dichloropropylene	0.34	Ω	ລ
1,1,2,2-Tetrachloroethane	0.03	ם	n
1,1,1,2-Tetrachloroethane	0.50	ם	ם
Tetrachloroethene	0.03	ם	ח
1,1,1-Trichloroethane	6003	כ	ח
1,1,2-Trichloroethanc	0,02	ם	n
Trichloroethene	0.12	650	n
Trichlorofluoromethane	050	ם	n
Trichloropropane	0.50	מ	ב
Viryl Chloride	810	- 1	=

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Parameter and Analysis Method	Method Detection Limit		Location/QC No.: SI.11  Date Sampled: 9-23-88  Field Sample No.: DANGB-4-SI.11-SW-1  Lab Sample No.: 88002(80)	SL12 9-23-88 DANGB4-SL12-SW-1 88092679	SI.13 9.21-88 DANGB4-SI.13-SW-1 88992719	SL13 DUP 9-24-88 DANGB-4-SI 26-SW-1 8800220	SL14 9-21-88 DANGB-4-SL14-SW-1	SL14 FB -9-24-88 DANGB-FB17	SL15 9-24-88 DANGB4-SL15-SW-1
AROMATIC VOLATILE ORGANICS (SW 8020)	3 (SW 8020)							07176000	7717(000)
Data Package		•	11	ï	<b>/</b> 13	<b>€13</b>	<b>613</b>	\$13	ş. * 13
Benzene	0.2		Ξ	מ	0%	000	, ,	=	&
Chlorobenzene	07		n	ם	ם	D	=		3 =
1.2-Dichlorobenzene	90		ח	ח	ָ בּ	; D	: =	=	
1.3-Dichlorobenzene	40		ם	<b>-</b>	ם	; <b>D</b>	· =	=	· =
1,4-Dichlorobenzene	03		<b>D</b>	D	n	, ,	ם	=	,
Ethyl Benzene	0.2		6.2	D	7,	051	; <b>5</b>		6
Toluene	07		<del>.</del> .	D	ם	8	2		; =
Total Xylenes	0.0		20.7	D	1020	950	. 2	, =	2

	Mehod			
	Menne	Location/OC No.:	SI,16	缸
	Detection	Detection Date Sampled:	9-27-88	9.27.88
	Cimit	Field Sample No.:	Field Sample No.: DANGB-4-SL16-SW-1	DANGB-TB16
Parameter and Analysis Method		Lab Sample No.:	1777.098	88092776
Data Package			42	42
inzene	07		1.2	ם
hloroberaene	07		n	ם
2-Dichlorobenzene	0.4		מ	n
3-Dichlorobenzene	70		ֹם	ח
-Dichlorobenzene	60	•	ם	ח
Ethyl Benzene	<b>6</b>		ם	כ
Toluene	07		כ	כ
Total Nylenes	8		ח	n

Water	
Table L-13 Site 4 Surface Page 3A	

Method Detection	Date Sampled:	SI.13 9-23-88	SL12 9-23-88	924.88	9.24.88	9.21.88	9.24.88	9.24-88
Parameter and Analysis Method	Lab Sample No.:	88092680	8802679	88092719	WANGE 4-51.20-5 W-1	R802723	8802728	DANGB4-5LI5-5W-1
SEMI-VOLATILE ORGANICS (EPA 625) Page 1	•				•			
Data Package					•			
1.3-Dichlorobenzene		~N	NR	N.	~N	Z.	X X	XX
1,4.Dichlorobenzene		N.	NR	NR	ž	an An	X.	:X
Hexachloroethane		¥Z	N.	~~	N.	X.	NR	AN
Bis(2-chkoroethyl)ether		ž	NR	N	NR	NR	AN.	AN.
1,2-Dichlorobenzene		ž	NR	N.	ž	NR.	NR	N.
N-Nitrosodimethylamine		ž	~X	ž	ž	Ä	NR	NR
Bis(2-chloroisopropyl)ether		ž	ZZ.	ž	X.	Ä	N.	N.
N-Nitrosodi-n-propy lamine		ž	N.	NR	ä	ž	RN	ž
Hexachlorobutadiene		ž	ä	ž	ž	ĭ	AN.	AZ.
1.2.4-Trichlorobenzene		ĭX	N.	ž	ž	ž	X.	N.
Nirekenzene		ž	N.	ž	ž	N.	XX.	AN.
Isophorone		ž	N.	ž,	ž	N.	XX.	AN AN
Naphthalene		YN.	~	¥N.	₩ N	ä	N.	N.
Bis(2-chloroethory)methane		ž	Ä.	ä	, NR	NR.	ኢ አ	AN.
2-Chloronaphthalene		¥	X.	ž	ž	ä	XX.	XX.
Hexachlorocyclopentadiene		ž	¥X	ž	¥ X	ĭ	NN	N.
Acensphilylene.		¥	N.	¥	ZZ.	ž.	N.	A.
Acenaphthene		ž	N.	¥	and a	ř	XX	XX.
Directhyl Phthalate		ž	ž	ž	XX.	ž	ž	and a
2,6-Dinstrotofuene		ž		ž	ž	ž	ÄN.	XX.
Fluorene		ž i	a i	ž	an i	X.	Z :	ž.
2,4-Dinitrosoluene		ž	e i	ž	ž	ž !	¥ :	ž :
Dictiyi Phihalate		ž	¥ .	ž	ž	X i	ž :	ž
N-Nurosodiphenylamine		ž	ZZ Z	ž	ž i	ž	ž ž	EZ S
liexachlorobenzene		¥ i	XX ,	ž	X :	ž	ž :	X i
Phenanthrene		ž	¥ !	ž	ž !	ž.	¥ !	X :
Anthracene		ž.	W.	ž	ž :	ž :	ž.	¥ !
Diburyl Phihalate		ž	¥ i	ž	ž i	ž	X :	ž !
Fluoranthene		ž	X X	ž	ž.	ž !	¥ :	ž
4-Chlorophenyl Phenyl Ether		ž :	NY.	Z.	A	ž	ž!	X :
Pyrene		ž	ž.	ž	ž i	ž	ž :	ž
Butyl Henzyl Phihatate		¥.	ž !	ž :	ž	ž :	ž	Y S
lits(2-ethylbexyl)phthalate		ž	¥ !	ž ;	ž !	YN !	X :	ž
Chrysene		ž	H.	ž	ž :	ž	ž.	X i
4-Bromophenyl Phenyl Ether		ž	¥ i	ž.	ž	ž	¥ :	XX !
Denzo(a)anthracene		ž	ž	ž	ž	~ Z	XX.	X.
Di-n-octylphthalste		ž	Z.	ž	ž	~ ~	XX.	Z.
Benzo(b)fluoranthene		ž	ä	ž	ž	¥	ä	ž
Benzo(k)fluoranthene		ž	N.	ž	ž	NN NN	NR	<u> </u>
Benzídine		NR	NR	ž	ž	ž	NR	NR
33*Dichlorobenzidine		NK	AN.	ž	ž	¥.	N.	¥N
Вепго(а)рутепе		XX	Z.	ž	ž	<b>X</b> X	N.	N.
Indeno(1,23-cd)pyrene		≅Z.	N.	an N	ž	ž	ä	¥Z.
Dibenzo(a,h)anthracene		ř	N.	N.	ž	ž	¥N	XX
Benzo(ghi)perylene		¥N	NR	ĭN N	ž	N.	NR	NN
		27	ax	ä	2	22	27	

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Principles :	**
- ALESSA	

Table (1-13 Site 4 Surface Water Page 313

Parameter and Analysis Method	Detection	Date Sampled: Field Sample No.: Lab Sample No.:	9-27-88 DANGB-4-81,16-8W-1 88992777	95.77.68 DANGB:TB16 8807.776
SEMI-VOLATILE ORGANICS (EPA 625) Page 1	325) Page 1			
Data Package			12	
13-Dichlorobenzene			ñ	NR
1,4-Dichlorobentene			ñ	AN
Hexachloroethane			5	NR
Bis(2-chloroethyl)ether			ñ	ä
1,2-Dichlorobenzene			5	ž
N-Mitrosodimetayiamine Die(2, Artomisonamilar ker			5 5	ž
N-N-trosodi-n-provdamine			5 5	# Z
Hexachlorobutadiene			in	AN AN
1,2,4-Trichlorobenzene			5	ä
Nirobenzene			ij	ZZ.
Isophorone			ິກ	NR
Naphthalene			5	ž
Bis(2-chloroethoxy)methane			<b>5</b>	AN :
Z-Curotonaponnatene			5 :	ž:
Hexachiorocyclopentadiene Acresobilitylese			<b>3</b> 5	ž
Accaphithene			; <u>5</u>	ZZ.
Dimethyl Phthalate			5	2
2,6-Dinitrotoluene			5 5	Z.
Fluorene			5	AN.
2,4-Dinitrotoluene			ö	ž
Diethyl Phihalate			5	Z.
N-Nitrosodiphenylamine			5.5	ž
Describera			3 5	Z X
Anthracene			5 <b>E</b>	ž
Diburyl Phthalate			5 5	ž
Fluoranthene			5	N. N.
4-Chlorophenyl Phenyl Ether			ົລ	ä
Pyrene			5	, NR
Butyl Benzyl Phihalate			61	N.
Bis(2-ethylhevyl)phthalate			12 18	Ä,
Chrysene			5	ä
4-Bromophenyl Phenyl Ether			<b>5</b> :	Z :
Benzo(a)anthracenc			<b>5</b>	Z !
Di-n-octylphthalate			<b>3</b> :	ž.
Benzo(b)fluoranthene			5	ZZ.
Benzo(k)fluoranthene			<b>5</b>	an a
Benzidine			5	ž
3,3'-Dichkorobenzidine			ij	Z,
Benzo(a)pyrene			ij	XX.
Indeno(1,2,3-cd)pyrene			ij	, K
Dibenzo(a,h)anthracene			5	ž

Table L-13 Site 4 Surface Water Page 4A

	TOTAL STREET	SCII	SUIZ	SITE	SEISTOR	SL14	3L14 FB	Cine
Detection		9.23.88	9.23.88	9.24.88	9.24.88	9.21.88	9-24-88	9.24.88
Limit Parameter and Analyzis Method	Lab Sample No.	BANCH 4-5L11-5 W-1	993698 8893679	077.0088 8800.219	NANCIII-4-51,26-5 W-1 88092720	DANGIS-4-SL14-5 W-1 88092723	NANGB-1-BI / 88092728	MANGE-SELIS-SW1
SEMI-VOLATILE ORGANICS /EPA 625) Continued page 2	page 2							
		2	2	5		9	9	9
Actions		ž X	ž	ž	ž	ž	ž	¥ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
4-Aminobynhenyl		ž	N N	ž	Z Z	Z Z	ž	ž
4-Chloroaniline		NR	N.	N.	NN	~ XX	NR	NN.
1-Chloronapththalene		NR	ä	ž	' <del>X</del> X	N.	ä	≅X
Dibenzofuran		Ĭ	NN.	ž	ž	N.	AN	AN
p-Dimethylaminoszobenzene		~~	AN.	ž	NR	ä	NN.	N.R.
7,12-Dimethymonz(a)anihracene		XX.	NR	ž	~N	ž	NR	A.
4., Dimethylphenethylamine		ž	NR	NR	ž	ä	N.	, W
Diphenylamine		N	NR.	¥N.	ž	an N	NN RN	A.N.
1,2.Diphenylhydrazine		N.	NR	ž	₩.	ä	N.	N.
Ethylmethanesulfonate	•	ž	N.	N.	NR	ž	NR	N.
3-Methylcholanthrene		ž	N.	N.	NR	AN.	N.	NR
Methylmethanesulfonate		NR	N.	XX.	ä	₩ K	NR	N.
2-Methylnaphthalene		NR	NR.	ž	NR	NR	N.	AN.
1-Naphthylamine		N	N.	NR	Ä	an N	N.	AN.
2-Naphthylamine		~X	NR	Ĭ	N.	NR	Ä	AN.
2-Nitroaniline		ž	NR	ž	N.	ä	N.	22
3-Nitroaniline		ž	N.	ř	ZZ.	ä	X.	A.Z.
4-Nitroaniline		ž	an an	ZZ :	N.	Z.	<del>ጀ</del> !	× !
N-Nitroso-di-n-butylamine		NR.	ZN.	ž	ž :	¥.	<u> </u>	X.
N.Nitrosopiperidiene		YK S	ž ;	ž	ž	ž	ž	NY G
Pentachiorobenzene		ž	ž	ž ž	X X	. 61%	Z .	4 A
r'entachioronitrosenzene Di controli		ž.	K 2	ž	a a	Y S	X X	¥. 2
I nenacetin 2. Produce		W. W.	N. N.	X X	ž X	. X	ž	ž
Propamide		ž	Z Z	ž	N.	N.	X.	AZ.
1 2.4 S. feirschlombenzene		Z.	a N	ž	Z Z	ž	ž	A.K.
Aloba BIC		ž	N.	Z Z	Z Z	N.	N.	N. N.
Gamma-BHC		N.	NR	NR	N.	Ä	NR	AN.
Beta-BİC		ž	NR	N.	N.	N.	N.	, KR
Heptachlor	•	NR	NR	N.	NR.	N.	X.	¥Z
Delta-BHC		ž	NR	NR	ĭ	AN.	XX	X.
Aldra		ž	AN.	ž	N.	NR.	XX.	XX.
Heptachlor Epoxide		ž	N.	N.	N.	N.	X :	¥ !
Endosulfan 1		ž	NK.	XX	ž	z i	ž	ž,
Dieldrin		ž	ZN :	Z :	ž :	ž :	ž i	ž i
4,4,100		ž	ž	ž	ž	ž	YE A	ž 2
ביים ליים		2 2	2 2	¥ \$	£ 9	2 2	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	2
Endosulian II		Ź	2 2	ž ž	ž	E S	e z	2
44.500 4.50m		2	<b>2</b>	a a	ž	Ž	ž	
Sudvention Sudices		ž	Z Z	ž	ž	N. N.	Z	ZZ.
Endon Attehate		ž ž	N.	ž	Z Z	ž	Z.	#Z
Endrin Ketone		N. N.	NR.	ž	Z	N.	NN	N.
Chlordane		XX.	NR.	ž	ž	N.	N.	NR
Methoweblor		ž	N.	ž	ž	ž	an An	×2

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Table L-13 Site 4 Surface Water Page 413

Table 1, 13 Site 4 Surface Water Page SA

				4110	Civio	SLIS DUF	1710		
	Defection	Date Sampled: Field Sample No.:	9-23-83 DANGB-4-SL11-SW-1	9-23-88 DANGB 4-SL12-SW-1	9.24.88 DANGRASI 13.5W.1	9.24.88 DANGRAST 24.94.1	9.24.88	9.24.88	9.24.88
Parameter and Analysis Method		Lab Sample No.:	88092680	88092679	88092719	88092720	88092723	88092728	MANGE 4-5 LED-5 W-1 88092722
SEMI-VOLATILE ORGANICS (EPA 625) Continued page 3	225) Continued page	. ,				,			
Aroctor-1016			ä	X.	ž	2	ž	ž	2
Aroctor-1221			~ X	N.	N.	~X	Z Z	Z	Ž
Aroclor-1232			and a	AN.	NR	NR	N.	N.	×
Aroclor-1242			N.	NR.	N.	ÄN	N	XX	ž
Arocjor-1248			NR	NR	ž	N.	NR	N.	ž
Aroclor-1254			Ä	NR	NR	ä	NR	NR	ž
Aroclor-1260			NE	N.	N.	ZZ.	N.	. KR	R.N.
2-Chlorophenol			Z.	N.	NN.	Ä.	N.	NR	NR
2-Nitrophenol			ž	AN.	ä	N.	NR	NR	ž
Phenol			ĭ	NR.	Ĭ	ž	RR	NR	N.
2,4.Dimethylphenol			ž	NR	~X	ž	N.	N.	· ·
2,4-Dichlorophenol			ž	NR.	ž	ž	N.	N.	ž
2,4,6-Trichlorophenol			≅Z	~	ž	ž	N.	NR	XX.
4-Chloro-3-methylphenol			ĭ	NR	N.	W.	XX	N.	Z
2,4-Dinitrophenol			N.	NR.	~X	ZZ.	XX	A.	£.
2,6 Dichlorophenol			¥N	N.	ž	ž	¥X	AN.	ž
2-Methyl-46-dinitrophenol			NR	NR	NR	ž	NR RR	and and and and and and and and and and	ž
Pentachlorophenol			ž	N.	ĩ	¥Z	N.	N.	ž
4-Nitrophenol			~	NR.	ž	ž	NR.	AN.	ž
Denzoic Acid			NK.	ZZ.	≅ N	N.	N.	N.	ž
2-Methylphenol			N.	N.	ž	~	. XX	ä	XX.
3&4-Methylphenol			NR	NR.	ĭ	NR	X.	AN.	AN.
2,3,4,6-Tetrachlorophenol			N	NR.	ĭ	NR.	ž	Ä	AN.
2,4,5.Trichlorophenol			ž	ZZ.	ĭ	ž	. Y	Z Z	a Z

Commenced Commenced is a supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the supplemental to the s

Table L/13 Sic 4 Surface Water Page 5B

Parameter and Analysis Method	Linit	Field Sample No.	DANGB4-SLI6-SW-1	7.02.40.11.4
Parameter and Analysis Method				DANGINIBIO
		Lab Sample No.:	88092777	88092776
SEMI-VOLATILIT ORGANICS (EPA 623) Continued page 3	25) Continued page	en Y	,	
		1		
Aroctor 1016			5	ž
Aroctor-1221			5	NR
Aroclor 1232			5	NR
Aroclor-1242			5	NR
Aroclor-1248			5	N.
Vroctor 1254			ñ	NR
Anglor 1260		•	5	NR.
2-Chorophenol			5	NR.
2.Nitiophenol			5	AN.
Phenol			5	N.
24-Dinethylphenol			5	AN.
2.4-Dichlorophenol			ñ	A'N
24,6-Trichlorephenol			5	AN.
4-Chloro-3-methylpherol			5	A.
2.4.Dinitrophenol			5	RN
2.6-Dichlorophenol			ລັ	N.
2-Methyl-4,6-Jinkrophenol			5	NR
Pentachlorophenol			5	N.
6-Nurophenol			5	A.
Benzoie Acid			5	N.
2-Methylphenol			ສ	ž
3&4-Methylphenol			5	AN.
2.3.4.6-Tetrachlorophenol			5	AZ.

Table L-13 Site 4 Surface Water Page 6A

	Method	Location/OC No.	SCII	SUIZ	SELI3	St.13 DUP	71 TS	SI 14 FM	\$1.15
	Detration	Date Sampled: Field Sample No.	9.23.8 DANGHASHJISWA	9-23-88 DANGHAST 12-5WJ	9.24.88 DANGRASI MAWA		9.24-88 , 9.24-88 PANGILLE ST. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C. 12 C.	9.24.88	9-77-6
Parameter and Analysis Method		Lab Sample No.	89012590	88092679	88002719	j	88092723	88092728	88092722
TOTAL PETROLEUM HYDROCARBONS (EPA 41R1)	Bons (Epa 418.1)								,
Data Padcage				7	€13	113	#13		<b>113</b>
Unite: mg/L	~		< 1		n	22	D	ž	D
MŒTALS (Units mg/L)									
Data Padoge			7	V	<b>113</b>	<b>713</b>	13		<b>#</b> 13
Barium (SW 6010)	07		<0.2	<02	<0.2	<0.2	<0.7	Z.	<07
Cadmium (SW 7131)	\$000		<0.005	<0.005	<0.005	<0000>	<0.005	N. N.	<0.005
Chromium (SW 7191)	100		10.6>	100>	100>	10.0>	<0.01	N. N.	<0.01
Lead (SW 7421)	\$000		<0.000	>0000	<0.005	<0.005	<0.000	A.	< 0.00.5
SPECIFIC CONDUCTANCE (FFA 173.1) Unit: mS/cm @ 25°C	(1,0		0.508	0.492	97.0	97.0	0.439	ž	0.743
TEMPERATURE (IPA 170.1) Unite ³ C			911	129	103	103	611		193
pH (GPA 150.1). Units pH Units	;		969	107	879	899		ŭ.	723

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Table (~13 Site 4 Surface Water Page 613

SLIS 5LIS 5LIS 5LIS 5LIS 5LIS 5LIS 5LIS		72	U		#2	<02 NR	NR \$0000	40.01 NR	<0.005 NR	0.583 NR	10.9 NR	6.78 NR
Location/QC No.: Date Sampled: Field Sample No.:												
Method Detection Limit	TOTAL PETROLEUM ITYDROCARBONS (EPA 418.1)	Data Package	Units mg/L	METALS (Units mg/L)	Data Package	Banum (SW 6010)	Cadmium (SV7131)	Chromium (SW 7191)	Lead (SW7421).	SPECIFIC CONDUCTANCE (EPA 120.1) Units: mS/cm @ 25°C	TTRAPERATURE (EPA 170.1) Units:°C	pii (EPA 150.1) Units ph Units

DUP Duplicate

Parkage & Numbers refer to Data Packages in Appendix M.

FB Field blank.

TB Trip blank.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample.

NR The analysis was not requested.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

I The hoking time was missed for this analysis. See Appendix N.

< Less than.

The EPA has not yet reported on a method detection limit for this parameter.

TABLE L-14

MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR SEDIMENT SAMPLES

(Results in micrograms per kilogram unless otherwise noted.)

	Detection	Date Sampkd: Field Sample No.	9-23-88 DANGB-4-SLII-SD-1	9-23-88 9-23-88 DANGIB-4-5L12-SD-1	9-24-88 DANGB-4-SLI3-SD-1	9.24.88 DANGB-4.81.26.8D-1	9.24-88 DANGB-4-SLI4-SD-1-	DANGB4.S	9-27-83 9-27-83 DANGB-4-SL16-SD-1
Farancier and Analysis Merico	Ì	Lao Sample No.	\$407.00	84072676	88072738	88092741	88092740	88092739	88092781
LATILE ORGANICS (SW 8010)								-	
Data Package			126	#26	156	<b>\$</b>	156	88	125
Benzyl Chioride	0.50		ה	ם	n ,	n	5	12	
Bis(2-chlorocthoxy)methane	80		ב	מ	• >	5		> =	,
Bis(2-chloroisopropyl)ether	SD		כ		כ	ם	) D	) D	
Bromobenzene	050		n	n	ם	D	ם ס	o. D	) I
Bromodichloromethane	0.10		ם	ם	כ	<b>5</b>	· >	) D	ο.Ξ
Вготобогт	870		ח	D	ם	ם	ם	) D	• •
Bromoethane	12		כ	D	n	כ	ם	Ď	• •
Carbon Tetrachloride	0.12		ח	ח	ב	D	ם	n	· <b>ɔ</b>
Chloracetaldehyde	50,5		ח	n	n	ם	ם	Þ	D
Chloral	20,0		ח	Ð	ם	ם	5	ם	ם
Chlorobenzene	270		ם	ב	ם	n	,	<b>n</b>	ם
Chloroethane	0.52		מ	ב	ם	ņ	ם	D	D
Chloroform	900		ב	150	14 13	738		D ,	16
1-Chlorohexanc	050		ח	ח	n	Ω	Ω	D	ם
2-Chloroethyl Vinyl Ether	0.13		ח	n	ח	n	ם	Ď	D
Chloromethane	80.0		ם	D	O	D	n	ח	D
Chloromethyl Methyl Ether	gs		ב	ם	כ	n	n	Ð	ח
Chlorotoluene	જ		ב	ב	D	n	D	ם	ח
Dibromochloremethane	60'0		ם	מ	Þ	n	D	D	ם
Dhromoethane	050		ם	Þ	Ω	n	Ω .	<b>D</b>	ם
1,2-Dichlorobenzene	0.15		ם	Ð	n ,	ם	D	Đ	Ď,
1.3-Dichlorobenzene	0.32		ם	כ	<b>D</b>	Ω	Ω	· <b>D</b> .	ח
1.4-Dichlorobenzene	, o o o		ח	Ð	ב	Ω	ο .	<b>.</b>	n
Dichlorodifluoromethane	81·		D	ם		n	n	ם	ם
1,1-Dichloroethane	0.07		ם	Đ	D	n	n	D	ב
1,2-Dichloroethane	600		ם	ב	<b>D</b>	ָם	Ð	D	Ď
1,1-Dichlorocthene	0.13		ח	ם	ם	ח	כ	Đ	P
Trans-1,2-Dichloroethene	0.10		ם	מ	D	מ	n	n	D
Dichloromethane	0.25		109	27 B	4613	62 B	30 B	40 33	808
1,2-Dichloropropane	800		כ	Ð	מ	n	Ω	<b>D</b>	ם
1.3-Dichtoropropytene	¥.0		ח	ם	ם	ם	Ω	<b>.</b>	D
1,1,2,2 Tetrachloroethane	900		ח	n	ם	n	ם	ח	ם
1,1,1,2.Tetrachloroethane	0.50		מ	n	n	Ω	D	D	n
Tetra ploroethene	0.03		ח	ח	n	ņ	ח	Ď	ם
1,1,1. Trichloroethane	0.03		ח	n	D	ם	כ	Ð	ם
1,1,2.Trichlorocthane	000		ח	n	D	ם	D	ם	n
Trichloroethene	0.12		ח	n	۵.	ח	ם	Ω	D
Trichlorofluoromethane	850		ם	D	<b>a</b>	n	n	D	ם
Trichloropropane	050		ם	<b>5</b>	ם	ņ	<b>D</b>	כ	כ

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	Method		SEII	SL12		SL13 DUP	SL14	SLIS	SLI6
	Detection		88-12-6				88-12-6	88:12:40	is a down
Parameter and Analysis Method	Limit	Field Sample No.: DANGIS-4-SLI	DANGE-4-51,11-5D-1 R892675	MANGIL4-SL12-SD-1 8902676	PANGB4-5L13-5D-1 88092738	8807741	DANGB-4-5E14-5D-1 88092740	88092739	1
AROXIATIC VOLATILE ORGANICS (SW 8020)	NICS (SW 802	3)				•			
Data Pedoge			\$26	126	#26	156	\$\$	#28	425
Benzene	ó	ä	210	n	ם	Ď	D	23	D
Chlorobenzene	Ö	9	D	ם	ם	ם	n	<b>.</b>	ם
1,2.Dichlorotenzene	Ö	3	Đ	ם	ח	D	O ,	D	D
1.3-Dichlorobenzene	ö	3	ם	n	ם	ם	ח	<b>D</b>	ם
1.4-D':hlorobenzene	ó	ē.	כ	n	n	n	D	Ð	ם
Ethyl Benzene	ó	4	828	001	44000	\$5000	Ω	ח	Ð
Toluene	ó	0.2	626	300	\$4000	26000	ח	. 55	D
	•		Ş	2000	000000	350000	-	38	=

Table [L]14 Site 4 - Sediment Page 3

	Method		SUII	SL12	SUI	SLI3 DUP	SL14	SLIS	SĹ16
	Detection	Date Sampled:	9.23-88	9.23 88	9-24-88	9-24-88	9.24.88	9.24.88	9.27-88
Parameter and Analysis Method	Limit	Limit Field Sample No.: Lab Sample No.:	DANGB4-SI,11-SD-1 8802675	DANGB4-SL12-SD-1 8802576	DANGB-4-SL13-SD-1 88022738	DANGB-4-SL26-SD-1 88092741	DANGB-4-SL14-SD-1	DANGB4-SLI5-SD-1	DANGB-4-SL16-SD-1
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	RBONS (EPA	418.1)				,			
Data Package			126	<b>6</b> 26	1.56		\$\$	8	#25
Unitr: mg/kg	8		210	1(00	7000	12000	061	040	91
MOISTURE									
Data Package			125	\$ 26	156	88	\$56	\$\$	\$2
Units: Weight Percent			21.4	13.0	32.6	27.2	33.2	ĘW	56.2 •
MITTALS (Unite: mg/kg)									
Data Package			#26	126	#36	\$\$	456	\$\$#	*25
Barium (SW 6010)	70		. 57.8	. 42.1	623	83.7	48.0	74.1	<b>SI</b>
Cadmium (SW 7131)	0.005		ly'0 >	13	< 0.80	< 1.1	< 0.82	97 >	< 0.78
Chromium (SW 7191)	0.01		N 691	8.7 N	15.6SN	15.1	N 6.2	34	213
Lead (SW 7421)	0000		6.1	13.8	851	149	129	7,1	ò

DUP Duplicate.

By actage # Numbers refer to Data Pactages in Appendix M.

B For organic analyses, the parameter was detected in the lattoratory blank as well as the sample. For metal analyses, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Limit.

N For metals the percentage recovery of the spiked sample was not within the control limits.

NT Not tested.

S For metals the reported value was determined by the method of standard additions.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

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TABLE L-15

SITE 4
MINNESOTA AIR NATIONAL GUARD BASE
DULUTH, MINNESOTA
SUMMARY OF CHEMICAL ANANLYSES FOR SOIL SAMPLES

(Results in micrograms per kilogram unless noted otherwise.)

Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Sample Develop(D)   Samp		Method	Postion (OC No.	MANALGE	WW)Lees	WW71.692 DITE	MW11.cea	135 66/00/1	C35 (C/R) V	1,11,22,669	133 64701
Table State Particle   Particle State Particle   Particle State Particle   Particle State Particle   Particle State Particle   Particle State Particle   Particle State Particle   Particle State Particle   Particle State Particle   Particle State Particle   Particle State Particle   Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Particle State Partic		Detection	Sample Denth (n):		200	100000000000000000000000000000000000000	18.10		755-771111	CC-771111	
Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate   Participate		Limit	Sample Date:	8-20-88	8-20-88	8-20-88	8-20-88	8-20-88		808	88.61-8
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Dunity Classifies         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45         45	HAT OGENATED VOLATILE OF	BGANICS (S)	W. 8010)								
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Michaelese)perione					·	Ç :	7	G	Ç. :	<b>?</b> :	**************************************
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Demonstrations	Dis(2-chloroisopropy1)ether	20		5	5	<b>a</b>	<b>5</b>	ב	ם	<b>5</b>	ח
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Demonstrate	Bromodichloromethane	0.10		ם	כ	2	מ	מ	n	ם	ב
Decreamentation   12	Bromoform	070		ָב	כ	n	D	•	n	ם	Ω
Chanelabyide         80 1         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Bromoethane	7		, >	כ	ם	ם	ח	n	ח	ח
Chilometablyole         30         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Carbon Tetrachloride	0.12		מ	ח	ם	ב	מ	n	ם	ס
Chockedset         53.6         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         <	Chloracetaldehyde	200		ס	כ	ח	ח	n	מ	ס	ר
Chickeentanee         6.25         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Chloral	80.0		ח	ם	n	ם	n	ם	מ	Ò
Characteristics         6.2         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U		0.25		ם	ם	ח	ח	Ω	D	כ	כ
Chalcebrane         455         455         45         1         1         0.55           Chalcebrane         455         45         4         1         1         0.55           2 chicorentify Ving Eher         435         9         1         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		0.52		ם	5	n	n	Ω	n	ם	2
1-Cabotrobaseme         6.50         0.40         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0		20.05		ב	n	ח	ח	n	11	950	2
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		0.50		Þ	D	ח	Ω	Ω	D	ם	Ω
0.05	2-Chloroethyl Vinyl Ether	0.13		ם	ם	D	ח	ח	מ	ດ	כ
5.5	Chloromethane	80.0		ח	n	n	ח	ם	<b>a</b>	D	מ
0.55 0.15 0.15 0.15 0.15 0.15 0.15 0.15	Chloromethyl Methyl Ether	50		מ	D	ח	מ	Ω	n	ם	ח
0.00 0.15 0.15 0.15 0.15 0.15 0.15 0.15	Chlorotoluene	050		ב	n	Ω	n	n	D	ם	O
0.55 0.15 0.15 0.15 0.15 0.15 0.15 0.15	Dibromochloromethane	600		D	5	מ	₽ P	ם	D	<b>5</b>	Þ
0.15 0.22 0.24 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	Dibromemethane	0.50		D	ם	ח	n	Ω	ם	ם	ח
0.22 U U U U U U U U U U U U U U U U U U	1,2-Dichlorobenzene	0.15		Þ	ב	2	Ď	<b>&gt;</b>	n n	ם	כ
0.24 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	1.3-Dichlorobenzene	032		ם	Ω	n	Ω	n	<b>.</b>	ם	מ
1.8	1,4-Dichlorobenzene	021		מ	D	מ	ם	מ	ח	D .	ח
0.03 0.03 0.03 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	Dichlorodifluoromethane	8.1		ם	ח	ב	ח	מ	ח	ם •	<b>D</b>
0.03 U U U U U U U U U U U U U U U U U U U	1,1-Dichloroethane	0.07		ב	ם	n	Ω	n	ם	ב כ	<b>D</b> :
0.13	1,2-Dichloroethane	0.03		Þ	Ω	<b>P</b>	ם	ח	<b>D</b>	<b>)</b>	: ס
6 0.25 6.7B 3.5B 2.7B 2.8B 17B 4.6B 6.0B 6.0B 6.0B 6.0B 6.0B 6.0B 6.0B 6	1,1-Dichloroethene	0.13		<b>:</b>	<b>:</b>	<b>5</b> ;	<b>:</b>	<b>:</b>		<b>&gt;</b> :	<b>-</b>
0.25 0.78 0.78 0.08 0.08 0.08 0.08 0.08 0.08	I rans-1,2-Dichloroethche	0.10		ָרָ נְי	) }		0 5	9	,		2
0.34 0.03 0.03 0.03 0.03 0.03 0.03 0.03	Dichloromethane	a :		87.7°	1100	# /7	2.8 13	97	4.0 13	80.00 11	0.4 15
0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03	1,2 Commonopropane	3 6		<b>:</b>	· :	· :	• :	- :	> =		-
0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03	i 3-Dienloropropyene	<b>3</b> 1		<b>&gt;</b> :	<b>&gt;</b> :	> :	<b>.</b>	<b>:</b>	o :	· :	<b>.</b>
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0.02 U U U U U U U U U U U U U U U U U U U	1.1,1-Trichloroethane	0.03		D	⊃.	D	ם	ם	Þ	Ş	<b>&gt;</b> :
0.12 U U U U U U U U U U U U U U U U U U U	1,1,2.Trichloroethane	0.02		ח	ב	ם	<b>D</b>	2	ם	ם	n ·
0.50 U U U U U U U U U U U U U U U U U U U	Trichloroethene	0.12		ח	Ω	ם	<b>¬</b>	<b>D</b>	ם	ב	<b>=</b>
0.59 U U U U U U U U U U U U U U U U U U U	Trichlorofluoromethane	0.50		D	D	D	ח	n	Ω	2	D
0.18 U U U U U U	Trichloropropane	0.59		כ	n	>	ח	ח	כ	9	>
	Vinyl Chloride	0.18		<b>-</b>	2	Ð	n	ב	ם	D	<b>a</b>

f-samesans f [milestors] E-wither-thanks of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of Friendlesses - Indicates SHELLER CO. - All Charges home to from the property of the second

Table L.15 Site 4 · Soil Page 1B

	Total Park	Total of the second	255-74 IN	CONTRACTOR IN	TOO WILLIAM	N ICC. PANIN	I VI ICC-PO MIN	100.00	,
	Detection	Sample Depth, (ft):	68	30-31	5	0.5	0-5	Z	32:34
	Ľď	Sample Date: Field Sample No.	8-19-88 DANGB-4-MW23-SS2	8-19-88 DANGB4-MW23-SS3	8-24-88 DANGB-4-MW24-SSI	8-31-88 DANGB-4-MW24-SSI	8-31-88 8-31-88 DANGB4-MW24-SSIA	8-24-88 DANGB-4-MW24-SS2	8-24-88 DANGB-4-MW24-SS3
Parameter and Analysis Method		Lab Sample No.:	10028088	- 1	,	83092254	88092255	88082100	88082101
IALCGENATED VOLATILE ORGANICS (SW 8010)	SANICS (SV	W 8010)				*			*
Data Package			6+4	£49	8.	# 48	448	\$50	8.
Benzyl Chloride	0,50		b	ח	7	ם	ס	ב	מ
Bis (2-chloroothoxy) methane	5.0		ח	5	n	D	D	מ	· D
Bis(2-chloroisopropyt)ether	5.0		ח	n	<b>n</b>	ם	ם	כ	ر
Bromobenzene	050		D	2	ח	D	כ	ב	_
Bromodichloromethane	0.10		מ	ס	ם	ב	ם	ם	_
Dromoform	0,20		n	ר	ם	ם	D	5	ž
Bromoethane	17		מ	ם	ם	n	ח	ם	_
Carbon Tetrachloride	0.12		מ	כ	n	D	ח	ב	
Chloracetaldehyde	200		Ω	u	n	ם	ο.	ם	_
Chloral	80.0		ם	ח	D	ם	n	D	_
Chlorobenzene	0.25		מ	Ω	ח	Ω	כ	ם	_
Chloroethane	0.52		ם	ם	n	ם	<b>D</b>	ם	_
Chloroform	0.05		0,40 13	0.08 13	Ω	ח	2	Ω	Ð
1-Chlorobexane	050		מ	n	n	n	Ð	ח	Ð
2-Chloroethyl Vinyl Ether	0.13		ח	ם	ח	D	מ	ם	<b>D</b>
Chloromethane	80.0		ם	ח	ב	D	n	n	_
Chloromethyl Methyl Ether	20		D	n	כ	ם	ם	D	_
Chiorotofuene	050		מ	2	a	D	Ω.	D	-
Dibromochloromethane	600		n	ח	D	n	מ	ב	
Deromomethane	જ		D	ח	n	ם	מ	ם	_
1.2.Dichlorobenzene	0.15		<b>a</b>	n	ח	D	n	כ	_
1.3-Dichlorobenzene	032		Þ	כ	ח	ם	ם	Þ	
1,4-Dichlorobenzene	0.24		ב	n	ם	כ	ב	ה	2
Dichlorodifluoromethane	1.8		<b>D</b> .	ב	ב	n	D.	D	٠
I,I-Dichloroethane	002		ח	D	<b>D</b>	ח	<b>5</b>	ח	_
1.2-Dichloroethane	900		מ	ם	ם	ב	0	ב	_
1,1-Dichloroethene	0.13		כ	a	ם	Ω	n	<b>D</b>	_
frans-1,2-Dichloroethene	0.10		a ,	n	D	Ω		n	Þ
Dichloromethane	220		32B	5.4 B	29 B	2.2 B	4.0 B	43 B	3.6 B
1.2-Dichloropropane	500		מ	n	n	ח	D	ח	D
13-Dichloropropylene	0.34 0.34		Ù	Ω	ם	Ω	n	ם	_
1,1,2,2-Tetrachloroethane	003		ח	ב	Þ	מ	ם	ב	<b>&gt;</b>
1,1,1,2 Tetrachloroethane	0.50		n	ם	D	Ω	Þ	ח	ם
Tetrachloroethene	890		ם	D	n	Ω	ם	ם	Ð
1,1,1-Trichloroethane	0.03		Ω	ם	D	D	Ω	D	ב
1,1,2-Trichlorocthane	0.02		Ω	ם	ם	Ð	D	מ	<b>a</b>
Trichloroethene	0.12		ח	ח	ח	ם	Ω	D	•
Trichlorofluoromethane	0.50		מ	ח	D	ם	ח	n	P
Trichloropropane	Ş		=	-	-	-	=	-	•
	3		>	>	2	>	>	>	5

Parameter and Analysis Method	- 1	Location/OC No: Sample Depth, (ft): Sample Date: Field Sample No.: Lab Sample No.:	MWZI-SSI 0-1 8-20-83 DANGB4-MWZI-SSI 88082046	MW21-SS2 5-7 8-20-88 DANGB 4-MW21-SS2 89082017	MW21-SS2 DUI' 5-7 8-20-88 DANGB-1-MP21-SS2 88082049	MW21-SS3 MW22-SS1 18-19 0-1 8-20-88 8-20-88 DANGB-4-MW21-SS3 DANGH-4-MW22-SS1 88082043 88082043	MW22-SS1 0-1 8-20-88 DANGIH-I-MW22-SS1 88082043	MW22-SS2 5-7 8-20-88 DANGB-4-MW22-SS2 88082044	MW22-SS2     MW22-SS3     MW23-SS1       5-7     30-31     0-1       8-20-88     8-20-88     8-19-88       DANGB-4-MW22-SS3     DANGB-4-M       \$8082044     88082045	MW23-SS1 0-1 8-19-88 ³ DANGB-4-MW 88082000
AROMATIC VOLATILE ORGANICS (SW 8020)	NICS (SW &	(020)		•		. •				
Data Package			#4S	#45	448	. #45	#4S	<b>#</b> 45	. 445	
Denzene	07		D	=	01	ם	כ	ə	ם	
Chlorobenzene	7		מ		ם	_			, D	
1,2.Dicklorobenzene	70		ם		_	_	ם	ס	ם	
1.3-Dichlorobenzene	70	`	ח	, בי י	ב	<b>D</b>	ח	7	_	
1,4-Dichlorobenzene	93		ດ	'n	_	ם -	<b>5</b>	Þ	_	
Ethyl Benzene	07		ם	כ	ב	<b>D</b>	n	ם	<b>D</b>	
Toluene	07		330	120	32	23	120	91	80	

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Table L-15 Site 4 - Soil Page 2B

AROWATIC VOLATILE ORGANICS (SW 8020)  Data Package  Benzene 0.2  Chlorybenizere 0.2  U U U U U U U U U U U U U U U U U U U	Parameter and Analyzis Method	Method Detection Limit	Location/QC No: Sample Depth. (ft): Sample Date: Frekt Sample No: Lab Sample No:	MW23-SS2 8-9 8-19-8 DANGII-4-MW23-SS2 88082001	MW23-SS3 30-31 8-19-88 DANGB4-MW23-SS3 89982002:	MW24-SS1 0-2 8-24-88 DANGB-4-MW24-SS1 89882099	MW23-SS2         MW24-SS1         MW24-SS1 R DUP         MW24-SS1 R DUP         MW24-SS1 R DUP           8-19-88         9-31         0-2         0-2         3-4           8-19-89         8-19-88         8-31-88         8-31-88         8-31-88           4-40-85         DANGB-4-MW23-SS2         DANGB-4-MW24-SS1         DANGB-4-MW24-SS1         DANGB-4-MW24-SS1           86082001         89082002         89092254         89092255         89092100	MW24-SS1 R DUP 0-2 8-31-88 DANGB-4-MW24-SS1A 88092255	MWZ4-SS2 3-4 8-24-88 DANGB-4-MWZ4-SS2 89082100	MW24-SS3 32-34 8-24-88 DANGB4:MW24-SS3 8902101
7.02 7.02 7.03 7.04 7.49 7.40 7.40 7.40 7.41 7.41 7.41 7.41 7.41 7.41 7.41 7.41	AROMATIC VOLATILE ORGA	NICS (SW 802	Ŕ					×		-
.02 02 03 04 05 05 05 06 07 08 07 08 08 08 09 09 09 09 09 09 09 09 09 09 09 09 09	Data Package		ì	#49	449	#30	<b>4</b> 48	448	S	\$
25ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.3  26ne 0.3  26ne 0.3  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0.4  26ne 0	Benzene	.02		n	n	מ	=		=	
tene 0.4 U U U U U U U U U U U U U U U U U U U	Chlorobenzene	07		ם	5	ם מ	ם ס			
tene         0.4         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U <td>1,2.Dichlorobenzene</td> <td>0.4</td> <td></td> <td>n</td> <td>ח</td> <td>ס</td> <td>5</td> <td>•</td> <td>ם ס</td> <td></td>	1,2.Dichlorobenzene	0.4		n	ח	ס	5	•	ם ס	
250 C C C C C C C C C C C C C C C C C C C	1.3-Dichlorobenzene	0,4		ם	D	כ	ם	· >	ם ס	
02 U U U U U U U U U U U U U U U U U U U	1,4-Dichlorobenzene	03		U	⊃	מ	מ	2	מ	, ~
02 25 13 39 U U U U U U U U U U U U U U U U U U	Ethyl Benzene	0.2		ח	7	ח	Þ	· =		' –
, n n n n p	Toluene	07		\$3	13	8		, =	5	9
	Xylenes	0,4		ח	n	ם	ים	ò	<u> </u>	ξ. ]

Table L-15	Site 4 - Soil	46.17

	Method	Location/QC No:	MW21-SS1	MW21-SS2	MW21-SS2 DUP	MW21-SS3	MW22-SSI	MW22-SS2	MW22-SS3	MW23-5S1
	Detection	Sample Depth, (ft):	3	5:7	5.7	18-19		5.7	30-31	ដ
	Limit	Sample Date:	8-20-88	8-20-88	8-20-88	8-20-88	\$ .8.20.88	8-22-88	8-20-88	8-19-88
·		Field Sample No.:	DANGB4-MW21-S51	Field Sample No.: DANGB-4-MW21-SS1 DANGB-4-MW21-SS2	DANGB 4-MP21-SS2	DANGB-4-MP21-SS2 DANGB-4-MW21-SS3	DANGB-4-M	DANGB-4-MV	DANGB4-MW22-SS3	DANGBAM
Parameter and Analysis Method		Lab Sample No.:	88082046	88082047	88082049	88082048	. 880R2043	88082044	88082045	88082000
PESTICIDES AND PCB's (SW 8080)	(Q)									
Data Package			145	#45	<b>#</b> 45	#45	.#4S	#45	#45	
Aldrin	50.0		ñ	ñ	5	ភ	ភ	ົດ	ລ	AN
Alpha-BHC	50.0		5	5	55	ö	5	Ď	5	Ä.
Beta-BHC	50.0		ñ	5	ä	5	ñ	ī	ສ	
Delta-BHC	50.0		ñ	ñ	5	5	5	5	5	N.
Gamma-BHC	0.05		in	ັກ	5	ī	5	5	ສ	N.
Chlordane	0.5		5	ສ	ລ	ົລ	ñ	5	ສັ	N.
4,4.DDD	0,10		5	ñ	ລ	īn	55	5	ສ	AN.
4.4'-DDE	0.10		ñ	ñ	5	5	ñ	Ď	5	an RN
4.4.DDT	0.10		19	ñ	ñ	5	ī	ñ	ñ	N.
Dieldrin	0.10		ä	5	5	5	n .	5	ö	Äκ
Endosullan I	50.0		ລ	i	5	5	ñ	5	ລັ	N.
Endosulfan II	0.10		5	ñ	5	5	5	Ď	ສັ	N.
Endosulfan Sulfate	0.10		ň ,	, ,	ă	5	5	5	ລ	A.K
Endrin	0.10		5	ñ	5	5	5	5	5	N.
Heptachlor	50.0		5	5	ñ	ö	ö	5	5	N.
Heptachlor Epoxide	20.0		ij	ñ	'n	in	5	5	ວັ	<b>X</b>
Methoxychlor	10		5	5	5	5	5	5	5	XX.
Toxaphene	0.5		5	5	5	ົລ	5	5	5	ä
) PCB-1016	0.5		5	in	õ	ā	5	5	చే	AN.
PCII-1221	0.5		5	ລັ	5	5	5	5	5	N.
PCB-1232	50		5	5	ñ	ລ	Š	5	ñ	A.
PCB-1242	50		ñ	5	Ğ,	5	ä	5	5	NR
PCB-1248	1.0		5	ສ	5	ā	5	5	ñ	XX
PCB-1254	1.0		*5	ភ	in	à	à	5	5	X.
PCB-1260	1.0		5	5	5	ភ	5	5	5	a X

		=	•																												
Parattine.																															
f. attached by g	}	SS3	32.34	1W24-SS3 88082101			Ä	Z.	ž	NR	N.R.	X.R	XX.	N.	N.R.	N.	NR	XX XX	ZN.	XX	XX X	NR R	N.R.	Ä	NN NN	'nĸ	KK.	ZZ.	NR	NR	X.
Foreignie: 9		MW24-SS3	6	DANGB-4-MW24-SS3 88082101																											
- Posterior I		MW24-SS2	34	- 1			NR	NR	N.	NR.	Z.	NR	N.	XX XX	ž	NN NN	N.	N.	X.	X.	X X	N.	XX	N.	NR	NR	N.	N.	NR	NR	AZ.
Andrews and				- 1										۔																	
From spinore &		MW24.SS1 R DUP	0.2 8.31.83	DANGB4:MW24.SSI DANGB4:MW24.SSIA 88002254 8802255			ZZ.	ž	Ä.	¥Z	Ä	₩ X	ž	ž	ž	¥N.	ž	Ä	Ŕ	¥	ž	ž	ž	ž	ž	Ä.	NR	ΞN.	ž	ž	XX
Processing of		MW24-SS1 R	0.2	1W24-SS1 DA 88002254			ž	Z Z	X X	ž	N.	Z.	N.	Z Z	ž	z Z	N.	Z Z	N.	Z Z	Z.	N.	ž	Z Z	N.	N.	Ä	Z Z	N.	NR	ž
(many control		W		DANGB4.N																											
the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the S		MW24.SSI	0.2	DANGB 4-MW24-SS1 88082099			N.	Ä	ĩ	N.	ž	N.	ž	ž	Ä	ž	NN N	Ä	ĩ	ž	~XX	ä	ž	N.	ž	χ.	NR	ä	N.	ă	N.
		23	30-31 -19-88				NR.	ĭ	ž	NR	ZZ.	ž	ž,	ĕ	ZN.	ZN.	NR.	ž	ž	ž	ž	Z.	ž	ž	ZK ZK	ZN.	N.	ZN.	ZZ.	~X	ZZ.
Principal Contents of		MW23-SS3	30-31	DANGII-4-MW23-SS3 88082002																											,
Access and the second		MW23-552	8.10.88				Z Z	z z	NR	z z	NN NR	an an	NR	N.	ä	ž	ZN.	X.	NR	ž	ž	ZZ.	Ä	ä	AN.	Z.	ž	N.	ž	ž	NR
A Charles				- 1																						•					
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		Location/QC No:	Sample Depth, (ft): Sample Date:	Field Sample No.																											
S. and Section 2.			Detection :			-	0.05	0.05	50,0	9,05	0,05	٥,	0.10	.D.10	0.10	0.10	50.0	0.10	0.10	0.10	50.0	SO.0	1.0	20	50	20	20	20	0.1	10	1.0
for which			-		3's (SW 8090)																						,				
James ( James )	5.50il			Parameter and Analysis Method	PESTICIDES AND PCB's (SW 809)	Data Package		BIIC	IIC	3HC	Gamma-BHC	anc.	Ω	36	Ŧ	'e	ulfan I	II uejii	Endosulfan Sulfate		hlor	leptachlor Epoxide	rychtor	enc	910	ផ្ដ	32	742	748	ጟ	092
1	Table L.15 Site 4 - Soil Page 3B			Param	PESTI	Data P.	Aldrin	Alpha-BHC	Beta-BHC	Delta-BHC	Camme Camme	Chlordane	44.DDD	4,4*-DDE	4A'-DDT	Dieldrin	Endosulfan I	Endosulfan II	Endosu	Fodrin	Heptachlor	_	Methorychlor	Toxaphene	PCB-1016	PCB:1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260
1																					Ţ	<i>-2</i>	23	9							

21.7	4-Soil	د ۱۰ م
â	Sile 4	Page 4A

	Method Detection Limit	Location/QC No: Sample Depth, (tt): Sample Date:	MW21-SSI 0-1	MW21-5S2 5:7	MW21-SŞ2 DIJP 5-7	MW	MW22-SSI 0-1	MW22-SS2 5-7	MW22-ŠS3	MW23-5SSI
Parameter and Analysis Method		Field Sample Noz. DANGB-4-MW21-551 DANGB-4-1 Lab Sample Noz. 82082046	ANGB-4-MW21-SS1 83082046	DANGB-4-MW21-5S2 88082047	6-20-88 DANGB-4-MP21-SS2 88082049	E-20-88 DANGB-4-MP21-SS2 DANGB-4-MW21-SS3 88082049 89082048	8-20-83 DANGB-4-MW22-SS1 88087013.	R-20-88 BANGB-4-MW22-SS1 'DANGB-4-MW22-SS2 88082013, 88082014	8-20-88 DANGB-4-MW22-SS3	8-19-88 DANGB4-MW23:SSI
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	'ARBONS (E	PA 418.1)								
Data Package		•	145	1.45	145		\$45	248	377	,
Unite; mg/kg	8	,	×100	<100	× 100	01>	530	001 ×	370	370
MOISTURE										
Data Package			645	\$r.1	145	145	SF	567	207	•
Units: Weight Percent			211	19.3	19.2	7.2	736	21.8	201	7.11
METALS (Units mg/kg)										
Data Package			\$18	145	1.45	# 45	848	145	377	9
'Barium (SW 6010)			583	.809	• 0.10	49.1	91.7	* * * * *	- CE	
Cadmium (SW 7131)			N. 8'01	N • 601	10.4 · N	N • 10.7	0.32 R	2.61	7.00	CIC X
Chromiym (SW 7191)			30.1	33.1	343	39.4	0.11	876	איין אַ	N - 0.0I
Lead (SW 7421)		,	5,4 •	73.8	3.8	3.2	8 • \$9	\$65	29.	6.2 0.2.0

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Table L.15 Site 4 - Soil Page 413

Detection Limit	Method Location/OC No: Detection Sample Depth, (ft): Limit Sample Date: Field Sample Noz. DANGB. Lab Sample Noz.	MW23-SS2 8-9 8-19-88 DANGB4-MW23-SS2 89082001	## ## ## ## ## ## ## ## ## ## ## ## ##		MW24-SS1 MW24-SS1 R MW24-SS1 R DUF MW24-SS2 MW24-SS3 P 0-2 0-2 0-2 3-4 32-34 32-34 32-34 32-34 8-21-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-88 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89 8-31-89	MW24-SSI R DUF - 0-2 - 8-31-88 ANGB-4-MW24-SSIA	MW24.SS2 34 8-24.88 DANGB4-MW24.SS2	MW24.SS3 32.34 8-24-88 DANGB4-MW24.SS3
TOTAL PERIOLEUM HYDROCARBONS (EPA 418.1)	S (EPA 418.1)					007777000	00178068	88082101
Data Package		<b>#</b> 49	#49	150	, see .	87	Ş	Š
Units: mg/L 100		<100	<100	150	ıs	, x	001 >	8 8
MOISTURE								•
Data Packuge		614	4.19	7.50	448	4.18	\$	•
Units: Weight Percent		16.1	12.3	12.8	9.6	8.8	14.7	8° 8
MITALS (Units mg/kg)								
Data Package		674	<b>€</b> 49	150	148	488	9	\$
Barium (SW 6010)		51.4	27.9	64	12,7	81.1	707	0.74
Cadmium (SW 7131)		85.N	N . 8'6	NYII	N 08	N 1.21	Z & &	NSII
Circination (5 W 7191)		23.7	20,4	326	27.3	49.7	25.6	493
1740 (3W (44))		277	2.6 N	N 79	0.5	`		

DUP Duplicate

Data Package # Numbers refer to Data Packages in Appendix M.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit.

N For metals the percentage recovery of the spiked sample was not within the control limits.

NR The analysis was not requested.

S For metals the reported value was determined by the method of standard additions.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

• Duplicate not within control limits.

• The holding time was missed for this analysis. See Appendix N.

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TABLE L-16

SUMMARY OF CHEMICAL ANALYSES FOR GROUND-WATER SAMPLES MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA

(Results in micrograms per liter unless otherwise noted.)

Method		MW8		MW o FEB	MW 10	MW II	GW 4-A	GW 4-13
Detection	Date Sampled: Field Sample No.	9-13-88 DANGB4-MW8-GW-1	9-12-88 DANGB-4-MW9-GW-1	9-12-88 DANGB-FIBS DANGI	9-14-88 B-4-MW10-GW-1 DAN	9.14.88 4GB-4-MW11-GW-1 DA	9-12-88 9-12-88 9-14-83 9-14-83 9-14-88 9-12-88 DANGE-FIB: DANGE-FIMIO-GW-1 DANGE-4-MWILGW-1 DANGE-4-GW-1-GW-1-GW-1-GW-1-GW-1-GW-1-GW-1-GW	9-12-88 4GB-4-GW4B-GW-1
Parameter and Analysis Method	Lab Sample No.	88072390	88092348	88092353	88092422	88002424	88072388	C1/26088
HALOGENATED VOLATILE ORGANICS (SW 8010)	W 8010)			2				•
Dais Package			<b>\$</b> 44	# 44	#20°	\$20	<b>#</b> 36	144
Benzyl Chloride 0.50		D	ב	ח	ח	D	D	
Bis(2-chloroethoxy)methane 5.0		<b>&gt;</b>	ב	ם	2	Ω	n	<b>ر</b> و.`
		D	ם	D	D	. 🗅	- <b>D</b>	ח
Bromobenzene 0.50		ב	<b>D</b>	Đ	ב	ח	n	ח
methane		5	Ð	Ð	Ď	ח	2	2
		n	מ	D	ם	ם	Ð	n
Bromoethane 1.2		n	ם	D.	ם	D	D	n
floride		D	כ	ລຸ	ב	n	Þ	ם
Chloracetaldehyde 50.0		Ω	Þ	Þ	Þ	D .	D	Þ
		n	Ð	Þ	Ď -	Ω	ח	Ċ
Chlorobenzene 0.25		n ,	ם	D	ם	Ω	Ö	a
Chloroethane 0.52		Ω	ב	ם	ח	מ	ລ	D
		D	Ð	15	ם	Ð	, ב	ם
1-Chlorohexane 0.50		D	D	<b>D</b>	n	n ,	D.	ם
inyl Ether		ם	Ð	D	ם	ב	Ω	מ
-		ב	מ	D	<b>D</b> \	ח	Φ.	Ω
Methyl Ether		n	D	, n	ā	n	ח	ב
		ם	n	ם	ם	n	n	ב
nethane		ם	Þ	<b>D</b> .	ם	n	ם	Þ
		D	ם	<b>.</b>	>	Þ	ם	D.
		D	Þ	n	ם	, D	<b>ɔ</b> .	<b>&gt;</b>
		ח	n	n	ח	ב	<b>n</b>	
		ם	n	n	ם	ח	Þ	Þ
thanc		ב	D	n	ם	ר	Ð	<b>D</b>
		מ	Þ	ח	<b>&gt;</b>	n	D	n
		ח	<b>D</b>	Ω	ם	n	Þ	<b>a</b>
		Ω	n	>	>	ņ	D	<b>&gt;</b>
xthene		ם	n	ח	a	<b>&gt;</b>	<b>-</b>	ο.
		81 L9'0	0.37 B	2.1 13	8 FOO.	0.37 B	031 B	0.50 B
		2	ם	n	D	Ð,	n	2
1.3-Dichloropropylene 0.34		ם	ם	ם	2	n	Ð	2
1,1,2,2-Tetrachlorocthane -0.03		מ	<b>5</b>	ח	n	ם	D	ח
1.1,1,2.Tetrachlomethane 0.50		מ	ສ	n	ສ.	בי	ח	<b>D</b>
Tetrachloroethene 0.03		U,	כ	ח	. 3	Ď	D	•
1,1,1-Trichloroethane 0.03		n	Ð	Ω	Ω	n	Ω	ח
1,1,2-Trichloroethane 0.02		ם	ם	ם	>	Ò	ם	<b>&gt;</b>
Trichloroethen: 0.12		Ω	ם	n	n	n	Ġ	<b>ה</b>
Trichlorofluoromethane 0.50		ດ	ລ	2	Ω	2	D	2
Trichloropropane 0.50		n	מ	ם	ח	D	D	<b>¬</b>

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Table L-16 Site 4 - Ground Water Page 1C

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Time   Date Sampled:   9-10-88	9-10-88 PANGB4-MW24-GW1 8890322 U U U U U U U U U U U U U U U U U U	9-12-88 DANGG-TIM 88892351 U U U U U U U U U U U U U U U U U U U	9-13-88 DANGGE-1716 88092391 U U U U U U U U U U U U U U U U U U U	9-12-88 DANGB-BR4 8800339	9-12-88 DANGB-BIS 8800255 U U U U U U U U U U U U U U U U U U
Limit   Field Sample No.   DANGII-4-MW22-GW-1 DANGII-4-MW24-   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R800212   R8002112   R8002112   R8002112   R8002112   R8002112   R800212   R8002112   R8002112   R8002112   R8002112   R8002112   R800212   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R800212   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002112   R8002	88003322 88003322 133 133 10 10 10 10 10 10 10 10 10 10 10 10 10	28802255 88002255 U U U U U U U U U U U U U U U U U U	8802291 8802291 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.000000000000000000000000000000000000	8800333 8003334 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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	Method Detection	Well/QC No.: Date Sampled:	MW 8 . 9-13-88	MW9 9-12-88	MW9 FB 9-12-88	MW 10 9-14-88	MW 11 9-14-88	GW 4-A 9-13-88	GW 4.B
Parameter and Analysis Method	Limit	Field Sample No.: Lab Sample No.:	Field Sample No.: DANGB-4-MW8-GW-1 Lab Sample No.: 88092390	DANGB-4-MW9-GW-1 88092348	DANGĄ-FIJ8 DANGI 8892353	DANGB-FB8 DANGB-4-MW10-GW-1 DANGB- 88092353 8809242	4 I	-MWII-GW-I DANGB-4-GW-4 DANGB-4-GW4B-GW-1 8802213 8802213 8802238 880224	3-4;GW4B-GW-1 88092349
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Toluene	0.2		ם	ם	Ş	· >	· >		) <b>=</b>
Total Xylenes	8		5	2.7	ם	=	· =	), <u>=</u>	

Parameter and Analysis Method	Method Detection Limit	Well/QC No.: GW4-C GW4-C DA 4-C DUP  Date Sampled: 9-12-88 Field Sample No.: DANGB-4-GW4C-GW-1 DANGB-4-MW52-GW-1  Lab Sample No.: R8092519	GW 4-C 9-12-88 -GW4C-GW-1 D 88002509	GW 4-C DUP 9-12-88 NANGII-4-MW52-GW-1 88992510	GW 4-C FB 9-12-88 DANGB-FB7 DANGB 8902352	GW 4-D 9-13-88 -4-GW4D-GW-1	MW21 9-10-88 DANGB-4-MW21-GW-1	DANGB4-MW	MW22 FB 9-10-88 DANGB-FB6
AROMATIC VOLATILE ORGAŅIĆS (SW 8020)	ICS (SW ROZO	(	!				1777/000	88072325	88092328
Data Package			121	57	•	;			
Renzena	;				\$ . h	<b>#</b> 36	133	#33	199
	70		11	-	•				3
Chlorobenzene	0.2		-	) ;	>	<b>3</b>	22	ב	-
1,2-Dichlorobenzene	ì		<b>:</b>	<b>5</b>	D	ב	מ	=	> :
13-Dichlorobenzene			<b>&gt;</b> ;	<b>-</b>	ם	כ	•	) =	<b>:</b>
1,4-Dichlorobenzene	5		<b>:</b>	<b>D</b>	n	n	כי	=	<b>&gt;</b> :
Ethyl Benzené	07		<b>&gt;</b> :	<b>ɔ</b> :	ם	ם	ח	) =	<b>&gt;</b> =
Toluene	07		) :	<b>:</b>	>	ם	n	) <b>&gt;</b>	οź
Total Xylenes	0,4		> =	<b>&gt;</b> :	<b>&gt;</b> :	ב	ח	n	

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Parameter and Analysis Method	Method Detection Limit	Weil/OC No.: MW23 MW23 MW24  Date Sampled: 9-10-88 9-10-88  Field Sample No.: DANGIJ-4-MW23-GW-1 DANGIJ-4-MW24-GW-1  Lab Sample No.: 88072312 88072312	MW23 9-10-88 3-GW-1 DANGB-4-MW24 8802312 88	MW24 9-10-88 24-GW-1 88092322	TB1 9-12-88 DANGB-TB4 8802231	TB2 9-13-88 DANGB-TJ6 88092391	BR1 9-12-88 DANGB-BR4 8802330	11R2 9-12-88 · DANGB-11R5
AROMATIC VOLATILE ORGANICS (SW 8020)	VICS (SW 8020)	`						577 (75)
Data Package			134	133	77	£3	644	7.7
Benzene	07		11	:	1	; ;		
Chlorobenzene	07		, =	>:	<b>&gt;</b> :	<b>-</b>	<b>&gt;</b>	Ð
12-Dichlorobenzene	! 2		<b>&gt;</b> :	<b>&gt;</b> :	<b>-</b>	Þ	ם	ם
1.3-Dichlorobenzene	, FO		<b>-</b> :	<b>&gt;</b> :	ב כ	n	Э	D
1,4-Dichlorobenzene	63		<b>&gt;</b> =	<b>-</b> :	<b>&gt;</b> :	Þ	ֹם	ם
Ethyl Benzene	70	1	<b>=</b>	<b>-</b> -	⊃:	;. <b>د</b>	D	Þ
Toluene	07		· =	) =	<b>-</b> :	<b>;</b>	<b>D</b> :	<b>¬</b>
Total Nylenes	3		: 5	) <b>5</b>	> =	ם כ	<b>&gt;</b> :	e i

Table L-16 Site 4 - Ground Water Page 3A

Parameter and Analysis Method	Method Detection Limit	Well/OC Noz Date Sampled: Field Sample Noz Lab Sample Noz	Well/OC No.         MW 8         MW 9           Date Sampled:         9.13-88         9.12-88           Field Sample No.         DANGB-4-MWB-GW-1         DANGB-4-MWP-GW-1           Lab Sample No.         88092399/88092390         8809248	MW 9 9-12-88 DANGB-4-MW9-GW-1 880023-18	MW 9 FB 9-12-88 DANGII-FBB DANGII- 8802333	MW 10 9-14-88 4-MW10-GW-1 DAN	MW 11 9-14-88 IGB-4-MWI-GW-1 DAN	MW9 FB MW 10 MW 11 GW 4-A GW 4-B 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-88 9-12-	GW 4-B 9-12-88 NGB-4-GW4B-GW-1
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	'ARBONS (EP.	A 418.1)					7777600	88072388	88092349
Data Package			#12 and #36	<b>7</b> 44		828	88	žč	:
Units mg/L	<u>21</u>		Ω	< 15	X.	ח	<u>ב</u>	3.24	ş .
METALS (Units: mg/L)								į	?
Data Package Barium (SW 2010)			. \$36	*		<b>*</b> 20	\$30	<b>*</b> 38	44
Cadmium (SW 7131) Chromium (SW 7191) Lead (SW 7421)			<0.05 <0.001 W <0.002 W	0.002 B W 0.0025 B W < 0.002	ž ž ž	<0.05 <0.001 0.0022	<0.05 <0.001 <0.002	0.17 B <0.001 0.0039 S B	0.003 0.0031 B 0.0022 B
					NK	<0.005	< 0.005	<0.00×	<0.005
SPECIFIC CONDUCTANCE (EFA 120.1) Units: mS/cm @ 25°C	(120.1)		G750	1.037	ĸ	0.521	0.874		8
TEMPERATURE (GPA 170.1) Units: ⁹ C			. 14.2	13.5	MR	17.2	11.7		
pl1 (EPA 150.1) Unite: pl1 Unite									8
			6,49	6.74	, NR	969	89	76.7	Į

-1 1.83

Table L-16 Site 4 • Ground Water Page 3B

	Method	Well/QC No.:	GW 4.7	GW 4-C DUP	GW 4-C FB	GW 4·D	MW 21	MW 22	MW 22 FB
	Detection Limit	Date Sampled: 9-124 Field Sample No.: DANGB4-GW4C-GW1 DANGB4-MW52-GW1	9.124 4.GW4C.GW-1	9-12-88 DANGII-4-MW52-GW-1	9-12-88 DANGB-1707 DANG	9-13-88 8-4-GWAD-GW-1 DAN	9-12-88 9-13-88 9-10-88 9-10-88 DANGB-1117 DANGB-4-WW2-GW-1 DANGB-4-WW2-GW-1	9-10-88 NGB 4-MW22-GW-1	9-10-88 DANGB-FB6
Parameter and Analysis Method		Lab Sample No.:	88092509	88092510	88092352	88092389	88092321	88092325	
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	CARBONS (EP	A 418.1)				•			*
Data Package			#ST	#2J		#36	/33	#33	y
Unite: mg/L	21		ם	Ð	NR	D	D	ם	NA NA
METALS (Units: mg/L)	-								
Data Package			151	15.4		<b>¥</b> 36	133	/33	
Barium (SW 6010)			<0.2	0.17 B	NR	0.17 B	N 11 90'0	N 81 11.0	ž
Cadmium (SW7131)			<0.000	100:0>	N.	<0.001	1000>	<0.00	Z
Chromium (SW 7191)			10:0>	0.0028 B	N.	0.0028 B	<0.002	0.0029 B	a z
Lcad (SW 7421)			<00.00	<0.005	NR	<0.005	<0.005	< 0.005	ZZ.
SPECIFIC CONDUCTANCE (EPA 120.1) Unite: mS/cm @ 25°C	7A 120.1)		1.559	. 1559	z X	1.407	0.922	1,653	a z
TEMPERATURE (EPA.170.1) Units: C			9.6	9,6	NR	0.6	12.1	94	X.
5 pH (EPA 150.1) Unite: pH Units	۲.		7,60	05.7	ž	848	7.01	739	ž

Table L-16 Site 4 - Ground Water Page 3C

	Detection Limit	Well/OC No.: MW23 MW24  Date Sampled: 9-10-88 9-10-88  Erd Sample No.: DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2 DANGER AMU23 CHU 2	MW23 9-10-88	MW24 9-10-88	TIII 9-12-88	TB2 9-13-88	BR1 9-12-88	BŘ2 9-12-88
Parameter and Analysis Method		Lab Sample No.:	8801212	ROB-4-MW24-UW-1 R8092322	DANGB-TEA 88092351	DANGB-1186 8802391	DANGII-IIRA R8092350	DANGB-IIPS RS923S
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	ARBONS (EP/	A 418.1)				• •	-	
Data Package			133	133			***	
Units: mg/L	1.5	*	ם	ם	ž	ĸ	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	) D
METALS (Units: mg/L)								
Data Package			131	133				,
Barium (SW 6010)	0.2		7.0				ž	131
Cadmium (SW 2131)	1 000		1.0	N CO'O	22	ez X	<0.05	<0.05
Chemium (5W 7101)	3		<0.001	100'0>	ž	ž	100'0>	<0.001
Carcinian (5 W 191)	100		0.0024 13	<0.0024 B	ä	ž	<0.002	<0.002
(3m /42l)	c00.0		< 0.005	<0.005	ž	N.	< 0.005	<0.005
SPECIFIC CONDUCTANCE (EPA 120.1) Units: mS/cm @ 25°C	(120.1)		1,638	200	. 2	ş	į	:
					1	` Y	ž	ž
TEMPERATURE (EPA 170.1) Unit: C.			12.0	8.8	ž	ž	ď.	ž
							ž	ž
pH (EPA 150.1)								
Onus: pri anus			7.78	8.8	ž	ž	ž	XX

DUP Duplicate

BR Boiler rinsate.

FB Frield blank.

TB Trip blank.

Data Package # Numbers refer to Data Packages in Appendix M.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample.

NR The analysis was not requested.

S For metals the reported value was determined by the method of standard additions.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

W The analysis spike, a spike added to the sample digestate had a percent recovery out of control limits (85-115 percent), and the sample absorbance is less than 50 percent of the spike.

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TABLE L-17 SITE 8

MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR SURFACE WATER SAMPLES (Results in micrograms per liter unless otherwise noted.)

	Detection	Date Sampled:	9.24.88	9.24.88	9-24-88	9.24.88	9-24-88
Parameter and Analysis Method	Limit	Field Sample No.:	DANGB-8-SL17-5W-1 8802721	DANGB-&-SL19-SW-1 890)2726	DANGB-FB18 R802729	DANGB-8-SL27-SW-1 880/2727	DANGIB-TIB13 8802730
IIALOGENATID VOLATILE ORGANICS (SW 1810)	NICS (SW 8010)						
Data Package			(1)	(13	#13	\$13	<b>₹13</b>
Benzyl Chloride	050		9	Þ	מ	n	D
Bis(2-chloroetboxy)methane	So		ח	n	ב	D	ם
Bis(2-chloroisopropyl)ether	So		2	Ω	2	n	ם
Bromobenzene	0.50		n	n	ם	'n	ח
Bromodichloromethane	0.10		ח	n	n	· ב	. 0.27
Вготобогт	070		ם	n	מ	ח	8
Вготоетраве	1.2		ລ	n	ם	ב	ב
Carbon Tetrachloride	0.12		Ω	Ω	Ω	ח	ח
Chloracetaldehyde	800		n	D	ם	ם	ב
Chloral	800		ח	ב	D	ם	ח
Chlorobenzene	27.0		ח	ס	ם	D	ם
Chloroethane	0.52		ם	כ	Ω	כ	ם
Chloroform	0.00		ם	ם	n	D	ם
1-Chlorohexane	0.50		O	ב	D	ב	ם
2-Chloroethyl Vinyl Ether	0.13		כ	ם	ח	n.	ם
Chloromethane	80.0		ח	ב	מ	ב	Þ
Chloromethyl Methyl Ether	So		מ	ם	U	n	•
Chlorotoluene	0.50		Ω	בֹ	ם	ם	<b>¬</b>
Dibromochloromethane	6000		ם	ח	a	D	ם
Dibromoethane	0.50		<b>&gt;</b>	D	Þ	2	3.1
1.2-Dichlorobenzene	0.15		מ	Ð	ח	ח	ם
1,3-Dichlorobenzene	032		ם	D	Þ	n	<i>⊃</i>
1.4.Dichlorobenzene	770		ב	Ď	a	D	D
Dichlorodifluoromethane	1.8		ח	Ω	ם	ם	Þ
1,1.Dichloroethane	0.07		ב	n	ח	ם	ם
L2-Dichloroethane	603		2	D	ם	n	כ
1,1-Dichloroethene	0.13		מ	Þ	ב	ם	2
Trans-1,2-Dichloroethene	0.10		Þ	ם	Þ	ກ	ם
Dichloromethane	22.0		1.7 B	19 B	158	0.61 B	2.4 B
1.2 Dichloropropane	700		כ	ם	מ	מ	ב
1.3-Dichloropropylene	7. 0.3.		כ	ם ·	ח	n	כ
1,1,2,2.Tetrachloroethane	003	•	<b>¬</b>	כ	מ	D	2
1,1,1,2.Tetrachlordethane	050		<b>&gt;</b>	ם	<b>&gt;</b>	כ	<b>D</b>
Tetrachloroethene	0.03		ח	כ	a	Ω	ם
1,1,1-Trichloroethane	0.03		ח	כ	ם	כ	ב
1,1,2-Trichloroethane	20'0		כ	2	Ω	ם	•
Trichloroethene	0.12		ח	ລ	ח	ם	מ
Trichlorofluoromethane	050		2	a	ם	מ	5
Trichloropmusne	80		n	ס	ס	כ	<b>-</b>

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framed framed framed framed framed framed framed framed		IET	9.24.88	DANGB-TB13	88092730
I		DUP	9-24-88	SW-1	88002727
-	•	SLI9		DANGB-8-SI 27-SW-1	
ession.		SL19 FB	9.24.88	DANGB-FB18 I	88092729
#					
F - senses }		SL19	9-24-88	DANGII:8-SL19-SW-1	88092726
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Table L-17 Site 8 - Surface Water Page 3

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Cadmium (SW 7131)	0,005	<0.000	NR	ž	NR	ž
Chromium (SW 7191)	10.0	100>	N.	NR.	az Z	ž
Lead (SW7421)	0.005	<0.000\$	ä	N.	N.	zz Z
SPECIFIC CONDUCTANCE (EPA 120.1) Unite: m\$/cm @ 25°C		6350	0.318	, MR	0.318	X.
TEMPERATURE (EPA 170.1) Unite °C		14.8	18.4	X X	. 184	NR
pH (EPA 150.1) Unite: pH Units		869	637	ž	637	ž

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Table L.17 Site 8 - Surface Water Page 4

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DUP Duplicate FB Field blank. TB Trip blank.

Data Package # Numbers refer to Data Packages in Appendix M.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit.

but greater than the Instrument Detection Limit.

NR The analysis was not requested.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit.

< Less than.

## TABLE L-18 SITE 8 MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR SEDIMENT SAMPLES

(Results in micrograms per kilogram unless otherwise noted.)

		Method	Well/QC No.	SI,17	SL18-8	SI.19.8	SL19-8 DUP
		Detection	Date Sampled:	9.24-88 DANGB-8-ST 17-SD-1	9-24-88 DANGB-8-01 18-00-1	9-24-88 DANGE-8-ST 19-SD-1	9.24-88 DANGR.&St 27.SD.4
	Parameter and Analysis Method		Lab Sample No.	8802735	88392736	7870088	88002734
	HALOGENATED VOLATILE ORGA	/OLATILE ORGANICS (EFA SW 8010)	(010				
	Data Package			156	95.#	1.56	156
	Benzyl Chloride	050		ח	ם	n	Ω
	His (2-chloroethoxy) methane	SD		ח	Ω	ם	Ð
	His(2-chloroisopropyl)ether	5.0		ח	ס	n	O
	Bromobenzene	050		<b>n</b> .	n	D	ח
	Bromodichloromethane	0.10		n	n	n	ם
	Bromoform	070		מ	n	ם	n
	Bromoethane	71		ח	D	ם	n
	Carbon Tetrachloride	0.12		ב	ח	n	Ω
	Chloracetaldehyde	800		ם	ח	Ω	Ω
	Chloral	200		n	ח	D	D
	Chlorobenzene	\$2.0		Ω	n	ם	ם
Y	Chloroethane	0.52		ב	ב	<b>&gt;</b>	ח
-2:	Chloroform	9,05		14 D	148	27 B	n
< 0	1-Chlorohexane	050		<b>&gt;</b>	<b>D</b>	ם	ם
,	2-Chloroethyl Vunyl Ether	0.13		ח	ם	ם	Ω
	Chloromethane	90'0		>	ח	ם	n
	Chloromethyl Methyl Ether	5.0		מ	ח	ם	n
	Chlorotoluene	S,		n	ב	<b>&gt;</b>	: ם
	Dibromochloromethane	60'0		<b>&gt;</b>	<b>D</b>	<b>:</b>	<b>)</b> ;
	Dibromoethane	050		ם :	: כ	<b>:</b>	<b>)</b>
	1,2.Dichlorobenzene	0.15		<b>&gt;</b> :	<b>D</b> :	o ;	<b>&gt; :</b>
	1,3-Dichlorobenzene	0.32		<b>)</b>	<b>-</b> :	<b>&gt;</b> ;	<b>&gt;</b> :
	1,4-Dichlorobenzene	:4 : :		<b>-</b> :	• : •		<b>&gt;</b> :
	Dichlorod/fluoromethane	13		<b>o</b> :	<b>)</b>	<b>)</b>	<b>:</b>
	1,1-Dichloroethane	70.0		<b>:</b>	<b>&gt; :</b>	<b>)</b> :	<b>)</b>
	1.2. Dichloroethane	500		<b>-</b>	<b>-</b>		> =
	1,1-Dichlorocthene	0.13		) =	2	o =	) D
	Dichloromichane	0.25		368	3. 3.	888	E 25
	1.2-Dichloropropane	<b>6</b> 00		ח		n	Ω
	13-Dichloropropylene	450 450		a	D	ח	Ω
	1,1,2,2-Tetrachloroethane	0,03		ח	ח	Ω	n
	1,1,1,2-Tetrachloroethane	050		ח	n	D	ם
	Tetrachloroethene	0.03		n	ח	n ,	D
	1,1,1-Trichloroethane	0,03		•	<b>-</b>	ם	n
	1,1,2-Trichloroethane	0.02		2	מ	כ	Ð
	Trichloroethene	0.12		מ	ח	ם	Ð
	Trichlorofluoromethane	0 <del>2</del> 0		ב	D ·	: c	D :
	Trichloropropane	0.50		<b>-</b>	<b>-</b>	0	<b>&gt;</b> :
	Vinyl Chloride	0.18		Þ	ם	Ð	Ð

Parameter and Analysis Method	Method Detection Limit	Well/OC No.: Date Sampled: Freid Sample No.: Lab Sample No.:	SL17 9.24-88 DANGB-8-SL11-SD-1 88992735	Well/OC No.         SL17         SL18-8         SL19-8 DUP           Date Sampled:         9-24-88         9-24-88         9-24-88           Field Sample No.         DANGB-8-SL17-SD-1         DANGB-8-SL18-SD-1         DANGB-8-SL13-SD-1           Lab Sample No.         8992735         8992737         8992737	\$1.19-8 9-24-88 DANGB-8-SL19-SD-1 83092737	SL19-8 DUP 9-24-88 DANGB-8-SL27-SD-1 8899734
AROMATIC VOLATILI ORGANICS (EPA SW 8020)	(EPA SW 8020)					
Data Padcage			#56	\$\$	156	<b>*</b>
Benzene	07		D	n	Ω	ם
Chlorobenzene	07		ם	ם	ח	
1.2-Dichlorobenzene	40		n	n	n	ə
1,3-Dichlorobenzene	<b>0</b>		n	n	n	Ð
1,4.Dichlorobenzene	03		ח	D	n	<b>&gt;</b>
Ethyl Benzene	0.2		ם	מ	n	Þ
Toluene	0.2		n	Ω	Ω	2
Total Xytenes	0.4		n	Ω	ם	a

Table L-18 Site - 8 Sediment Page 3

Parameter and Analysis Method PESTICIDES AND PCR's (EPA SW 8080)		Trait Samples	00:10.K	9-24-88	9-24-88	9-22-88
PESTICIDES AND PCH'S (EPA SW 8080)	Cinic	Field Sample No.: Lab Sample No.:	DANGB-8-SL17-SD-1 88092735	DANGB-8-SL18-SD-1 8802736	DANGB-8-SL19-SD-1 88092737	DANGB-8-SL27-SD-1 - 88092734
	_			•		
Data Fackage			981	\$26	\$50	1.56
Aldrin	0.00		n	ח	a	ב
Alpha-BHC	50.0		Ð	D	מ	n
Dcta-BIIC	500		ם	D	<b>D</b> .	a
Delta-Bild	500		ם ו	ວ	Ċ	ח
Gamma-DHC	50.0		Þ	ם	ם	ם
Chkorodane	50		Þ	ב	n	n
4,4*.DDD	0.10		ם	ם	מ	ם
4.4.DDE	0.10		ם	כ	Ω	n
4,4*.DDT	0.10		D	ם	ם	n
Dieldrin	0.10		ם	ם	n	<b>&gt;</b>
Endosulfan I	0.05		Ð	Þ	מ	D
Endosulfan II	0.10		Ω	Ð	D	>
Endosulfan Sulfate	0.10		ם	ח	מ	Ų,
Endrin	0.10		כ	.5	2	· >
Heptachlor	50.0		ח	ח	n	, n'
Heptachlor Froxide	0.05		, n			
Methowship	0		? =	· =	· =	=
Toxabene	9		) - <u>D</u>		, <b>5</b>	) =
PCB-1016	50		=	=	=	=
PCB-1221	20				=	=
PCB-1232	0.5		· >	מ	ה ה	: 0
PCB-1242	20		)	, D	D	n n
PCB-1248	50		ם	D	5	<b>3</b>
PCB-1254	01		ב	5	כ	ח
PCB-1200	<b>.</b> 2		Þ	D	D	ת ים
TOTAL PETROLEUM IIYDROCARBONS (EPA 418.1)	4S (EPA 418.1)					•
Date Package			\$5	#\$¢	#86	156
Unites mg/kg	180		× 100	> 100	200	3300
PERCENT MOISTURE						
Data Package			188	# 26	. #56	#56
Units: Weight percent			21.9	11.6	63.1	72.5
METALS (Units mg/kg)						
Data Package			#26	#58	#26	156
Barium (EPA SW 6010)	8		753	45.5	84813	83.6
Cadmium (EPA SW 7131)	0.5		< 0.92	<061	< 25	< 2.1
Chromium (EPA SW 7191)	0.5		14.8 N	268 N	13.2 • \$	14.2 S N
Lesd (GPA CW742)	× 0	•	**		y.11.	7'01

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Table I>18 Site 8 - Sediment Page 4

DUP Duplicate Data Package & Numbers refer to Data Packages in Appendix M.

B For organic analyzes, the parameter was detected in the laboratory blank as well as the sample. For metals analyzes, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Limit.

N For metals the percentage recovery of the spiked sample was not within the control limits.

S For metals the reported value was determined by the method of standard additions.

U Undetected. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit,

• Duplicate not within control limits. < Less than.

TABLE L-19 SITE 8 MINNESOTA AIR NATIONAL GUARD BASE DULUTH, MINNESOTA

SUMMARY OF CHEMICAL ANALYSES FOR SOIL SAMPLES (Results in microgram per kilogram unless noted otherwise.)

	Method	Location/OC No:	CCAD	SCAN DATE	į		;			٠
	Detection	Sample Devils (0):	6.0	10/10/20	IVec	2000	SSV3	SSB0	SSB1	SSD2
	imi J	Sample Date:	3 5 5	7.0	70 .	0.5	0.5	0.5	0.2	0.2
		Carl Cample No.	88-71-7	7.12.88	7-12-88	7-11-88	7.11.83	7.12.83	7-12-88	7.11.88
Parameter and Analysis Method		Lab Sample No.	R8071404	17ANGH 855-50 17ANGH 855-50	17-88-88-VI	DANGIB-8-SS-A2 88071387	DANGB 8-SS-A3	DANGB-8-SS-B0	DANGB-85S-B1	DANGB-8-SS-B2
,		•					all Carry	14011000	880/1403	88071385
HALOGENATED VOLATILE ORGANICS (SW 2010)	SCANICS (SW	(0100								
Data Package										
Benzyl Chloride	050		ž	ZN.	ä	ů.	a n	9	5	:
lis(2-chlorocthosy)methane	\$0		Z.	ž	ž	ž	a a a	ž	ž	XX I
Bis(2-chloroisopropy1)ether	20		×	N N	Z Z	ž	ž Š	ž i	ž	ž
Bromobenzene	0.50		NR	NR.	Z Z	ž	a a	ž	¥ 5	ž !
Bromodichloromethane	0.10		N.	Z	e e	É	a a	ž	X :	ž
Вготобогт	070		ž	ž	ž ž	ž ž		ž	X S	ž i
Bromoethane	17		ž	ä	ž	e Z	£ 2	¥ 9	ž i	¥ :
Carbon Tetrachlonde	0.12		ž	ž	ž	ž ž	ž ž	ž	ž	ž
Chloracetaldehyde	800		N.	ž	ž	¥ 2	ž	ž ž	ž	X :
Chloral	\$0.0		ž	ž	ž	ž	Ê	¥ 27	ž	ž !
Chlorobenzene	0.25		ž	Z.	ž	ž	ž	ž	ž 2	ž
	0.52		~	N.	ZX.	ž	ž	ž	i a	ž
•	0.00		NR	NR	NR	Z.	ž	: 2 2	2 2	ž
1-Chlorohexane	050		NR	N	NR	ž	¥ X	ž	Z Z	É
2-Chloroethyl Vinyl Ether	0.13		ž	NR	ž	ä	NR	ZZ.	Z	2
Chloromethane	8000		X X	NR.	ž	NR	N.	NR	a Z	Z Z
Chloromethyl Methyl Elber	20		Z.	ž	~ ~	N N	N.	ä	ž	Z Z
Chlorotoluene	80		ZZ.	Z.	ž	NR	ZZ.	ž	an an	Z.
Disromochioromethane	600		N.	ž	N N	ž	N.	ž	NN NN	ZX.
Upromometrane	8		ž	NR	ž	ZZ.	an N	ž	N.	N.
1.2-Dichiorochiche	0.15 0.33		Z I	¥	ä	a a	~N	ž	N.	N.
1.5-1.0 tenioroxenzene	0.32		ž	ž	a Z	¥	ž	ž	N.	N.
Deblored floorensen	57°0		ž i	z i	N.	ž	ä	ĭ	X.	NR
11-Dichlomethan	9 5		ž	ž :	ž	~ ~	ž	ž	Ä	N.
1.2-Dichlorocthane	8		ž	ž	ž i	ž	~ ·	N.	N.	NR
1.1-Dictionsethene	613		ž ž	ž	ž	ž	ž	ĕ	N N	ጸጸ
Trans-1,2-Dichforoethene	0,10		ž	ž	ž ž	ž	ž	zz i	ž i	ž i
Dichloromethane	0.25		ž	ž X	ž	ž	źź	ž	ž ž	¥ i
1.2-Dichloropropane	100		ĭ	N.	Z	ž	ž	ž	Z 2	ž
, 1.3-Dichloropropylene	634		N.	ž	ž	~XX	ž	ž	Ē	ź
1,1,2,2-Tetrachloroethane	0.03		NR	N.	Ä.	ž	ž	ž	ž . <del>ž</del>	¥ 2
1,1,1,2.Tetrachlorocthane	0.50		ZZ.	ž	ž	ĭ	ž	ž	ž	: 2 2
Tetrachlorocthene	0.03		NR	ž	ž	ž	ž	N.	æ X	ž
I.I.I.Trichloroethane	800		ž	ř.	¥	~ N	N.	ZZ.	×	ž
1.1.2-7 richlowethane	002		NR	ž	N.	N.	ž	N.	ž	ž
Trefforesthene	0.12		N	¥	~	ž	ž	ž	X.	ž
Trichlorofluoromethane	05.0		NR	ž	×	NR	N.	N.	Ν.	N N
Trebloropane	05.0		N.	¥	ž	N.	×	ž	XX.	×
Vinyl Chloride	0.18		ž	ž.	ž	ž	ž	NR	ž.	ž

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Table L-19 Site 8 • Soil Page 18

		the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	SSIS	SSCO	SSCI	SSC2	SSC3	OCISS '	IOSS	SSD2
	Detection	Sample Depth, (ft):	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.7
	Limit	Sample Date:	7-10-88	7-12-88	7-12-88	7.11-88	× 7-11-88	7-12-88	7-12-88	7-11-88
Parameter and Analysis Method		Field Sample No.:	DANGB-8-55-193 82071381	DANGB-8-SS-C0 88071395	DANGII:8-SS-CI 88071.996	DANGB-8-SŞ-C2 89071390	DANGB-8-SS-C3 88071389	DANGB-8-SS-D0 88071405	DANGB-8-SS-D1 . 88071391	.DANGB-8-SS-D2 89071382
					.,,,				ζ.	,
HALOGENATED VOLATILE ORGANICS (SW 8010)	RGANICS (SW	(010								•
Data Package										
Benzyl Chloride	050		NR	ä	¥N	N.	ĭ	N.	AN.	ž
Bis(2-chloroethoxy)methane	20		NR.	ä	Z ·	≅Z	ž	X X	ž	Z.
Bis(2-chloroisopropyl)ether	<b>2</b> 0		¥	N.	ž	ž	ž	X.	æ.	ž.
Bromobenzene	જુ		zz.	~	≅ Z	ž.	Ä.	Z.	ž	¥.
Bromodichloromethane	0.10		ž	ž	ž	ž	ž	N.	ž,	X.
Bronoform	070		ž	ž	ž	ž	ž	ž	ž,	ž
Bromoethane	2		ž	ZZ.	ž	ž	ZZ.	N.	N.	æ,
Carbon Tetrachioride	0.12		ž	ZZ.	ž	ZZ.	ž.	N.	ZZ.	ĩ.
Chloracetaldehyde	20,0		XX.	MR	ž	~N	ž	ž	N N	NR.
Chloral	200	•	N.	N.	ž	~N	NR	ž		ž
Chlorobenzene	0.25		N.	ž	ž	ZN.	Ä.	Z.	ž.	N.
Chlorocthane	0.52		N.	ž	ž	ž	ž	NR	Ä,	N.
Chloroform	200		Z.	ž	ž	Z.	ž	AZ AZ	Z.	X.
1-Chlorohexane	જુ		Z.	ZZ.	ž	Z.	ž	ZZ.	<b>X</b>	ž
2-Chloroethyl Vinyl Ether	0.13		<del>X</del>	an N	¥	ž	ZZ.	ž	NR	ž
Chloromethane	80.0		~	ž	ž	N.	ž	ž.	a a	<b>%</b> .
Chloromethyl Methyl Ether	So		ž	ž	ž	z Z	ž	¥ i	X I	ž
Chlorotoluene	050		ž	ž	ž	ž	¥X	ž	ž	ž
Dibromochloromethane	600		Z.	ž.	ž	ž	ž	¥.	¥ !	<del>ž</del>
Dibromomethane	860		Z.	ž	ž	z Z	ž.	zz.	zz Z	ž
1.2-Dichlorobenzene	0.15		ž	Z :	ž i	z i	<b>Z</b> √	¥.	X.	ž !
1.3-Dichlorobenzene	032		ž	ž	ž	ž	ž i	ž :	X :	<b>E</b> .!
1.4-Dichlorobenzene	ন :		Z :	ž i	ž	ž	ž	ž ;	X X	ž ž
Dichlorodifluoromethane	× !		ž	ž	¥ :	ž	ž	ž	ž	ž
1.1-Dichloroethane	000		ž	ž ž	ž ž	¥ 2	ž	žź	ž	ž Š
1.c-Deniorcemane	500		ž	žã	ž	ž	ž	ž Z	¥ X	Y Z
Trans. 1.2. Dichknoethene	0.10		ž	ž	Z Z	ž	ž	ž	ž	N N
Dichloromethane	0.25		Z.	ž	ĭ	ž	ZZ.	AR.	N.	. XX
1.2-Dichkiropropane	0.04		≅Z.	ä	ä	ž	Z.	N.	N.	av.
1.3.Dichloropropylene	<del>۲</del> 0		ž	XX.	ž	ž	~ N	X.	Z.	XX.
1,1,2,2-Tetrachloroethane	0.03		<u> </u>	¥	ž	ZZ.	ž	ZZ.	X.	X.
1.1,1.2-Tetrachloroethane	0.50		ž	Z.	ž	ž	Z.	NR	ž	N.
Tetrachlorocihene	0.03		ž	ž	W.	¥	¥X	ž	· XX	ž
1,1,1-Trichloroethane	003		ž	χ. Χ.	ğ	ž	ž	ž	ž	
1.1.2-Trichlorocihane	0.02		ž	ž	ž	XX.	ž	ž	N.	Ž,
Trichlowethene	0.12		ZZ Z	ž	~	ž	ž	ž	ž	ž.
Trichlorofluoromethane	0 <del>,</del> 20		ž	ž	XX	¥	ž	ž	NK.	Z.
Trichloropropane	0 <del>.</del> 50		X.	ž	ž	ž	NX.	ž	ZY.	ä N
Vind Ohlushia	9.0			44.	5	-				

Table L.19	Sire 8 - Soil

	No.		SOUT FORCE	300	Cice	1300	25100	SSE	0.100	1.100
	Detection	Sample Depth, (ft):	0.5	0.5	0.5	0.5	0.5	0.2	0.5	0.5
	Limit	Sample Date:	7-11-88	7-11-68	7.12.88	7-12-88	7-12-88	7-11-88	7-12-88	7-12-88
Parameter and Analysis Method		Field Sample No.:	DANGII-8-5S-G2 88071388	DANGB-8-SS-D3 88071383	DANGB-8-SS-E0 88071406	DANGB-&-SS-EI 88071400	DANGB-8-SS-E2 88071393	DANGB-8-SS-E3	DANGB-8-55-F0 83071401	DANGB-8-SS-F1 88071398
HALOGENATED VOLATILE ORGANICS (SW 8010)	ANICS (SW 8	, (010				-				
Data Package				•						
Beard Chloride	050		ž	ž	ž	and the second	ž	Z	2	.2
Bis(2-chloroethovy)methane	08		ž	ž	ž	ž	ž	ž	. X	ž
Bis(2-chloroisopropyl)ether	20		ž	N.	ž	ž	ž	ž	ž	ž
Bromobenzene	05.0		N.	ž	ž	N N	N N	N N	Z Z	ž
Bromodichloromethane	0.10		ž	, N	ĭ	ž	ž	N. N.	ZZ.	ž
Bromoform	070		ZN.	N.	ž	Z.	ž	ZZ.	N.	. X
Bromoethane	71		ä	ž	ä	ž	ž	, K	N N	Z.
Carlson Tetrachloride	0.12		ž	ZN.	ĭ	ä	ž	N.	N	Z.
Chloracetaldehyde	\$0.0		ž	Ä	Ä	ž	ž	ÄK	ž	ž
Chloral	50.0		ä	~N	N.	NR	ž	N.	N.	ž
Chlorobenzene	870		NR	¥×.	ž	ă	NR	Ä	Z.	Z.
Chloroethane	0.52		N.	ž	ž	N.	ž	NR.	N.	NR
Сһюгобогт	50.0		N.	N.	NR	ž	N.	N.	N.	Ä
I-Chlorohexane	0.50		ĭ.	Ä	Ä	ž	ž	an N	A.S.	ž
2-Chloroethyl Vinyl Ether	0.13		ž	¥	ĭ	ž	ž	Ä	N.	Ż
Chloromethane	80'0		ZZ.	a a	ž	N.	Ä.	~ N	ž	Ż
Chloromethyl Methyl Ether	So.		~ X	ž.	ž	ZZ :	ž	ZZ :	¥.	Ż
Chlorotoluene	050		Z Z	ž	Z ·	ž	ž	ž	zz Z	Ž .
Dibromochloromethane	000		ž	Z I	z :	ž	ž	Z i	X :	Ż
Dibromomethane	8		Z.	ž	XX	ž	N.	ž,	X.	Ż [*]
1.2-Dichlorobenzene	0.15		ďZ.	a Z	N.	NR.	ž	- RN	N.	Ź
3-Dichlorobenzene	032		ZZ Z	NR	XX	Ä.	ž.	A.	ጸአ ማ	Ż
1.4.Dichlorobenzene	0.24		ž	X.	ž.	ž i	ž	Z.	Z.	ž ·
Dichlorodifluoromethane	8		z i	ž :	æ :	ž i	ž	Z :	Z :	Z
I.I-Dichlorocthane	200		ž :	ž	ž ;	ž	ž	ž i	X :	Ź
1.2.Dichloroethane	500		ž	ž :	ž :	ž	ž	ž	¥ :	Z
1.1-Dichloroethene	0.13		ž :	ž.	¥ :	ž,	ž	ž	Z.	X 7
Trans-1.2-Dichlorocthene	0.10		ž	¥ i	¥	ž	אַב	ž	ž.	Ż.
Dichloromethane	0.25		ž	ž	ž :	ž	ž	ž i	ZZ :	Ż.
1.2-Dichloropropane	100		¥X	ž	ž	ž	ž.	ž	¥	ž.
1.3-Uichloropropylene	<del>بر</del>		A A	XX.	ž	ž	ž	ž	ž	Ž.
1,1,2,2.Tetrachloroethane	0.03		a a	ž	ž	ĩ	≃ X	zz Z	æ,	Ż
I,I.J.2-Tetrachlorocthane	050		N.R.	ž	Z.	ž	~	ž	× ×	Ź
Tetrachlarocthene	800		ž	¥Z	Z N	ž	ž	N.	X.	Ź
1.1.1-Trichloroethane	0.03		ä	ĭ	Z Z	NIN NIN	ž	NI.	Ä.	艺
1,1.2.Trichloroethane	0.02		ž	XX	ž	N.	ž	ž	አ ሚ	Z
Trichloroethene	0.12		ä	ž	Ä	NR.	ĕ	NR	NR.	Z
Trichlorofluoromethane	050		N.	ž	~X	ž	NR.	N.	ž	N.
Trichloropropane	0.50		N.	N.	NR	N.	NK NK	ĭN.	ž	ZX.

1 France of France of francisco & E. Traces | Comment |

Table L-19 Sice 8 - Soil Page 1D

Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description   Description											2 (22 0 7 (1)) (
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Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language   Language		Ľ	Sample Date:	7.12.88		7.11-88	88-88	8-8-88	8-8-88	8-31-88	•
11EONIGACANICAS (SAW 2010)  1. 2. 5. 5. 5. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	rameter and Analysis Method		Field Sample No.: Lab Sample No.:	DANGIS-8.SS-G1 88071392	DANGB-8-SS-F2 88071402	DANGB-8-SS-F3 88071380	DANGB-8-MW14-SSI 88081706	DANGB-8-MW14-SS3 88081707	DANGB-8-MW14-SS9 88081709	DANGB-8-MW14-SS3 8802250	
250 250 250 250 250 250 250 250 250 250	ALOGENATED VOLATILE ORG	3 MS) SOINY:	(010)								
	ita Package						130	#30 Note 2	#30 Note 3	8	•
	Sand Calonida	Ş		2	97	2	=				
	(2) chloroethoxy)methane	3 9		ž ž	2 2 X	ž		) <u> </u>		<b>)</b>	
	(2-chlomisonomy)ether	e s		2 2 2	ž	ž 9	> =	> =	, ,	) :	
9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.00	stransbarbiopy, jener	3:5		ž	ž	ž	ם כ	ə <del>-</del>	) :	> <b>:</b>	
1.2	pmodichlomomethane	910		ž	i ž	ž	> =	> =	)  - 	2	
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25.0 M. M. M. M. M. M. M. M. M. M. M. M. M.	loracetaldehyde	800		N.	Z.	ž	<b>&gt;</b>	•	מ	5	
0.55	koral	200		NR	¥N.	¥Z	n	ם	n	a	
0.55	orobenzene	52.0		N.	, ¥	ž	n	2	n	Þ	
0.05 M.R. M.R. M.R. M.R. M.R. M.R. M.R. M.R	foroethane	0.52		N.	ĭ	N.	n	כ	Ď	כ	
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5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	hioroethyl Vinyl Ether	0.13		N.	N.	NR	Ω	Ω	Ω	n	
5.50  W.R. N.R. N.R. N.R. N.R. N.R. O. U  0.50  W.R. N.R. N.R. N.R. N.R. O. U  0.51  W.R. N.R. N.R. N.R. N.R. O. U  0.52  W.R. N.R. N.R. N.R. N.R. O. U  0.53  W.R. N.R. N.R. N.R. O. O  0.54  W.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. O. O  0.55  W.R. N.R. N.R. N.R. N.R. N.R. N.R. N.R.	broncthane	80.0		z z	žv.	N.	ח	•	D	ח	
0.50         NR         NR         NR         NR         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O<	loromethyl Methyl Ether	2.0		N.	¥N	NR	ח	D	Ω	ם	
0.05 0.07 0.08 0.08 0.08 0.09 0.09 0.09 0.09 0.09	orotoluene	0 <del>,</del> 50		N.	Z.	NR	P	0	ח	n	
0.25 0.26 0.27 0.28 0.28 0.29 0.29 0.29 0.29 0.29 0.29 0.29 0.29	romochloromethane	600	-	X.	ž	ž	Þ	2	ח	D.	
0.15 0.17 0.18 0.18 0.18 0.19 0.19 0.19 0.19 0.19 0.19 0.19 0.19	romomethane	୪		Z Z	ž	Ä.	ח	<b>&gt;</b>	כ	Ð	
0.22  1.6  1.6  1.6  1.7  1.7  1.7  1.7  1.7	Dichlorobenzene	0.15		N.	ä	Z.	Ð	ב	ח	Ð	
1.8 NR NR NR NR NR NR NR NR NR NR NR NR NR	Dichlorobenzene	0.32		ž		NR	ח	ם	ם	ם	
1.8 NR NR NR U U U U U U U U U U U U U U U	Dichlorobenzene	0.24		ž	zz.	N.	Ω	<b>¬</b>	ם	ם	
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05	hlorodifluoromethane	1.8		ZZ.	ž	N.	<b>D</b>	n	ם	ח	
0.03 NR NR NR U U U V U U U U U U U U U U U U U U U	Dichloroethane	0.07		<b>≃</b> Z	NR	N.	ח	n	כ	n	
0.13 NR NR NR NR 131 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	Dichloroethane	0.03		~ N	Z.	ž	ח	n	<b>&gt;</b>	Ω	
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Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page 1987   Page		Lmit					8-10-83	8-5-88	8-5-88		8.18
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	Bremoform	0.20		<b>&gt;</b>		) D		=	<b>&gt;</b> =	<b>&gt;</b> =	<b>&gt;</b> =
Contractive of a	Bromoethane	1.2		n	n	Ð	· >	, _⊃	2	> =	2
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Chaptedenter   0.25	Chloral	200		· >	<b>-</b>	n	· >	· =	=======================================	=	= =
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Chickondename         0,00         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Chloroethane	0.52		כ	<b>D</b>	O	<b>&gt;</b>	; <b>ɔ</b>	2		<b>-</b>
	Chloroform	0.05		<b>-</b>	D	Ω	ה	)	; D	2	2 50
1.0	I-Chlorohexane	0.50		ם	D	O	n	· >	2	: ב	
Chloromethylater   0,00		0.13		ם	ח	ם	ס	n	כי	2	=
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1	Dibromochloromethane	60.0		ח	<b>&gt;</b>	ם	D	ח	ם	ם	2
1,	Dibromomethane	0.50		ם	<b>&gt;</b>	כ	D	ם	D	Þ	D
1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5	I.Z.Dichlorobenzene	0.15		ם:	ם	כ	Þ	O	•	<del>.</del> -	Þ
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0.25         4.3 B         5.1 B         10 B         4.1 B         3.3 B         5.1 B         4.4 B           0.04         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	Trans-1,2.Dichlorocthene	0.10		ם	ב	, O	; <b>D</b>	; D	2	ממ	
nic         0.054         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U </td <td>Dichloromethane</td> <td>0.25</td> <td></td> <td>43 B</td> <td>5,1 B</td> <td>10 B</td> <td>4.1 13</td> <td>338</td> <td>5.1.8</td> <td>448</td> <td>90</td>	Dichloromethane	0.25		43 B	5,1 B	10 B	4.1 13	338	5.1.8	448	90
object         0.34         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	1.2-Dichkropropane	970		ח	n	כ	ם	ם	>	n	2
octane         0.03         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	L3-Dichkoroprepylene	<del>1</del> 0		n	Ð	n	n	D	n	>	: >
exhane         0.50         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U         U	1,1,2,2.Tetrachloroethane	0.03		<b>¬</b>	n	n	ם	<b>&gt;</b>	<b>¬</b>	ċ	D
thane 0.03 U U U U U U U U U U U U U U U U U U U	I.I.1.2.Tetrachloroethane	0.50		D	מ	ח	Ω	>	)	ס	5
ane 0,003 U U U U U U U U U U U U U U U U U U	Tetrachloroethene	0.03		ם	מ	D	ם	D	2	ם	. >
than 60.02 U U U U U U U U U U U U U U U U U U U	I.I.I-Trichloroethane	0.03		ם	ם	<b>-</b>	ח	D	<b>¬</b>	n	2
0.12 U U U U U U U U U U U U U U U U U U U	1,1,2.Trichloroethanc	0.02		ם	ח	2	n	2	>	•	· 5
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	Trichlorofluoromethane	0.50		n	ח	ח	<b>&gt;</b>	•	: <b>⊃</b>	; <b>ɔ</b>	; =
O O O O O O O O O O O O O O O O O O O	Trichloropropane	0.50		ə	n	D	D	>	מ	• >	). Đ
	Vinyl Chloride	0.18	•	D	n	D	n	ם	2	ָ ה	? <del>?</del>

Professional Company

Table L.19 Site 8 - Soil Page 1F

	Method	Location/QC No:	MW19-SS2	MWI9-SS3	MW20-SSI	MW20 R-SSI	MW20 R-SSI DUP	MWZ0-SS2	30.03 & 50.03	
۵	Detection	Sample Depth, (ft):	65.75	9-10	0.5	0.5	0.5	8.9	15-20.5	
	Lmir	Sample Date:	8-10-88	8-10-88	8-5-88		8-31-88			,
Parameter and Analysis Method		Field Sample No.: Lab Sample No.:	DANGB-8-MW19-SS2 89081750	DANGII-8-MW19-5S3	DANGB-8-MW20-SSI 89081098	DANGB-8-MW205SSI 88092253	DANGB-8-MW20-SS5 R8072252	DANGII-8-MW20-SS2 . 88081 <i>0</i> 99	DANGB-8-MW20-SS4 88081700	
IMLOGENATED VOLATILE ORGANICS (SW 8010)	NICS (SW.	(010)								
Data Factorge			12.4	12.1	/31	# 29 Note 4	43	(31	431	
Benzyl Chloride	050		מ	מ		5	=	: =	7	
Bis(2-chloroethoxy)methane	S		כ	· >	ם מ	כס	ממ		<b>-</b>	
Bis(2-chloroisopropyl)cther	20		ם	· >	מ	· >	, n	כמ	ם מ	
Bromobenzene	S,		ນ	5	5	ם ס	) D	5	ם מ	
Bromodichloromethane	0.10		<b>¬</b>	כ	מ	ח	· >	D	כי	
Bromoform	0.20		ס	כ	כ	n	<b>¬</b>	n	5	
Bromoethane	7		ח	<b>¬</b>	n	ב	ח	ם	5	
Carbon Tetrachloride	0.12		ב	ב	<b>ס</b>	ח	ם	ם	ກ	
Chloracetaklehyde	800		n	Þ	ח	ב	ם	ב	Ò	
Chloral	200		ח	ב	מ	ב	⊃	ם	Þ	
Chlorobenzene	220		ם	כ	מ	כ	כ	ສ	Þ	
Chloroethane	0.52		Ð	ם	מ	ח	n	ם	ב	
Chloroform	200		81 5000	0,04 B	ח	653	0.74	D	מ	
1-Chlorohexane	S		Ð	כ	ח	ם	n	ם	ח	
	9.13		ם	כ	ב	ם	n	n	ם	
	800		ם	>	ח	n	ם	n	ם	
-	So.		5	ב	n	מ	ח	ם	D	
Chlorodolyene	S		<b>&gt;</b>	<b>n</b>	n	n	ח	D	ב	
	600			<b>n</b>	ח	<b>&gt;</b>	כ	ם	ח	
Dibromomethane	ଞ		<b>D</b>	n	ב	Þ	ם	<b>D</b> .	<b>ס</b>	
1,2-Dichlorobenzene	0.15		>	מ	ח	Þ	ב	ສ	<b>¬</b>	
1,3-Dichlorobenzene	032		<b>&gt;</b>	n	ח	ם	n	ם	ח	
J.4.Dichlorobenzene	77		Þ	Þ	ח	ח	n	ם	כ	
Dichlorodifluoromethane	<u>s</u>		Þ	n	Þ	n	<b>n</b>	ב	ח	
1,1-Dichloroethane	0.07		ב ב	<b>=</b>	מ	ם	n	n	ב	
1,2-Dichloroethane	000		ם :	D	Þ	ם	n	D ,	ם	
I,I-Dichloroethene	0.13		<b>D</b> ;	<b>5</b>		<b>&gt;</b>	ם	Đ	<b>D</b>	
Trans-1,2-Dichloroethene	0.10		<b>&gt;</b>	<b>5</b>	D .	<b>D</b>	Þ	<b>S</b>	D	
Dichloromethane	2		328	328	3.4 B	0.35 B	0.48 B	7.6 B	3,6 B	
1,2-Dichloropropane	30		<b>¬</b>	מ	ח	D	ח	ם	<b>5</b>	
1.3-Dichloropropylene	7		מ	ב	<b>&gt;</b>	ח	ב	ח	ח	
1,1,2,2-Tetrachiorocthane	003		5	>	ב	ם	מ	n	ם	
1,1,1,2.Tetrachloroethane	050		D	Þ	ב	n	מ	n	ח	
Tetrachloroethene	003		Þ	ח	כ	מ	n	n	כ	
1,1,1-Trichloroethane	600		ח	<b>¬</b>	n	ם	Ω	ם	D	
1,1,2-Trichlorocthane	000		>	n	n	n	n	ם	ח	
Trichloroethene	0.12		ב	ם	n	n	n	ב	Ð	
Trichlorofluoromethane	S,		ם	כ	ח	כ	n	n	ח	
Trichloropropane	જુ		ם	>	ב	D	ם	Ω	D	
Vinyl Chloride	0.18		Þ	n	ח	ם	ח	D	2	

Table 1-19	Site 8 - Soil	Page 2A

Sample Date:         7-12-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88         7-11-88	•	Method	Location/OC No:	SSA0	SSA0 DUP	SSAI	6425	6643	CCINO	cen	Cuss
Linit   Sumple Date   1.12-83   1.12-83   1.12-83   1.12-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.11-83   1.		Detection	Sample Death (0):	6.3	6.0	5			2000	1000	7000
Limit   Sample Date;   7-12-83   7-12-83   7-13-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7-11-84   7			Carl market and mark	\$	7.5	75	7:0	7:0	7-0	7.0`	0.5
The bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic bolic		Caj.	Sample Date:	7.12.88	7.12.48	7-12-88	7-11-88	7-11-88	7-12-88	7.12-88	7.11-88
Ainthful Method         Lab Sample No.2         88071404         88071394         88071387         88071387         88071403           YOLATILLE ORGANICS (SW ROX)         1.20 Sample No.2         NR			Field Sample No.:	DANGB-\$-SS-A0	∺	DANGIL8-SS-A1	DANGB-8-SS-A2	DANGB-8-SS-A3	DANGB-8-SS-80	DANGB-8-SS-BI	DANGB-8-SS-B2
OLATILE ORGANICS (SW 8020)         NR         NR <th< th=""><th>Parameter and Analysis Method</th><th></th><th>Lab Sample No.:</th><th>10117033</th><th>88071374</th><th>880713999</th><th>88071387</th><th>88071384</th><th>88071397</th><th>88071403</th><th>88071385</th></th<>	Parameter and Analysis Method		Lab Sample No.:	10117033	88071374	880713999	88071387	88071384	88071397	88071403	88071385
Olaming Cray (50%)   Olaming Cray (50%)   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming Cray   Olaming	•										
1	AROMATIC VOLATILIE ORGA	(NICS (SIV 80X)	_								
1	Data Padage										
1	Benzene	07		ž	Z.	ž	N.	¥N	NR.	zz.	· X
nètec         0,4         NR         NR <th< td=""><td>Chlorobenzene</td><td>07</td><td></td><td>NR</td><td>Ä</td><td>NR</td><td>NR</td><td>ž</td><td>NR</td><td>Z Z</td><td>ž</td></th<>	Chlorobenzene	07		NR	Ä	NR	NR	ž	NR	Z Z	ž
nètre         0,4         NR         NR <th< td=""><td>1.2-Dichtorobenzene</td><td>70</td><td></td><td>NR</td><td>ž</td><td>~N</td><td>,</td><td>ž</td><td>NR.</td><td>ž</td><td>ž</td></th<>	1.2-Dichtorobenzene	70		NR	ž	~N	,	ž	NR.	ž	ž
NR	1.3-Dichlorobentene	3		N	ž	ĩ	NR	ž	NR	22	a a
0.2 NR NR NR NR NR NR O.2 NR NR NR NR NR NR O.4 NR NR NR NR NR NR NR NR NR NR NR NR NR	1,4-Dichlorobenzene	03		ž	Ä	ž	XX	ž	N.	22	22
O2 NR NR NR NR NR NR O4	Ethyl Benzene	07		N.	~XX	ž	N.	ž	NR	ž	ž
O.4 NR NR NR NR NR O.4	Tolucné	0.2		N	N.	ž	¥Z	ZZ.	N.	Z	Z
	Nytene	70		ž	ž	Z.	Ä	an a	NR	ž	Z

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Table L-19 Site 8 - Soil Page 2B

because because brought brought broad from the format because it would

Method	od Location/QCNo:	SSR3	SSCO	SSCI	SSC2	SSC	. SSD0	Idss	SSD2	
Detection	S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	
Limit	mit Sample Date:	7.10-88	7-12-88	7.12.88	7-11-88	7-11-88	7-12-88	7-12-88	7-11-88	
	Field Sample No.:	DANGB-\$-SS-B3	DANGB-8-SS-C0	DANGB-8-SS-CI	DANGIB-8-SS-C2	DANGIJ-8-SS-C3	DANGB-8-SS-D0	DANGB-8-SS-D1	DANGB-8-SS-D2	
Parameter and Analysis Method	Lab Sample No.	88071381	88071395	१४०४।३७६	88071390	88071389	88071405	88071391	88071382	
	,				•	,		( ;		
AROMATIC VOLATILLE DICCAPICA (SW 8422)	(SAZA)					,				
Data Package										
Benzene	02	¥ N	ž	ä	Ä	N.	NR	NN	ž	
Chlorobenzene	0.2	ž	ž	ž	NR.	ž	ž	¥X	X.	
1,2-Dichlorobenzene	P'0	ž	ž	ž	AN	ĭ	ž	N.	Z.	
13-Dichlorobenzene	P/O	M	NN NN	ž	NR	ž	N.	ZZ.	Z Z	
1,4-Dichlorobenzene	0.3	ž	ž	ž	N.	ž	a a	az.	N.	
	0.2	N.	N.	z z	NA NA	ĭ	Z.	ZZ.	NR RR	
	0.2	ž	NR	ž	NR	ž	N.	Z.	N.	
Xylene	90	NR.	ĭ	ĭ	NR	ä	N N	X X	N.	

	Method	Location/OC No:	SSD2 DUP	SSD3	02ISS	SSEI	SSIZ	SSE3	SSF0	SSF1
	Detection	Sample Depth, (ft):	6.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Ľmi	Sample Date:	7.11-88	7.11.88	7.12.88	7-12-88	7-12-88	7-11-88	7.12.88	7-12-88
		Field Sample No.:	DANGIJ-8-SS-G2	DANGB-8-SS-D3	DANGB-8-SS-130	DANGB-8-SS-EI	DANGB-8-SS-172	DANGB-8-SS-E3	DANGB-8-SS-FD	DANGB.8.SS.F.
Parameter and Anahysis Method	1	Lab Sample No.	88071388	8,6071383	88071406	88071400	84071393	88071386	88071401	88071398
	•1									,
AROMATIC VOLATILE ORGANICS (SW 8020)	ANICS (SW 8020)									
Data Package				*						
Benzene	07		N.	N.	an N	an a	ž	ZZ.	ž	, and
Chlorobenzene	0.2		NR	ž	NR	ž	ž	ž	ž	X X
1.2-Dichlorobenzene	30		N.	ž	Z X	¥	Z.	N.	Z Z	a X
1.3-Dichlorobenzene	0.4		N.	ž	N.	ž	~X	Z.	Z Z	ž
1.4-Dichlorebenzene	03		ZN.	¥ ,	ž	ž	~X	ž	Z.	N. W.
Ethyl Benzene	07		ž	NE	N	ž	ž	N.	ZZ.	ž
Tolucne	0.2		N.	N.	N	Ä	ä	NR	NN.	Z Z
viene	6		ĕN	¥N	ž	ž	ž	NR.	ä	2

	MW14-SS3 MW14-S
	MW14-SS1 0-1
	SSR3
	SSS 50.0
	SSF1 DUP 0-2
	Location/OC No: Sample Depth, (n):
	Method Detection S
6 F	

	Method	Location/OC No:	SSFI DUP	SSF2	SSF3	MW14-SS1	MW14-SS3	MWI4-SS3 DUP	MWI4 R-SS3	MWI4 R-SS3 DUP
	Detection	Sample Depth, (n):	62	0.5	0.5	0.1	10.12	10-12		10-12
	Limit	Sample Date:	7-12-88	7.12.88	7-12-88	8-8-88	8-8-88	8.8.88	8-31-88	
		Field Sample No.	DANGB-8-SS-GI	DANGB & SS-F2	DANGB-8-SS-F3	DANGB-8-MW14-SSI	DANGB-8-MW14-SS3	DANGB-8-MW14-SS9	DANGB-8-SS-1 ³ 3 DANGB-8-MW14-SS1 DANGB-8-MW14-SS3 DANGB-8-MW14-SS9 DANGB-8-MW14-SS9 DANGB-8-MW14-SS9	DANGB-8-MW14-SS9
Parameter and Analytis Method		Lab Sample No.:	89071392	88071402	88071380	89081706	10718088	88081709	08092250	88092251
(KW MD) SOLN FOR BUILDING A	(Kus ms) Scint							-		
	(mm)									
Data Package						# 30	#30 Note 2	#30 Note 3	&#</td><td>8.</td></tr><tr><td>Benzene</td><td>07</td><td></td><td>an N</td><td>ž</td><td>ž</td><td>ח</td><td></td><td>ם</td><td>ב</td><td>ח</td></tr><tr><td>Chlombenzene</td><td>07</td><td></td><td>N.</td><td>N.</td><td>ž</td><td>ח</td><td>n</td><td>ח</td><td>Þ</td><td>Ω</td></tr><tr><td>1 2.Dichlombentene</td><td>7</td><td></td><td>ž</td><td>N.</td><td>N.</td><td>ב</td><td>ם</td><td>ח</td><td>ב</td><td>כ</td></tr><tr><td>1 3.Dichlombenzene</td><td>*0</td><td></td><td>ZZ</td><td>Ä</td><td>ž</td><td>ח</td><td>ם</td><td>כ</td><td>כ</td><td>ם</td></tr><tr><td>1 4.Dichlombenzene</td><td>.03</td><td></td><td>ž</td><td>NR</td><td>N.</td><td><b>></b></td><td>ח</td><td></td><td>ם</td><td>ב</td></tr><tr><td>Fiby Renzene</td><td>3</td><td></td><td>N.</td><td>N.</td><td>N.</td><td>ח</td><td>ח</td><td>ם</td><td>n</td><td><b>5</b></td></tr><tr><td>Tolliene</td><td>07</td><td></td><td>A.R.</td><td>XX</td><td>ä</td><td>1100</td><td>6.4</td><td>66</td><td>82</td><td>ם</td></tr><tr><td>Video</td><td></td><td></td><td>N.</td><td>N.</td><td>×</td><td>ח</td><td>•</td><td>ם</td><td>ם</td><td><b>></b></td></tr></tbody></table>	

	Method	Location/QC No:	MW	NWI6-SSI	MWI6-SS2	MWI6-SS6	MWI8-SSI	MW18-552	MW18-SS3	NW19-SS1
	Detection	Sample Depth, (ft):		3	£.5	29:30	6.2	811	14-15	0.0
	Limit	Sample Date:	8.4.88	8-10-83	8-10-88	8-10-88	8.5.88	85-88	8-5-88	×10.88
meter and Analysis Method		Field Sample No.:	Field Sample No.: DANGB-8-MW14-SS8 DANGB Lab Sample No.: 88081708	DANGII-8-MWI6-SSI	H-B-MWIGSSI DANGB-B-MWIGSS2 DANGB-R-MWIGSS6 DANGB-R-MWIBSSI DANGB-R-MWIBSSI RANGI733 SANGI733 SANGI733	DANGB-8-MW16-5/56	DANGB-&MWI8-SSI	DANGB-8-MWIE-SS2	DANGB-&MWI&SS3 DANGB-&MWI9-SS1	DANGB-8-MW19-SS1
						Company .	CONONO	OCORDOO	1/018089	67/18082
MATIC VOLATILE ORGANICS (SW 8020)	NICS (SW 8020)	_								
Package			<b>\$</b> 30	124	127	£27	131	/31	#31	¥27
the	07		ם	ח	n	ם	מ	2	=	=
robenzene	07		n	2	<b>-</b>	מ	כי	2	=	> =
ichlorobenzene	<b>*</b> 0		n	<b>D</b>	7	ם י	2			> =
ichlorobenzene	3		ם	<b>ס</b>	n	ם	כ	, ,	כי	=
ichlorotxenzene	S,		ח	ם	ם	ח	ם	· •	ם מ	) =
Benzene	07		•	2	ח	ח	Ð	כ	ם ה	· =
300	0.2		ສ	\$1	₹	25	2	. 2	. 88	2
Ų.	0,4		n	ב	5.6	n	n	ם	ם י	כי

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1	Table L-19	Page 21	

MG	Method Location/OC No:	NW19-SS2	MWI9-SS3	MW20-SSI	MW20 R-SSI	MW20 R-SSI DUP	MW20-SS2	WW20-SS
Detection	tion Sample Depth, (ft):	27:59	01-6	0.5	0.5	0.5	8-9	15.20.5
	Limit Sample Date:	8-10-88	8-10-83	8.5.88	8-31-88	8-31-83	8-5-88	8-2-88
Parameter and Analysis Method	Field Sample No.: DANGB-8- Lab Sample No.:	DANGB-&MW19-SS2 88081750	-MW19-SS2 DANGII-&MW19-SS3 DANGII-&MW20-SS1 DANGII-&-MW20-SS1 DANGII-&-MW20-SS5 DANGII-&-MW20-SS2 DANGII-&-MW20-SS3 BANGII-&-MW20-SS2 BANGII-&-MW20-SS3 BANGII-&-MW20-SS2 BANGII-&-MW20-SS3 BANGII-&-MW20-SS2 BANGII-&-MW20-SS3 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANGII-&-MW20-SS2 BANG	DANGB-&-MW20-SSI	DANGII-8-MW20-SS1 88092253	DANGB-8-MW20-SS5 88092252	DANGB-8-MW20-SS2 88081699	DANGB-8-MW20-554
AROMATIC VOLATILE ORGANICS (SW 8020)	W 8020)			•				,
Data Package		123	(2.1	131	63	. 129	#31	, e 31
Benzene	02	2	כ	ם	ם	ח	ם	ر
Chlorobenzene	0.2	מ	n	Ω	ם	n	ם	,
1.2-Dichlorobenzene	P*0	ם	ח	n	כ	ח	D	_
1,3-Dichlorobenzene	FO	D	כ	n	D	מ	<b>&gt;</b>	,
1.4.Dichlorobenzene	0.3	ם	ח	n	D	O	<b>D</b>	_
Ehyl Benrene	0.2	3	n	ם	ם	ח	<b>D</b>	_
Toluen	0.2	1.7	4.4	15	8	390	120	720
Viene	70	.=		-	11		=	-

Table 1.49 Site 8 Sad Page 3A

D. Parameter and Analysis Method	Method Detection Limit	Location/OC No: Sample Depth, (it): Sample Date: Fřeld Sample No.: Lao Sample No.:	SSA0 0-2 7-12-88 DANGII-8-SS-A0	SSA0 DUP 0-2 7-12-88 DANGI-8-S5-G0	SSA1 0.2 7-12-88 DANGH-R-SS-A1 840713999	SSA2 0-2 7-11-88 DANGB-8-SS-A2	SSA3 0-2 7-11-88 DANGU-8-SS-A3	SSB0 0-2 7-12-88 DANGB-8-SS-B0	SSB1 0-2 7-12-88 DANGB-8-SS-B1	SSB2 0-2 7-11-88 DANGB-&SS-B2 88071385
SIEMIVOLATILI: ORGANICS (SW 8270)	(Or:					,*			·	
Data Package										
1.3-Dichloroventene	339		ZZ.	ĭ	¥Z	NN	ĭ	ž	N N	N.
1,4.Dichlorobenzene	8,		ž	ä	XX.	Ä.	ñ	NR.	N.	XX XX
Hexachloroethane	330		ž	ž	ĩ	ž	ž.	NR	NR	N N
Bis(2-chloroethyf)ether	ş		ž	ž	ž	ž	Ä	Z.	NR	X
1.2-Dichkorobenzene	ş		ZZ.	ž	~XX	ž	ž	ñ	N.	NR.
N.F. itroscodinicity lamine	S.		X.	ž	~ N	N.	ž	ZZ.	ž	ž
Bis(2-chloroisopropyt)ether	2		ž :	ž	ž	¥ :	ž	¥ :	N.	X
N.N. arosodi-n-propylamine	8 9		ž i	ž ;	ž	ž	ž :	ž :	ž :	ž
Hevachlorobutadiene	8 8		ž	ž	ž	ž i	ž	ž`!	ž i	ž
1.2.4.1 inchlorobenzene	3 5		ž	ž	ž	z cz	ž	¥ 5	ž	ž
Nitrocentene	3 5		ž	ž	ž	ž	ž	ž	ž	ž
Newtone	3 5		ž g	ž	אָנאַ	ž	ž	ž	X S	ž
Nepometere Bis/2-thomselvingmether	3 2		ž ž	ž	žã	ž	ž	žž	¥ 2	ž
2. Chlomantichalana	3 2		Ž	¥ 2	ž ž	¥ 2	X 2	N. O.	N N	¥ 2
1 exactlomosphospic	3 5		£ 2	ž	ž	d an	4 A	a a	ž	£ 5
Accusobilitylene	23		Z Z	Ž	ž	¥,	ž	í ž	ž	¥ 2
Accomplished	330		ž	ž	ž X	W.	ž	Z	ž	ž
Dimethyl Phthalate	330		ž	N.	NR.	, W	ž	ž	, K	æ z
2.6-Dinitrotoluene	330		ÄN	N.	ž	N.	ĩ	N.	N.	N N
Huorene	330		ž	ä	NR	N.	zz N	ä	NR	X.
2,4-Dinitrotoluene	330		N	zz Z	NR.	N.	ž	ž	NR	N.
Diethyl Phthalate	330		ä	ž	N	N.	MR	N.	NR	N.
N-Nitrosodiphenytamine	88		N.	ž	ž	N.	N.	N.	NR	N.
Hexachlorobenzene	330		N.	ž	Z.	N.	ä	W.	S. A.	<b>AX</b> e ¹ .
Phenanthrene	330		¥.	N.	ž	N N	ž.	X.	N.	N.
Anthracene	33		N.	ž	ž	K.	ž	Z.	Z.	z :
Dibutyl Phthalate	<u></u>		≅ i	Z :	ž	ž :	ž	ž !	z :	z :
Horanthene	8		ž	ž :	ž	ž :	ž	Z :	ž	ž
A-Chlorophenyl Phenyl Ether	3 5		ž	ž	Y ii	ž	ž		¥ 2	ž
Bird Rennd Phihalsie	3 5		ž	ž	ź	Ē	ž	ź	i ž	ž ž
Ric/2.orbythesyllyhelsic	<b>3</b> 5		¥ 2	: :	í ž	2 2	ž	ž ž	<u> </u>	÷ 2
Choxene	26		ž	ž	ž	ž	ž	ž	ž	ž
4.Bromonbenyl Phenyl Ether	330		ž	ž	ž	Z	ž	ž	×	N.
Benzo(a)anthracene	330		XX	ž	N.	ž	ž	~N	XX	N N
Di-n-octy/phthalate	33		ž	ž	ž	N.	ž	ž	NR.	X.
Benzo(h)fluoranthene	330		ž	ä	ž	an An	ž	NN	N.	XX.
Benzo(k)fluoranthene	93 93		XX	, K	ž	¥Z	NR	~N	N.	ž
Benzidine	2000		NR	ž	X.	a a a	ž	N.	ž	ž
3.3.1 Dichlorobenzadine	9,		×	X.	N.	N.	ž	~	χ. X	ž
Benzo(a) wrene	330		N.	Ν̈	ž	an N	ž	N.	ž	¥.
Indeno(1,2,3-ed)pyrene	330		N.	ž	ž	N.	XX	ŽX.	XX.	₹
Datenzo(a,h)anibracene	330		ž	XX.	χ. Ξ	N.	N.	N.	ž.	<b>≆</b>
Benza(ght)peritene	9.7		ž,	₹	ž	≅ N	ž	¥	X.	ž

Table L.19 Suc 8 - Soil Page 313

Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part		Method	Location/OC No:	SSB3	SSCO	SSCI	SSC2	SSC3	SSD0	SSD1	SSD2
Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate   Land   Statisticate	2	<b>Vetection</b>	Sample Depth. (f):	0-5	0.5	,0.2	0.5	0.2	0.5	0.2	67
		Limit	Sample Date:	7.10.88	7.12.88	7-12-88	7-11-88	7-11-88	7-12-88	7-12:88	7.11-88
Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont	Parameter and Analysis Method		Field Sample No.: Lab Sample No.:	DANGB-8-SS-193 R8071381	DANGB-8-SS-C0 8001395	DANGII-8-SS-CI 88071396	DANGII-8-SS-C2 88071390	DANGB-8-SS-C3 88071389	DANGB-8-SS-D0 88071405	DANGB-8-SS-D1 88071391	DANGB-8-SS-D2
1975   200   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2015   2	SEMIVOLATILE ORGANICS (SW &	230)					-				•
1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979   1979	Data Package										
10   10   10   10   10   10   10   10	13-Dichlorobenzene	330		ž	ž	ž	2	2	9	ş	į
19   19   19   19   19   19   19   19	1,4-Dichlorobenzene	8		Z Z	ž	ž	ź	ž 2	¥ 2	ž Š	ž
Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Mari	Hexachloroethane	æ		ž	ž	ž	i z	žž	Y X	žž	¥ 2
Maintaine	Bis(2-chloroethyl)ether	85		NR	, W	ž	i X	Ĩ	Ž	<b>E E</b>	מַצְּי
Mathematic         130         MR	1.2-Dichkorobenzene	330		ž	ĭ	ž	ž	ž	: X	ž	άχ.
State of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	N-Nitrosodimethylamine	330		ž	N.	N.	N.	ž	2	Z Z	87
coor         330         818         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918         918 <td>Uss(2-chloroisopropy1)ether</td> <td>330</td> <td></td> <td>N.</td> <td>ž</td> <td>ž</td> <td>N N</td> <td>ž</td> <td>z z</td> <td>ž</td> <td>X X</td>	Uss(2-chloroisopropy1)ether	330		N.	ž	ž	N N	ž	z z	ž	X X
cot         330         MRI         MRI <td>N-Narosodi-n-propytamine</td> <td>330</td> <td></td> <td>ž</td> <td>ž</td> <td>Ä</td> <td>ž</td> <td>ž.</td> <td>N.</td> <td>ž</td> <td>a an</td>	N-Narosodi-n-propytamine	330		ž	ž	Ä	ž	ž.	N.	ž	a an
1, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Hexachlorobutadiene	330	•	~	ž	~XX	ž	ž	Z X	ž	Ž
330         Mail	1.2.4.Trxhlorobenzene	330	•	ž	ž	NR	ž	ž	N.	a a	ž
1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50   1,50	Nitrobenzene	330		~ X	ĩ	ž	Z Z	ž	ž	Z Z	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
330         MR	1sophorone	8		ž	ž	ž	NR.	ž	Z.	ž	a a
Optimization         310         NRI         NRI <t< td=""><td>Naphthalene</td><td>330</td><td></td><td>N.</td><td>ž</td><td>ž</td><td>N.</td><td>ž</td><td>z z</td><td>Ž</td><td>* X</td></t<>	Naphthalene	330		N.	ž	ž	N.	ž	z z	Ž	* X
other         130         NR         NR <th< td=""><td>Dis(2-chloroethoxy)methane</td><td>33</td><td></td><td>N.</td><td>ž</td><td>ĭN</td><td>N.</td><td>Ä</td><td>N.</td><td>, XX</td><td>, an</td></th<>	Dis(2-chloroethoxy)methane	33		N.	ž	ĭN	N.	Ä	N.	, XX	, an
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	2-Chloronaphthalene	330		NR	ž	~	ĕ	ž	NR	N.	NR
1, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20	11 exact lorocyclopenta diene	330		¥ ₹	~	N.	¥.	ž	NR	NR	XX.
1	Acenaphthylene	8		Z.	ä	ž	¥.	≅	XX.		
1	Acenaphabene	<u> </u>		ž	ž	ž	ž	ž	×	ä	ž.
130   130   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131   131	Dimethyl Phthatate	8 8		ž	ž	ž	ž	ž	XX .	Z.	ž
1,20, 2,20   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M.R.   M	Z.O. Lynnirotoluche	3 5		ž	ž	ž	ž :	ž i	ž	¥.	XX :
Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Marie   Mari	2.4.Dinitariolisme	3 5		ž	ž g	ž	ž	¥ K	ž	ž	ž !
tamine         330         NR         NR <t< td=""><td>Diethyl Phthalate</td><td>33</td><td></td><td>ž ž</td><td>žž</td><td>ž</td><td>ž</td><td>žž</td><td>ž</td><td>¥ 2</td><td>X S</td></t<>	Diethyl Phthalate	33		ž ž	žž	ž	ž	žž	ž	¥ 2	X S
330       NR       =""><td>N-Nitrosodiphenvlamine</td><td>330</td><td></td><td>Z</td><td>ž</td><td>ž</td><td>€. <del>2</del></td><td>ž</td><td>*</td><td>ξ 2.</td><td>ax ax</td></t<>	N-Nitrosodiphenvlamine	330		Z	ž	ž	€. <del>2</del>	ž	*	ξ 2.	ax ax
330       NR       =""><td>Hearthlorobenzene</td><td>88</td><td></td><td>Z</td><td>Z</td><td>ž</td><td>ž</td><td>ž</td><td>ž</td><td>Z Z</td><td>AN.</td></t<>	Hearthlorobenzene	88		Z	Z	ž	ž	ž	ž	Z Z	AN.
330       MR       =""><td>Phenanthrene</td><td>330</td><td></td><td>N.</td><td>ĕ</td><td>ž</td><td>ä</td><td>ž</td><td>Z.</td><td>N.</td><td>X X</td></t<>	Phenanthrene	330		N.	ĕ	ž	ä	ž	Z.	N.	X X
330       NR       =""><td>Anthracene</td><td>330</td><td></td><td>YN .</td><td>Ä</td><td>N.</td><td>N.</td><td>ž</td><td>ž</td><td>NR</td><td>NR</td></t<>	Anthracene	330		YN .	Ä	N.	N.	ž	ž	NR	NR
330       MR       =""><td>Diburyl Phthalate</td><td>330</td><td></td><td>ž</td><td>ž</td><td>ž</td><td>NR</td><td>ž N</td><td>N.</td><td>XX.</td><td>AN.</td></t<>	Diburyl Phthalate	330		ž	ž	ž	NR	ž N	N.	XX.	AN.
330 330 330 330 330 330 330 330 330 330	Nuoranthene	8		ž	¥	~ X	ZZ.	N.	ĸ ĸ	ä	N.
230 330 330 330 330 330 330 330 330 330	4-Chlorophenyl Phenyl Lither	8		z i	ž	ž	ž	¥ X	ž	NR,	ž
330       NR       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR       NR       NR       NR         330       NR	lyrene	S. 5		ž	ž :	ž :	ž	ž	ž i	ž	<u>ي</u>
330 MR MR MR MR MR MR MR MR MR MR MR MR MR	Buyi Benzi Finadale Bis(2-ethybexvi)obthalate	3 2		¥ 2	žž	ž	žž	ž	ž 9	ž g	ž
330 330 330 330 330 330 330 330 330 330	Chosepe	5.		ž	Ž	Ê	Į,	ž ž	¥ 2	£ 9	
330       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR         330       NR       NR       NR       NR       NR         2000       NR       NR       NR       NR       NR         500       NR       NR       NR       NR       NR<	4-Bromophenyl Phenyl Ether	<u> </u>		Ź	ž	ž	ž	ž	¥ 2	žž	žž
330       NR       =""><td>Benzo(a)anthracene</td><td>330</td><td></td><td>≅ N</td><td>ž</td><td>~N</td><td>χ.</td><td>ž</td><td>N.</td><td>N. N.</td><td>N.</td></t<>	Benzo(a)anthracene	330		≅ N	ž	~N	χ.	ž	N.	N. N.	N.
330         NR	Di-n octylphthalate	330		ž	ž	~N	N.	ž	NR	Z.	XX
330         NR	Benzo(b)fluoranthene	330		ž	ž	N	- XX	ž	N.	X.	N.N.
2000         NR         N	Benzo(k)fluoranthene	330		N.	ž	~ N	Ϋ́Ν	χ,	NR	82 82 82	ž
550 NR NR NR NR NR NR NR NR NR NR NR NR NR	Benzidine	2000		ž	ž	ž	N.	N.	N.R.	ž	XX.
MO         NR         NR<	3.3.Dichlorebenzidine	8		χ. Ξ	ž	ĸ	ž	N.	N.	N.	₩.
XX0 NR NR NR NR NR NR NR Y NR Y NR Y NR Y	Benzz(a)ty rene	83		X.	×	≅Z	ž	ž	N.	XX.	N.
NA NA NA NA NA NA NA NA NA NA NA NA NA N	Indeno(1.2.3-ed)pyrene	330		χ.	ž	~	× ×	ž	ž.	χ.	XX.
	Dibenzo(a.h)anthracene	330		ž	ž	ž	ž	ž	∝	₩.	ž

Table L-19 Site 8 - Soil Page 3C

	Markey		CCT3.1 131111	*******	C.LL.	-0.100		-		
	Perceion	Cample Deveth (ft):	10/13/166	Color	of ice	1366	7.Ice	Solution	D-ISS	SSFI
	i i i	Sample Depart (11):	7.0	7:0	7-0	7:0	0.5	0.2	0.5	0.5
		Field Sample No.	DANGB-8-SS-G2	DANGIL&SS-D3	03-88-89-E0	7-12-88 DANGB-8-SS-E1	7:12:38 DANGB-8:55:13	53-11-7 DANGB-8-SS-13	7-12-88 DANGB-8-SS-130	7.12.88 DANGB.&.SS.F1
Parameter and Analysis Method		Lab Sample No.:	88071388	K8071383	88071405	88071400	88071393	88071386	88071401	89071398
SEMIVOLATILE ORGANICS (SW 8270)	7 8270)	,								•
Data Package										
13-Dichlorobenzene	330		¥ N	ž	ž	N.	ž	ä	2	ä
1.4-Dichlorotzenzene	330		N.	ž	ž	X X	ž	ž	ž	ž ž
Hexachloroethane	330		ž	ž	~ ~	Z Z	ž	ž	N. N.	ž
His(2-chloroethyl)ether	330		NR	N.	N.	ž	ž	ž	Z. Z	Z
12-Dichlorobenzene	330		ž	ž	ž	ž	ž	ž	Z	3. X
N-Numsodimethylamine	330		ž	ž	ž	ž	ž	Z Z	* ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	ž
Dis(2-chloroisonrom/)cther	330		Z	ž	·ž	ž	ž	ž	2 2	27
N-Narosodi-n-propylemine	330		ž		Z Z	Z Z	ž	¥ 7	2 2	2 2
l'exachiorobutadiene	330		ž	. X	ž	Z Z	. <del>2</del>	a a	a a	22
1.2.4-Trehlorobenzene	330		ž	: X	ž	i z	ž	E E	£ 2	2
Narobenzene	88		Z Z	Z Z	ž	Z Z	ž	2 2	a a	2 2
isonharane	330		ž	N N	ž	ž	Ž	e e	e e	, a
Naphthalene	02.2		ž	2	2	£ 2	<u> </u>	\$ Q	2 2	4 .X
Nic (2-chlomethow) methans	2		ž	e e	É	1 a 2	<b>1</b> 2	X - 2	K, 2	ž ž
2-Chloropaphibalene	939		ž	ž	É	Î	à a	í è	£ 2	2 2
Hewehlorovelopeniatione	98		ž	ž	Ž	i i	ž	i e	2 2	2 2
Accusphilysene	330		ž	ž	ž	ž	ž	ž	ž	Ž
Acenaphthene	330		N.	N	ž	ž	Z.	N.	N. W.	ž
Dimethyl Phthalate	33		ž	N N	ž	an an	ž	· F	, K	ž
2.6-Dinitrotoluene	330		ZZ.	ĭ	ž	XX	, X	Z.	NR	N.
Fluorene	330		XX.	≅Z	XX.	ä	NR.	N.	NR	ž.
2.4-Dinitrotoluene	330		ž	ĕ	~ N	N.	z Z	N.	N.	N.
Diethyl Phthalate	330		XX.	ĕ	ž	N.	ä	Z.	NR	EZ.
N-Nitrosodiphenylamine	æ		ž	ž	ž	NA NA	Z,	"	X.	EZ
Hexachlorobeazene	330		N.	ž	ž	N.	ž	a a	X,	Ä
Phenanthrene	330		N.	N.	~	N.	Ä	Z Z	A,	ž
Anthracene	330		ž	ZZ	ž	NR.	Z.	NY	N.	N.
Dibutyl Phthalate	88		ž	ž	ž	Z.	ž	NR.	N.	Z.
Huoranthene	930		ž	ž	ž	N.	ž	ž	NR.	Z
4-Chlorophenyl Phenyl Liner	93		z i	ž :	ž :	æ !	ž :	ž	ž	프 기
lyrene	og s		ž i	ž i	ž	e i	ž i	ž i	ž i	ž :
Buryl Denzyl Futhalate	3		ž	YN :	ž	¥ :	ž	YK.	¥ !	X :
lis(2-cthythexyt)phthalate	8		ž.	ž i	ž	ž	ž	ž	ž :	ž
Chrysene	3		ž.	¥ .	ž	ž	ž i	¥ !	¥.	ž
-tstonophenyl Phenyl Elber	9		ž	ž	ž	ž	ž	ž	ž	ž
nenco(a)zminiacene	<b>X</b> :		ž i	ž	ž	ž.	ž	ž	, i	ž
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Henzo(b)fluoranthene	8		ž	ž i	ž	¥.	ž	ž	ž	ž.
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The second second second	2.6		¥ 9	£ 9	£ 5	£ #	<b> </b>	£ 5		
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Table 1, 19 Site 8 - Soil Page 3D

March 1985-91   DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH 1985-91-12 DANCH		Method Detection Limit	Sample Depth, (ft): Sample Depth, (ft):	55FI DUP 0.2 7-12-88	SSI:2 0.2 7.12.88	55/73 0.2 7.11.88	MW14.5S1 0.1 8.8.88	MW14.533 10.12 8.8.88		MW14 R-SS3 10-12 8-31-88	10-12 8-31-88
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## 1990	SEMIVOLATILE ORGANICS (SV	V 8270)									
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cene         330         NR         NR         NR         NR         OI           Phibblate         330         NR         NR         NR         01           ophenyl Phenyl Elber         330         NR         NR         NR         01           renyl Phibblate         330         NR         NR         NR         01           renyl Phibblate         330         NR         NR         NR         01           renyl Phibblate         330         NR         NR         NR         01           ophenyl Phenyl Elber         330         NR         NR         NR         01	Phenanthrene	2		N.	N.	N.				ñ	_
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three         330         NR         NR         NR         UI           cpbcmyl Phenyl Eher         330         NR         NR         NR         UI           cnzyl Phinalate         330         NR         NR         NR         UI           hybresyl Phenyl Eher         330         NR         NR         UI           nc         330         NR         NR         UI           nc         330         NR         NR         UI           sylphthalate         330         NR         NR         NR           sylphthalate         330         NR         NR         UI           sylphthalate         330         NR         NR         NR           sylphthalate         330         NR         NR         NR           sylphthalate         330         NR         NR         NR           sylphthalate	Daburyi Phihalaic	330		NR	NR	N N				ö	_
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330 NR NR NR NR NR NR NR NR NR NR NR NR NR	Bis(2-cthylhexyl)phihalaic	99		ž	ž	ž				5 5	۔ د
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330 NR NR U- 1. MO NR NR U-	Benzo(a)pyrene	33.0		NR	N.	ž				5	_
NR NR NR O	Indeno(1.2.3-ed)pyrene	330		ĭ	ž	¥Z.				Ď	
	Dibenzo(a.h)anthracene	330		×	~	ž				=	

Table L.19 Site 8 - Soil

	Method Detection Limit			MWI6-SSI 0-1 8-01-8 DANGB-8-MWI6-SSI	MWIGSS2 MWIGSSS 4-5 29-30 8-10-88 8-10-88 DANGB-8-MWIGSS2 DANGH-8-MWIGSSS	MWI6-SS6 29-30 8-10-8 DANGII-8-MWI6-SS6				M DANGB-&-M
Parameter and Analysis Method		Lab Sample No.	80/180/8	E8081752	88081753	88031754	88081005	88081606	88081697	88081749
SEMIVOLATILE ORGANICS (SW 8270)	(8270)									
Data Package										
1.3-Dichlorobenzene	9X									
1,4-Dichlorobenzene	339									
Hexachloroethane	330									
lis (2-chloroethyl)ether	330									
1.2-Dichlorobenzenc	330									
N-Hitrosodimethylamine	330									
Bis(2-chloroleopropyl)cher	330									
N-Nitrosodi-n-propylamine	330									
Hexachlorobutadiene	330									
1,2.4-Trichlorobenzene	330									
Nirobenzene	8									
Isophorone	8									
Naphthalene	97									
Bis(2-chloroethoxy)methane	97							•		
2-Chloronaphthalene	er :							•		
	97 F				1 117	1,000	I viola	1 450	1-10/4	I eloX
Accusphilylene	8		Note i.	Note 1.	Note 1.	Note I.	אסום וי	T DION	1 2001	יו אוסור
-	9 F									
S Dimethyl Phihalaic	96									
Zo-Dinitrotoluene	25									
7 tolories	3									
Carling Parale	8 8									•
N. Witness der bem demine	2 5									
Herreklondynamine	3 5								-	
nexachiotechicise	3 5									•
Phenauthrene	<b>3</b> 5									
Dinistence	e e									
Fluoranthene-	330			•						
4-Chlorophenyl Phenyl Ether	330			ı					•	
Pyrene	330									•
Butyl Benzyl Phthalate	æ									
Bis(2-cthylhexyl)phthalate	330									
Chrysene	330									
4-Bromyphenyl Pheayl Ether	330									
Henzo(a)anthracene	330						*			
Di-n-octylphthalate	330	,							•	
Denzo(b)fluoranthene	330									
Benzo(k)fluoranthene	330								•	-
Benzidine	2000									,
3.3. Dichlorobenzidine	92								•	
henzo(a)jyrene	01.	*								
Indeno(123-ed)pyrene	O									
Dakenzo(a,h)anthracene	8.5									
nen/o(gn)]wiyiene	2									

December   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Pro	Method INICS (SW								, , , , , , , , , , , , , , , , , , , ,	
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300         300         90           store         300         Note 1.         Note 1. <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>, ~</td><td>; ≈</td><td></td><td></td></t<>							, ~	; ≈		
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Parameter and Analyzis Method  SEMIVOLATILE ORGANICS (SW 8270) Conf Benzyl Alcohol Ackiephenone 4-Aminodophenyl 4-Chloroandine 4-Chloroandine 1-Chloroandine Debenzofuran 330 P-Dimethylaminoazobenzene 7,12-Dimethylaminoazobenzene 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Dipherylamine 1,2-Naphthylamine 1,0-Dipherylamine	Fired Sample No.: Lab Sample No.: Ninued page 2	NR NR NR NR NR NR NR NR NR NR NR NR NR N	DANGH&SSCC 8971394 NR NR NR NR NR NR NR NR NR NR NR NR NR	DANGII-8 SSO7139999 8807139999 NR NR NR NR NR NR NR NR NR NR NR NR NR N	B8071387	DANGII-8-58-A3 88071381	DANGB-8-SS-110 88071397	DANGB-8-SS-BI 88071403	DANGB-8-SS-B2
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lfan Sulfate		ž	ž	N.	ž	ž	ž	ž	<del>~</del> .
		ž	ž	ž	×	ž	×	ž	¥.
Endrin Aldehyde 1000		XX.	X X	× ×	ž	ž	ž	¥N	NR

Table L. 19 Sue 8 - Soil Page 413

	Method	Location/QC No:	SSIN	SSS	SSCI	SSC2	SSC	SSD0	IGSS	SSD2
	Detection	Sampee Depth, (ft):	0.5	0-2	0.5	0.5	. 0.2	0.5	0.5	65
	Limit	Sample Date:	7-10-88	7.12 88	7.12.88	7-11-88	7-11-88	7-12-88	7-12-88	7-11-88
Farameter and Analysis Method		Field Sample No.: Lab Sample No.:	DANGII:8:SS-133 8:071381	DANGII 8-SS-C0 88071.795	DANGIP-8-SS-CI R8071396	DANGD-8-SS-C2 88071390	DANGB-8-SS-C3 88071389	DANGB-8-SS-D0 89071405	DANGB-8-SS-D1 88071391	DANGB-8-SS-D2 88071382
SEMIVÓLATILE ORGANICS (SW 1270) Conlinved page 2	8270) Continu	ued page 2				-				
Benryl Atcobal	935		ž	N.	¥N.	ž	ä	ž	ž	an.
Acetophenone	•		N.	ž	ž	N.	ž	ž	ž	ž
Aniline	٠		NR	N.	ž	ž	ZIN	ĸ	Z Z	ž
.4-Aminobyphenyl	•		ž	žĭ	ž	ž	ž	NR	X X	ž
4-Chloroandine	ş		N.	ž	N.	ž	N.	NR	N.	Z.
1-Chloronapahahalenc	•		XX.	ž	ž	ž	ž	NN	N. N.	Z Z
Divinzofuran	330		ž	ä	ž	ž	ž	NR	N.	Ä
p-Dinkthylaminoarobenzene	•		~	ZZ.	N.	ž	N.	ZZ.	N.	, ž
7,12-Directly Benz(a) anthracene	•		ž	ZZ.	ĸ	ä	N	NR	N.	N.
a Dimethylphenethylamine	•		ž	ä	N.	ž	YZ.	N.	NR	N.
Dipheir Jamine	•		ž	ä	NR	ž	ž	N.	N.	Z.Z.
1.2.Dy nenythydrazine	•		ž	ž	N	NR	ž,	N.	N.	N.R.
Ethylmethanesulfonate	•		ž	ž	ž	ž	ž	N.	N.	N.
3-Methylcholanthrene	•		~	ž	N.	ä	N N	ä	NR	NR
Methylmethanesulfonae	• ;		ž	ž	N.	ž.	ž	X.	N.	A'N
Z-Methylnaphihaiche	SE.		ž i	ž	ž	≝ :	ž	ž	XX XX	NR.
1-Naphingtamine	•		ž	ž	ž	ž	ž	ž :	EN :	ž
Z.Nimanife	. 8		ž	ž ž	ž	ž ž	ž	ž Š	z z	X 9
3-Name miline	9		<b>Ž</b>	£ 2	ź	ź	ž ž	ž	¥ 2	א א מא
4-Nuroantine	8 8		ź	ž	ž	ž	ž ž	X X	ž ž	ž ž
N-Nitroso-di-n-butylamine	•		NR	~N	NR	NR	N.	NR	N.	N. N.
N-Natrosopiperidiene	•		X.	N.	ž	N.	Ä	N.	NR	N.
Pentachlorobenzene	•		ä	N.	NR	ĭ	AN AN	N.	AN.	N.
Pentachloronitrabenzene	•		ž	ž	ž	ĭ	Ä	Ä	NR	N.
Phenacetin	•		ž	¥ :	ž :	ž	K.	XX	N.	XX.
Z-Frouinc	•		¥ :	ž :	¥ :	¥ i	ž	ž	Z.	ZZ.
Pronamide	•		ž i	ž	ž	ž	ž i	ž i	X :	Z :
Adrin			ŧ z	ž	ž	ž	ž	ž	ž	ž
Alpha-BHC	•		Z.X	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	ž	ž	ž	ž	ž Ž	Z Z
Beta-BHC	3		N.	ž	ä	ž	¥	NR	N.	ž
Deha-BHC	æ		~	ž	ž	ä	₩ X	N.	NN RN	NR
Gamma-BHC	8		<b>≅</b>	ZZ.	ä	ž	¥	ž	NR R	XX.
Chlordane	330		ZZ.	ž	ž	ž	ž	N.	N.	N.
000:57	ş		ž	ž	Z.	ž	¥ N	N.	N.	X.
4,4*DDE	•		ž	≃ Z	X X	ž	ž	NR	X.	ZZ.
4,4"10101	8		≃ Z	N.K.	ž	ž	N.	N.	NR.	XX.
Dieldrin	1000		ž	ž	NR.	ZZ.	N.	ZZ.	<b>X</b>	¥,
Endosulfan I	•		ž	ž	N.	ž	×	XX.	NR.	æ Z
Endosultan II	• ;		ž	ž	ž	¥ N	ž	¥X	Z.	ž.
Endosulian Sulfate	8		ž	ž.	ž	ž	ž	ž	ž	ž
Ladna	2		ž	ž	ž	ž	ž.	ž	ž.	ž.
lindra Aldehyde	<u>8</u>		ž.	ZZ.	NR	ž	ZZ.	ž	X.	ž

Table L. 19 Sue 6 - Soil Page 4C

Proceeding	7-11 DANGB-8-SS	0.2	0.5	65	0.5	0.5	0.5	0.2
Line   State   Control   Line   State   Control   Line   State   Control   Line   State   Control   Line   State   Control   Line   State   Control   Line   State   Control   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line   Line	7-11 DANGB-8-SS				1		•	*
	DANGB	7-11-88	7.12.83	7.12.88	7.12.88	7.11.88	7.12.88	7.13.80
Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lange   Lang		DANGE-8-SS-D3	DANGB-8-SS-E0	DANGIL&SS-EI	DANGB-8-SS-E2	DANGB.	DANGB-8-SS-F0	DANCTA-&SS-F1
11		88071383	86071406	88071400	88071393		88071401	88071398
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Mathematical Color	N	NR	ž	ä	ž	ž	NR	N.
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Table L.19 Site 8 - Soil Page 4D

					,	•			61.01	10:12
	Detection	Sample Depth, (ft):	0.5	0.5	0.5	0-1	10.12	10.12	71-01	
	Limit	Sample Date: Field Sample No.:	× 7-12-88 DANGB-8-SS-GI	7-12-88 DANGIP-8-SS-F2	7-11-88 DANGII-&SS-F3	88-88 DANGB-8-MWI4-SSI	8.8-88 DANGII-8-MWI4-553	8-8-88 DANGB-8-MWI4-SS9	8-31-88 8-31-88 DANGB-&MW14-SS3 -, DANĞB-&MW14-SS9	8-31-88 DANGB-8-MW14-SS9
Parameter and Analysis Method		Lab Sample No.	88071392	88071402	88071380	88031706	70718088	88081709	88092250	88092251
SEMIVOLATILE ORGANICS (SW 8270) Continued page 2	W 8270) Contin	ued page 2					•			
Benny Almbol	079		ž	ž	ž				=	
Delicy Checker	3		ŧ,	<b>E 9</b>	<b>E 9</b>				5 5	5 5
Acetopherwine	•		ž	YK.	ž				<b>5</b>	•
Aniline	•		ž	ž	ž				5	5
4-Aminotyphenyl	•		ź	ž	ž				ä	5
4-Chloroaniline	8		××	ž	ä				ä	5
1-Chloronaphhhalene	•		Z.	ž	ž				ö	
Dibenzófuran	330		NR	ž	ž				ä	5
p-Dimethylaminoarobenzene	•		ž	ž	ž				ö	5
7 12.O imalwhens(a) subpreme	•		Ž	ž	. <del>2</del>				5	
A Commend and market and a comment			¥ \$	<b> </b>	<u> </u>				5 =	5 =
a.a.Dimethylphenethylanine	•		ž	ž.	ž				5 :	
Diphenylamine.	•		ž	ž	ž				ö	5
1,2-Diphenylhydrazíne	•		ž	ž	ž			•	5	5
Ethylmethanesullopate	•		X.	ž	ž			•	5	5
3-Methylcholanthrane	•		N.	ž	ž				5	õ
Methylmethanesulfonate	•		¥N	Ν.	ž				5	5
2-Methylnaphthalene	330		ž	, N	ž	Note 1.	Note 1.	Note I.	5	ä
1-Naphthylamine			ž	N.	ž				5	ö
2-Naphthylamine	•		ž	ž	ž				5	5
2-Nuroaniline	1600		ž	Ä	ž				ñ	ö
3-Nitrosniline	0091		ž	ž	~Z				5	ö
4-Naroaniline	0091		NR	ž	ž		•		5	5
N-Nitroso-di-n-butylamine	•		NR.	ž	ž				5	5
N-Nitrosopiperidiene	•		ž	ž	ž				5	õ
Pentachlorobenzene	•		ă.	ž	ž				ຣ	ä
Pentachloronitrobenzene	•		N.	ž	ž				Ď,	<del>i</del>
Phenacetin	•		~	N.	. XX				ä	5
2-Picoline	•		N.	ž	ž				ä	5
Pronamide	•		ž	ž	ž				5	<b>5</b>
1,2,4,5-Tetrachlorobenzene			ž	ž	N.				5	<b>5</b>
Aldrin	•		ž	ĭ	ž				5	5
Alpha-BIIC	•		N.	ZZ.	ž				5	5
Beta-BHC	88		ž	NR	ž				ä	5
Delta-BHC	330		ž	ĩ	ž				5	5
Gamma-BHC	8		NR	NI.	ž				5	ä
Chlordane	330		ž	NR	ž				5	Š
4,4.000	330		NR	ĭ	ž				5	<del>ວ</del>
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4,4:DDT	8		~	¥N	N				ij	5
Dieldrin	1000		NR	¥N	NR		-		ă	5
Endosultan I	•		×	NR	×				5	5
Endosulfan II	•		N.	ž	ž				÷	5
Endosulfan Sulfate	\$00		NR	N	ž				ő	<b>5</b>
Endrin	06% 7430		ž	Z.Z.	~N				5	÷
Fodon Aktebwie	1000		¥2	ž	ž				5	Đ

Table I. 10 Site & Soil Page all

ı	Method	Location/QC No:	WW14-SS8	MWI6-SSI	, MWI6-SS2	MW16-556	MWI&5SI	MW18-SS2	MW18-SS3	ISS-6IMW
	Detection	Sample Depth, (ft):	38-40	3	\$*\$	20:02	0.5	8.11	14-15	0.5
	Limit	Sample Date:	8-8-88	8-10 88	8-10-83	8-10-88	8-5-88	8-5-88	8.5.8	8-10-88
Parameter and Analysis Method		Field Sample No.: Lab Sample No.:	Field Sample No.: DANGB-8-MWI4-SS8 Lab Sample No.: R8081708	DANGB-&MWI6-SSI 88081752	DANGB-8-MWI6-SS2 88081753	DANGB-8-MW16-S%6 88081754	DANGB-8-MW	DANGB-8-MW18-SS2 88081696	DANGB-8-M	DANGB-8-MW19-SS1 88081749
SEMIVOLATILE ORGANICS (SW 8270) Continued page 2	W 8270) Continu	ucd page 2								
Benzyl Alcohol	8									
Acetophenone	•									
Aniline	•									
4.Aminobyphenyl	•									
4-Chloroantine	99									
1-Chioronapiththatene	•									
Dibeta Jran	330									
p-Dimethylaminoazobenzene	•									
7,12-Dimethy&cnz(a)anthracene	•									
5.3.Dimethylphenethylamine	•						`			
Diphenylamine										
1.2-Diphenythydrazine										
Elhylmethanesulfonate	•									
3-Methylcholanthrene	•									
Methylmethanesulfonate	•									
2-Methylnaphthakene	330		Note 1.	Note 1.	Note 1.	Note 1.	Note 1,	Note 1.	Note 1.	Note 1.
I-Naphthylamine	•									
2-Naphthylamine	•									
2-Nitroaniline	1600									
3-Natroamline	1600									
4-Nitroaniine	0001									
N-Nitroso-di-n-butylamine	•									
N-Nurosopiperidiene	•									
Pentachlorobenzene	•									
Pentachloronitrobenzene	٠									
Phenacetin	•									
2-Picoline	•						•			
Pronamide	•									-
12,45-Tetrachlorobenzene	•									
Aldrin	•									•
Alpha-BHC	•									
Beta-BHC	999									
Delta-BHC	330									
Gamma-BHC	88								٠	
Chlordane	330								*	
44:000	330									•
4.4. ODE	•									
44.DDL	8									
Dieldrin	1000									
Endosulfan I	•									
Endosulfan II	•									
Endosulfan Sulfate	88	•								ā
Endrin	830									
Endrin Aldehyde	1000									

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Table L-19 Site 8 - Soil Page 41?		•				,				•
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	Method	Location/OC No:	MWI9-SS2	ESS-61WM	MW20-SS1	MW20 R-SS1	MW20 R-SSI DUP	MW20-	W	75.
	Leteral	Sample Depth, (u.):	C1:-C0		1.50 1.50 1.50 1.50	7.0	7.0			503
		Field Sample No.:	DANGB-8-MV	DANGB-8-MW19-SS3	DANGB-&MW20-SSI	DANGE-RMW20-SSI DANGE-RMW20-SSI	DANGIB-8-MW20-SSS	8 8-5-88 5 DANGB-8-MW20-SS2	DANGB-&MW	85.88 70.554
Parameter and Analysis Method		Lab Sample No.		88081751	86081608	88072253	88092252	- 1		8
SEMIVOLATILE ORGANICS (SW 8770) Continued page 2	8270) Continue	d page 2								
Benzyl Alcobol	99						ם	5		
Acetophenone	•						,	; 5		
Aniline	•						ם	ü		
4-Aminobyphenyl	•						5	=:		
4-Chloroaniine	93						<b>=</b>	5		
1-Chloronaphinalene	` ;;							5 :		
o. Dumethylaminosodaesee	₹ '						<i>-</i>	5 :		
7 12. Dimethylaminoscocuscus	•						· ·			
a.a.Dimethylphenethylamine	•						<b>7</b>	5 5		
Diphendamine	•						5 2	•		
1.2.Dinhemdhydarine	•						) <u> </u>	5 <b>=</b>		
Ethylmethanesulfonate							5 5			
3-Methylcholanthrene							כס	; 5		
Methylmethanerulfonate	•						5			
2-Methylnaphthalene	330		Nate 1.	Note 1.	Note 1.	Note 1.	ij	i Note 1.		Note 1.
1-Naphthylamine	٠						2			
2-Naphthylamine	•						<b>3</b>	5		
2-Nitroaniline	0031						ס	ŭ		
3-Nitroaniline	0091						כי	5		
4-Nitroaniline	891						<b>3</b>	<b>S</b>		
N-Nitroso-di-n-butylamine			•	×			=	<del>S</del>		
N-Nitrosopipendiene	•						<b>7</b>	<b>5</b> :		
Fentachloronimicalente	, ,						2 2	5 5		
Phenacetin	•						) =	; =		
2-Picoline	•						) <u> </u>			
Pronamide	•						, ,	; <del>5</del>		
1,2,4,5-Tetrachlorobenzene	•						כ	ព		
Aldrin	٠						)	. 5		
Alpha-Blic	•						)	5		
Beta-BHC	030						•	5		
Delta-BHC	330						ב	in		
Gamma-BHC	8						<del>-</del>	<b>.</b>		
Chlordane	2 1						<b>D</b> :	5 :		
4,4-0,000	97						<b>5</b> ;	<u> </u>		
4.4.DDE	' {						<b>)</b>	5 :		
4,4*DDT	8 9						<b>,</b>	<b>5</b> :		
Dietann	<u> </u>						2 :	5 5	•	
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Endon Sulate	3					*	? =			
Ending Altebate	8 2						•	· =		
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	Method	Location/GC No:	SSA0	SSA0 DUP	SSAI	SSA2	SSA3	SSB0	IBSS	SSB2
	Detection	Sample Depth. (ft):	0.5	0.5	0.5	0.5	0.5	0.5	0.5	6.5
•	Limit	Sample Date:	7.12.88	7.12.88	7.12.88	7-11-88	7-11-88	7.12.88	7.12.88	7.11.88
		Field Sample No.:	DANGB-RSS-A0	DANGB-8-SS-G0	DANGB-8-SS-A1	DANGB-8-SS-A2	DANGB-8-SS-A3	DANGB-8-SS-B0	DANGB-8-SS-BI	DANGB-8-SS-B2
Parameter and Analysis Method		Lab Sample No.:	10112033	88071394	880713979	18071387	88071384	88071397	88071403	88071385
SEMIVOLATILE ORGANICS (SW &270) Continued page 3	W 8270) Continu	ecq bate 3								
Heprachlor	٠		N.	Ñ	ž	Z.	ž	N.	N.	ž
Heptachlor Fpoxide	٠		N	Z.	žv.	ž	N.	ž	XX.	NR.
Kepone	2000		ž	ž	ž	N.	. NR	N.	N.	NR
Methoxychlor	•		N.	ž	NR.	ĭN	ĭ	ž	ž	N.
Tovaphene	2000	•	ZN.	~N	NR	≅N	N.	ĭ	NR.	N.
Aroctor 1016	2000		N.	ĭ	~~	ĭ	N.	NR	ž	Z.
Aroclor-122i	2000		Z.	ž	an SN	ä	ž	ä	N.	N.
Aroctor-1232	2000		RN	N.	~	N.	N.	ä	N.	N.
Aroctor-1242	2002		N.	ž	Z.	ĭ	Ä	N.	N.	N.
Aroctor-1248	2000		NR	ž	ž	ĭ	~N	and and	N.	NR
Aroctor 1254	2002		NA NA	¥N	ž	N.	Ñ	N.	ž	N.
Aroctor-1200	2002		AN.	ž	ž	N.	×× · ·	¥N	Z.	XX.
2-Chlorophenol	330		N.	ž	ž	ä	ž	XX.	N.	NR
2-Nitrophenol	330		N.	Ä	N.	ž	ž	ž	NR	NR
Phenol	જ		ž	NR	ž	ZX.	ž	XX	Ä	NR
2.4-Dimethylphenol	330		N.	ž	N.	ž	Z.	N.	N.	N.
2.4.Dichlorophenol	330		NR	ZX.	ž	NR	Y.	N.	XX	æ
→ 2.4.6-Trichlorophenol	330		Z.	NR	N.	N.	N.	N.	N.	X.
4-Chloro-3-methylphenol	93		ZZ.	N.	Z.	ž	~X	NR	N.	RN
24-Dinitrophenol	0031		N.	NR	ZZ.	YK.	ž	ä	N.	NR.
2.6-Dichlorophenol	•		AN.	ž	ž	NR	ž	NR.	ž	A.
2-Methyf-4,6-dinurophenol	1600		NR	N.	ž	≅ N	N.	a a	NR	N.
Pentachlorophenol	0031		N.	¥.	ĭ	YN.	YK.	N.	X.	ጸጃ ሕ
4-Nitrophenol	1000		rn R	XX	ĩ	NR	¥N	N.	N.	NR
Benzoic Acid	0091		NR	N.	ZZ.	¥N	ž	××	N.	NR
2-Methylphenol	330		NR	ž	Z.	N.	~X	XX	N.	XX.
3&4.Methylphenol	33		ž	XX	NR.	~	Ä	N.	an N	N.
2.3.4.6-Tetrachlorophenol	•		Z.	NR	N.	Ä	₩ N	N.	ž	NR.
2.4.5-Trichlorophenol	330		NR	ž	NA NA	ĭ	ž	N.	N.	NR

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Table 1,-19 Site 8 - Soil Page 511									:	• ;
	Method	Location/QC No:	SSB3	ooss	SSCI	SSC2	SSC3	OCISS *	IOSS	SSD2
	Detection	Sample Depth. (ft):	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Limit	Sample Date:	7-10-88	7-12-88	7.12.88	7-11-88	7-11-88	7-12-88	7-12-88	7-11-88
		Field Sample No.	DANGB-8-SS-B3	DANGB &SS-CO	DANGB-8-SS-CI	D/,NGB-8-SS-C2	DANGB-8-SS-C3	DANGB-8-SS-120	DANGB-8-SS-D1	DANGB-8-SS-D2
Parameter and Analysis Method		Lab Sample No.:	88071381	88071395	88071396	88071390	88071389	88071405	88071391	88071382
SEMIVOLATILE ORGANICS (SW 8270) Continued page 3	W 8270) Contin	ned page 3			•			•		,
lax achier	•		ž	ž	ž	N.	ž	N.	,	ž
Heptachlor Epovide	•		N.	NR	ž	and and	ž	ž	X X	. NR
Kepone	2000		N	an R	ž	≅ N	ĕ	ĭ	NR	N.
Methoxychlor	•		N	ž	ž	ž	ž	ž	NR	ž
Tovaphene	2002		~N	XX.	ž	≅ N	XX.	z z	N.	NR
Arxlor-1016	2000		N.	N.	ž	N.	ž	ž	N.	ž
Aroctor-1221	2000		N.	N.	ž	N.	N N	N.	, X	XX XX
Arodor-1232	3000		N.	N.	ž	ž	ž	A.	N.	XX
Arockor-1242	2000		N.	űZ	ž	N.	ZN.	N N	N.	NR
Aroclor-1248	2000		ž	ž	ž	₩ N	W W	N.	AN.	N.
Aroctor-1254	2000		N.	NR	ž	¥Z	an N	¥N	N.	¥Z
Aroclor-12/0	2000		NR	ž	N.	Ĭ	N.	₩ K	N.	NR
2-Chlorophenoi	330		NR	ä	ĕ	Ä.	ž	¥	NR	N.
2-Nitrophenol	330		NR	NN NR	NR	NR	NR	NN NN	NR	, z
Phenol	33		NR	Ä	N	ž	N.	NN NN	NR	ä
2,4-Dimethytphenol	330		N.	ž	ž	ž	ž	N.	NR	N.
2,4-Dichlorophenol	330		NR	ž	ž	N N	ž	ž	NR	ZZ.
2.4.6-Trichlorophenol	330		Ä	ž	N	XX.	ž	Ä	NR.	ž
4-Chloro-3-methylphenol	98		NR	ž	Ä	ž	~	Z.	N.	ZZ.
2,4-1) initrophenol	0031		N.	ĭ	ž	ĭ	ž	ž	SZ.	ž
2.6-Dichlorophenol	Ī		NR	Ä	Ä	ž	¥N.	¥.	N.	XX
2-Methyl-4,6-dinitrophenol	1600		NK	ä	XX	Ä	₩	ž	NR	N.
Pentachlorophenol	1600		NR	ž	ž	ž	ž	¥ N N	ĸ.	Z.
4-Nitrophenol	091		ĭ	N.	ž	ž	Ä	ž	NR.	ž.
Benzoie Acid	0031		NR	N	NR	ž	Ä	ä	NR.	AN.
2-Methylphenol	330		NR	ä	NR	ž	ž	≅ Z	XX	A A
3&4.Methylphenol	330		N	Ä	ĕ	Ä	Ä	ž	N.	Z.
2,3,4,6-Tetrachlorophenol	•		¥N.	ž	ž	ž	ž	N N	N.	XX.
2.4.5.Trichlorophenol	330		XX.	ž	Ä	ž	ä	ž	XX.	, an

Method         Location/OC No: Detection           Detection         Sample Depth. (it): Limit           Sample Depth. (it): Limit         Sample Date: Field Sample Noz.           Parameter and Analyzis Method         Lab Sample Date: Field Sample Noz.           SEMIVOLATILIZ ORGANICS (SW &270) C.m.inved page 3           Heptachlor         Lab Sample Noz.           Toxaphere         2000           Arcelor-1213         2000           Arcelor-1224         2000           Arcelor-1232         2000           Arcelor-1234         2000           Arcelor-1235         2000           Arcelor-1248         2000           Arcelor-1248         2000           Arcelor-1248         2000           Arcelor-1249         330           Arcelor-1240         330           2-Chlorophenol         330           2-Albichorophenol         330           2-Albichorophenol         1600           2-Albichorophenol         1600           2-Methyla-4-dimitrophenol         1600           2-Methyla-4-dimitrophenol         1600           2-Methyla-4-dimitrophenol         1600           2-Methyla-4-dimitrophenol         1600           2-Methyla-4-dimitrophenol	DANGB-8507	SSD3 0-2 7-11-83	SSE0 0-2	SSE1	SSE2	SSE3 0-2	SSF0 0-2	SSF1
Detection   Sample Depth, (ft):   Limit   Sample Date:		[-7. 2.9.00N	0.5	0.2		0.5	0.5	ć
Limit Sample Date: Field Sample No.2.  IE ORGANICS (SW 8270) C.n.,inued page 3  Aide 2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000  2000		200			7.5			7.0
Field Sample No.2, Li ORGANICS (SW 8270) C.n., inued page 3 Li ORGANICS (SW 8270) C.n., inued page 3 Li ORGANICS (SW 8270) C.n., inued page 3 Li ORGANICS (SW 8270) C.n., inued page 3 Li ORGANICS (SW 8270) C.n., inued page 3 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Cooperation of 2000 Li Co		DANGE 8 CC.D3	7.12.88	7.12.88	7-12-88	7-11-88	7.12.88	7-12-88
Analysis Method  Ji ORGANICS (SW 8270) C-21-invect p  side 2000 2000 2000 2000 2000 2000 2000 200		COLCONATION INC.	DANGB-8-SS-E0	DANGB-8-SS-EI	DANGB-8-SS-E2	DANGB-8-SS-E3	DANGB-8-SS-F0	DANGB-8-SS-F1
JE ORGANICS (SW 8270) Concinued page 3  side 2000 2000 2000 2000 2000 2000 2000	NR NR	88071383	88071406	88071400	89071393	880)1386	88071401	88071398
	NR NR NR			٠.			<i>,</i>	•
side 2000 2000 2000 2000 2000 2000 2000 200	N N	NR	NR	ž	ž	N.	ž	XX
2000 2000 2000 2000 2000 2000 2000 200	N.	ž	ž	ž	ž	ž	Z.N	N.
2000 2000 2000 2000 2000 2000 2000 200		N.	ž	ž	ž	ž	N.	N.
noi noi noi kenoj kenoj si noi itrophenoi noi	ž		ž	AN.	ž	ž	N.	NR
noi noi noi henoi senoi noi noi noi noi	N.	ž	ž	XX.	ž	ž	NR	XX
nol nol henol henol ol nol itrephenol	ž	ž	z Z	XX.	ž	≅ Z	NR	XX XX
nol not henol ylphenol ol nol nol	N.	N.	ž	EN.	ž	≅ N	N.	NR
nol not henol ylphenol ol nol itrophenol	ž	ž	ž	ž	ž	ž	N.	ž
nol not henol ylphenol ol nol itrophenol nol	N.	ž	ž	ž	ž	NN NR	N.	N.
noi noi nenoi yiphenoi oi noi itrophenoi noi	N	₹	ž	N.	ž	N.	AN.	N.
noi noi henoi yiphenoi oi noi tirophenoi	ĸ	¥N	ž	~ XX	ž	N.	an RN	N.
nol nol nol henol senol senol senol incephenol senol nol nol	ž	ž	ž	NR	ž	N.	N.	X.
nol nol cenol cenol sin sin sin sin sin sin sin sin sin sin	NR	NR	ĭ	ž	ž	หห	N.	N.
nol nol henol yiphenol ol inciphenol	N	NR	พห	ä	N.	NR	N. N.	N. XX
nol nol henol ylphenol ol incphenol nol	Ä	¥N	NR	NR	ž	AN.	N.	N.
not henol ylphenol ol nol itrophenol nol	žX	XX	N.	N.	ĭ.	นั้น	NR	AN.
henol ylphenol ol nol itrophenol nol	ž	ž	ZX.	Ä	N.	NR	N.	N.
ylphenol ol nol itrophenol nol	NR	ž	ž	ĸ	ž	NR.	N.	ž
ol Rol itrophenol nol	N.	ž	ZZ.	ž	ž	NN SN	XX	N.
nol itrophenol nol	ž	N N	N.	~	ž.	XX.	W.	NR
irrophenol nol	ZZ.	N.	×	Z.	ĩ	ä	N N	N.
loo	N.	NR.	ZZ.	NR RR	ž	N.	ź	, NR
	N.	ĸ	ž	NR	ž	N.	XX.	NR.
	ž	ž	ž	N.S.	~	ä	N.	Y.
	NR	XX	ZZ ZZ	NR	ĩ	N.	X.	ŇR
	~	×	ĭ	ž	ž	ä	N.	XX.
3&4-Methyphenol	NR	Ä	ž	NR	N	N.	N.	NR
2,3,4,6-Tetrachlorophenol	NR	ä	Z.	NR.	NR	, NR	N.	¥.
2.4.5.Trichlorophenol 330	NR NR	Ϋ́N	ĩ	NR	ž	NR	XX.	N.

Fable 1-19 Suc 8 - Soil Page SC

	Method	Location/OC No:	SSFI DUP	ZHSS	SSR3	ISS-FIMW	MWI4-SS3	MWI4-SS3 DUP	MWI4 B.SS3	MW14 B.SC3 DUP
	Detection	Sample Depth, (ft):	0.5	0.5	0.5	6.	10-12	10-12	10-12	10-12
	Límit	Sample Date:	7-12-88	7.12.88	7.11.88	88-88	8.8.88	88.8.8	8-31-88	8-31-88
		Field Sample No.	DANGB-&SS-G1	DANGB-8-SS-F2	DANGB-8-SS-F3	DANGB-8-M	DANGB-8-MW14-SS3	DANGB-8-MW14-SS9	DANGB-8-MW14-SS3	DANGB-8-MW14-SS9
Parameter and Analysis Method		Lab Sample No.:	88071392	88071402	88071380	83081706	83081707	88081709	88092250	88092251
SEMIVOLATILE ORGANICS (SW 8270) Continued page 3	W 8270) Continu	ed page 3								
Heptachlor	•		NR	ZN.	NR				ສ	ä
Heptachlor Epovide	•		ž	ZN.	ž				5	ä
Kepone	2000		NR	ž	ž				5	5
Methosychlor	,		ž	ž	ž	•			ņ	5
Tovaphene	2000		ž	ž	ž				5	5
Aroctor-1016	2000		NR	N.	an N				5	5
Arodor-1221	2000		NR	Ä	ž			•	ö	5
Aroclor-1232	2000		Ä	¥Z	ž				5	ñ
Aroclor-1242	2000		ĭ	Ä.	ä				ö	ŏ
Arodor-1248	2000		N.	N.	ž				ñ	5
Aroctor-1254	2000		ž	ž	ž				ñ	ö
Aroctor-12/0	2000		ä	¥ N	ž				. <b>5</b>	5
2-Chlorophenol	330		NR	Ä	ž	Note 1.	Note 1.	Note 1.	5	ö
2-Nitrophenol	330		¥N	Ä	ž				ñ	5
Phenol	330		N.	¥N.	ä				5	ă
2,4-Dimethylphenol	330		N.	X.	ž				5	5
2.4-Dichlorophenol	330		NR NR	ž	ž				5	5
2.4.6-Trichlorophenol	330		ž	ž	¥				ö	ź
4-Chloro-3-methylphenol	8		N	Ä	ž				ö	5
2,4.Dinitrophenol	1000		N	ž	ž				5	5
2,6-Dichlorophenol	•		NR	ž	Ä				5	5
2-Methyl-4.6-dinitrophenol	0091		NA NA	NN NN	ž				5	5
Pentachlorophenol	0091		N.	N.	Z.				5	ñ
4-Nitrophenol	1000		NR	N.	N.				ö	ź
Benzole Acid	1600		NR	Ä	ž				Ö	ö
2-Methylphenol	330		NR	ž	ž				5	ö
3&4-Methylphenol	330		NR	NR	N.				ä	ä
2,3,4,6-Tetrachlorophenol	•		NR	N	ž.				5	5
2.4.5-Trichlorophenol	330		ž	ž	ž				ñ	ö

										,
	Method	Location/OC No:	MW14-558	MW16-SS1	MWI6-SS2	MW16-SS6	MWI8-SS1	MW18-SS2	MWIRSCA	KrW19.991
	Detection	Sample Depth, (ft):	38-10	3	4.5	20.30		100	COCOT LAND	TOP OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY O
	Limit	Sample Date:	8.8.88	8-10.88	8710.88	00.01.9	7.0	1 5	14:15	7.0
				DANGERANIAGE	DANCEL S. MILLIA CCO	CONTRACTOR OF COMME	00:00	80.00	89:C	8-10-88
Parameter and Analysis Method			8021708	88081752	88081753	88081754	**************************************	DANGII-8-MWI8-SS2	DANGB-8-MWI8-SS3	DANGB-8-MW19-SSI
									ACTION NO.	(M) ON O
SEMIVOLATILE ORGANICS (SW 8270) Continued page 3	W 8270) Contin	ned page 3								
Heptachlor	٠									
Heptachlor Epovide	•									
Kepone	2000									
Methosychlor	•									
Toxaphene	2000									
Aroctor-1016	2000									
Arockor-1221	2000									
Aroclor-1232	2000									
Aroctor-1242	2000									
Aroclor-1248	2000									
Aroclor-1254	2000									
Aroclor-1260	2000									
2-Chlorophenol	330		Note 1.	Note 1.	Note 1.	Note 1.	Leich	- SON	I stox	Leich
2-Nitrophenol	330								ייסוב זי	יייייייייייייייייייייייייייייייייייייי
Phenol	330									
2,4-Dimethylphenol	330									
2,4.Dichlorophenol	330									
2,4,6-Trichlorophenol	330									
4-Chloro-3-methylphenol	98									
2,4-Dinitrophenol	1600									
2.6-Dichlorophenol					•					
2-Methyl-4,6-dinitrophenol	1600									,
Pentachlorophenol	1600									•
4-Nitrophenol	1600									
Benzoic Acid	1600									•
2-Methylphenol	330									
3&4-Methylphenol	330									
2.3.4.6-Tetrachlorophenol	•									

330

Method Locate Detection Sample Limit Si Freds Farameter and Analyzis Method SiMIVOLATILE ORGANICS (SW \$270) Continued page 3									
Parameter and Analysis Method	Marked	Contraction of	MW10,552	NIW10.553	ISS-0XMIY	MW20 R-SS1	MW20 R-SS1 DUP	MW20-SS2	MW20-SS4
Parameter and Analysis Method SIEMIVOLATILE ORGANICS (SW	MCIDO.	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	3000	01.0		6.0			
Parameter and Analysis Method SIEMIVOLATILE ORGANICS (SW	Detection	Sample Depth, (il):	67-60	of:k	200	00 10 0	7,0	ò	8.5.88
Parameter and Analysis Method SIEMIVOLATILE ORGANICS (SW	Ľ	Sample Date:			00.0°	00-16-6			31000000
Parameter and Analysis Method SIEMIVOLATILE ORGANICS (SW		Field Sample No.	DANGB-8-M	DANGB-&M	DANGIB-8-MW20-SSI	DANGII-8-MWZ0-SSI DANGII-8-MWZ0-SSI	DANGIESM	DANGERS	
SIEMIVOLATILE ORGANICS (SW		Lab Sample No.	88081750	88081751	801808	8077/088	707/6088	66081099	
	7 8270) Continu	ued page 3							
1000		•					ñ		
included in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st							5		
Helykenior Phoxics	. 600						5		
Kepone	2000								
Methasychkor	•						5 5		
Toxaphene	2000						5 :		
Aroctor 1016	2000						5		
Aroclor-1221	2000						5		
Aroctor-1232	2000						5		
Aroctor-1242	2000						5		
Aroctor-1248	2000						5		
Aroclor-1254	2002						5		
Aroctor-1260	2000								
2-Chlorophenol	330		Note 1.	Note 1.	Note 1.	Note I.		Note J.	Note I.
2.Nitrophenol	330						5 :		
Phenol	330						5		
24-Dimethylphenol	330						5		
2.4-Dichlorophenoi	330						5		
	330						5		
2 4-Chloro-3-methylphenol	8			`			5		
2.4.Dinitrophenol	1600		•				<b>5</b> :		
2,6-Dichlorophenol	•						: :		
2-Methyl-4,6-dinitrophenol	0091						<b>5</b> :		
l'entachlorophenol	1600						<b>5</b>		
4-Nurophenol	1600						<b>5</b>		
Benzoic Acid	0091						5		
2-Methylphenol	330						5 :		
3&4-Methylphenol	82						5	,	
2.3,4,6-Tetrachlorophenol	•						5		
24 & Trichlomonhenol	330						5		

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	ì								
Method		SSA0	SSA0 DUP	SSAI	SSA2	SSA3	SSHO	SSEI	SSR2
Detection	on Sample Depth, (II):	7.12.88	7.12.88	7.12.88	2.11.88	7.11.88	7,12,88	7.12.88	2-0
	_	DANGII-8-SS-A0	DANGII-8-SS-G0	DANGB-8-SS-A1	DANGB-8-SS-A2	DANGIL-8-SS-A3	DANGB-8-SS-B0	DANGB-8-SS-BI	DANGB-8-SS-B2
Parameter and Analysis Method	Lab Sample No.:	88071404	K611083	880713999	88071387	88071384	88071397	88071403	88071383
PESTICIDES AND PCB's (SW 8020)						:			
Data Package		651	139	130	£39	139	#30	65.4	68
Aldrin 0.	500	5	5	5	5	5	5	ອ	ລັ
HC.	o.o.s	5	in	ä	5	5	5	Ğ	ñ
	50.0	5	ň	5	5	ä	5	ວັ	5
Delta-BHC 04	900	ñ	5	5	5	ñ	5	ñ	5
ິ	0.05	5	ອ	ສ	5	ä	ä	ö	5
•	0.5	5	5	5	5	ອ	5	<b>5</b>	<b>5</b>
	0.10	<b>5</b> :	5 :	ន	5 :	& :	<b>1</b> 2 5	: :	<b>5</b> :
4,4-DDE	0.10	5 5	5 5	12	5 8	8.5	8 =	; ;	5 5
	979	: :	3 <b>5</b>	Ē	: =		5 5	;	5 5
a a	900	;	5 5	5	5 5	5 5	5 5	5 5	5
_	010	ñ	5	5	5	5	ສ	ñ	ā
ulfate	0.10	5	5	5	ő	ອ	ລ	ວັ	<b>3</b> .
Endrin 0.1	0.10	ö	ñ	ä	ö	5	ñ	5	<b>5</b> :
	5000	<b>5</b>	5	<b>5</b>	<b>5</b> :	<b>5</b> ;	<b>5</b>	<b>5</b> , 1	5 :
ovide	500	5 :	5	5 :	5 :	<b>5</b> :	<b>5</b> :	<b>5</b> 3	5 :
or	50	5 :	5 :	5 :	5 :	<b>5</b> :	5 <b>:</b>	5 5	5 5
T.	01	5 5	5 5	<b>3</b>	5 5	5 E	5 5	S E	5 5
PCB-1016	٠, ٠	5 2	5 5	5 5	5 5	5 E	5 =	5 E	5 <b>5</b>
	20	; 5	5 5	5 5	5 5	; <u>5</u>	5 5	5 5	5
	20	ä	5	5	5	ñ	5	'n	5
	0.5	ñ	5	5	5	ฮ	5	ភ	÷5
	01	5	5	5	5	ö	ă	ö	ភ
PCII-1200	01	5	5	5	ñ	ö	5	ä	5
TOTAL PETROLEUM HYDROCARBONS (EPA 41&1)	(EPA 41&1)								
Data Package		651	<b>\$</b> 20	139	65.	687	85	6S#	85
Unite: mg/kg	82	1540	3040	740	<100	<100	<100	<100	×18
MOISTURE									
Data Package		130	139	139	430	189	86#	85	65.
Unite: Weight percent		17.7	19.1	55	56	8.5	•	5.7	143
METALS (Units: mg/kg)									
Data Package									
Barium (SW 6010)	8	ZZ.	N.	NR	NR	N.	NR	NR	N.
~	01	N.	, and	ž	พพ	ž	N.	NR	N.
(1612)	S	NR	N.	ž	NR	Ä.	N.	<b>X</b>	AN H
Lead(SW 7421)	0.2	N.	~XX .	ž	and and and and and and and and and and	ž	K.	NK	XX.

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7-11-88 DANGB-8-SS-D2 88071382 8 9 × SSD1 0-2 7-12-88 DANGB-8-SS-D1 8 × 8 SSD0 0.2 7.12.98 DANGB-8-SS-D0 89071405 ž ž ž ž 0.2 7-11-88 DANGB-8-SS-C3 % 28 V 100 ž ž ž ž 0-2 7-11-88 DANGB-8-SS-C2 § 3 **₹**39 <100 ž ž ž ž 0-2 7-12-88 DANGB-8-SS-CI 4180 100 SSC0 0-2 7-12-88 DANGB 8-SS-C0 88071395 ¢.39 8 % žžžžž SSB3 0-2 7-10-88 DANGB-&-ŠS-B3 85.**7** 13.3 Location/OC No: Sample Depth, (h): Sample Date: Field Sample No: Lab Sample No: TOTAL PETROLEUM HYDROCARBONS (EPA 418.1) Metbod Detection Limit 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 PESTICIDES AND PCB's (SW 8080) Parameter and Analysis Method METALS (Units: mg/kg) Units: Weight percent Heptachlor Epovide Methoxychlor Cadmium (SW 7131) Chromium (SW 7191) Barium (SW 6010) Endosulían Sulfate Lead(SW 7421) Alpha-BIIC
Beta-BIIC
Delta-BIIC
Gamma-BIIC
Chlordane Dieldrin Endosulfan I Endosulfan II Data Package Data Package Data Package Data Package Units: mg/kg MOISTURE Toxaphene PCB-1016 l'eptachlor 4,4.DDE 4,4.DDE 4,4.DDT PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1221 Endrin

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Site 8 - Soil
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	Method Detection Limit	Location/OC No: Sample Depth, (it): Sample Date:	SSD2 DUP 0-2 7-11-88	SSD3 0.2 7-11-88	SSE0 0-2 7-12-88	55131 0-2 7-12-88	SSE2 0-2 7/12/88	88E3 0-2 7/11/88	0.2 0.2 7/12/88	SSF1 0-2 7/12/88
Parameter and Analysis Method		Lab Sample No.	88071388	R80713R1	88071406	× 88071400	88071393	88071386	88071401	89071398
PESTICIDES AND PCB's (SW 8080)	(080									
Data Package			439	687	439	159	#30	\$30	\$	439
Aldrin	50.0		ñ	5	5	ö	ă	5	ņ	5
Alpha-BIIC	50.0		ñ	ñ	5	5	Ė	ñ	'n	5
Beta-BHC	0.05		5	ö	5	5	5	ភ	5	5
Delta-HIC	0.05		ñ		ā	5	5	ភ	5	ö
Gamma-BHC	50.0		5	ñ	5	5	5	5	ฮั	ສ
Chlordane	0.5		<b>5</b>	<b>5</b>	5	5	5	5	ລ	ລ
4,4*:DDD	0.10		<b>5</b>	<b>5</b> :	ລັ	<b>5</b>	5	<b>5</b>	5	5
4,4.DDE	0.10		5 5	5 :	5 :	5 :	5 :	<b>5</b> :1	<b>5</b> :	<b>5</b> :
100.55	0.10		5 5	5 5	5 :	5 5	5 <b>:</b>	<b>5</b> . :	5 :	≅ :
Fodosulfan I	0.00		5 5	5 5	5 5	5 2	5 5	5 5	5-5	5 E
Fredorilfan 11	010		5 3	: =	5 5	5 5	5 =	5 5	5 5	5 5
Endosulfan Sulfate	0.10		5 5	5 5	5 5	5 5	5 5	; 5	5 5	5 5
Endrin	0.10		ä	5	5	5	5	5	5	5
Heptachlor	0.05		5	5	ñ	5	5	5	5	5
Heptachlor Epoxide	0.05		ລ	5	5	5	ñ	ñ	n	ñ
Methoxychlor	ς̈́ο		ອ	5	ñ	in	5	5	ភ	
Tovaphene	91		ភ	5	5	5	5	ົວ	ភ	<b>5</b> ,
PCB-1016	0.5		5	5	5	5	ä	5	5	ā
PCB-1221	50		<b>5</b>	5	5	5	5	5	5	5
PCB-1232	0.5		5	5	5	ä	5	<del>ວັ</del>	ຣັ	5
PCB-1242	0.5		ສ :	<b>5</b>	<b>5</b> :	<b>5</b>	5	<b>5</b> :	<b>5</b>	<b>5</b> :
PCB-1248	50		5 ;	5 :	5 :	5 :	5 :	5 :	5 :	5 :
PCIPIZS	9 5		S 5	5 E	5 5	5 5	5 5	Ś :	5 :	5 5
rcB-1200	Q.1		5	5	5	5	5	5	5	5
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	CARBONS (EPA	(418.1)								
Data Package			459	£59	439	139	83	139	68#	85
Units: mg/kg			< 100	< 100	<100	< 100	<100	v100	480	× 100
MOISTURE										
Data Package			<b>\$</b>	68	4.59	+ 20 ·	189	139	# 20	430
Units: Weight percent			5.6	7.3	4.6	33	3.8	383	8.7	7'7
METALS (Units: mg/kg)										
Data Package										•
Barium (SW 6010)			N.	N.	ž	an N	NR.	ä	NR.	XX
Cadmium (SW 7131)			NR	NR	NR.	Ä	₩.	ž	N.	ሚ
Chromium (SW 7191)			Z :	ž.	¥ :	ž	ž i	ž	ž i	ž i
Lead(SW 7421)			ž	ž	ž	ž	ž	ž	YZ.	AK

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Detection   Simple Date, (1)   0.2	1/1/1/88 DANGB-8-8-8-13 889713-9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DANGG-AWU1-SS1  8808170  8808170  U  U  U  U  U  U  U  U  U  U  U  U  U	DANGB-&MW14.8 880811.8	01 8-8 10ANGII-8-MW14-5 888811	10-12 8-31-88 DANGB-8-MW14-5S3-	10-12 8-31-86 DANGB-8-MW14-SS9 88092251
Per La Sample No.2         DANGD 8-58.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8-59.5G I         DANGD 8	88071380 88071380 61390 U11 U11 U11 U11 U11 U11 U11 U11 U11 U1	BANGB-& AWI4-SSI 88081706 88081706 UI UI UI UI UI UI UI UI UI UI UI UI UI U	1.			
PISTICTORES AND PCFP* (SW 8000)   C25		555555555555555555555555555555555555555	5555555555	•		
Advin   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook   Cook		55555555555555555	555555555555			
Adding 605  Appa-title 605  Appa-title 605  Bets-title 605  Bets-title 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605  Gamas-Bille 605		55555555555555555	5 5 5 5 5 5 5 5 5 5 5 5		8	<b>%</b>
Apparating 0.00  Deta-BITC 0.005  Deta-BITC 0.005  Deta-BITC 0.005  Chlordare 0.01  4/*DDD 0.10  4/*DDT 0.10  4/*DDT 0.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.10  6.1	•	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	5 5 5 5 5 5 5 5 5 5 5 5 5		-	
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Tozaphene		<b>5</b> :	5 5			3 E
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\$ 689 889	5	5	5	5	5	<b>5</b>
100 <100 <100 <100 <100 intermg/kg)						
100	450	#30		#30 Note 3	429	œ.
880	<100	×100	Note 2	<100	<10	<10 10
889						
٠,	139	#30		#30 Note 3	3 429	8.1
METALS (Unite mg/kg)	7.2	12.2	Note 2	12.2	8.7	9.1
Data Package		130		#30 Note 3	\$ 420	82
		6'61				61.3
NR NR		N • L'9		36	.01	Z 1.01
Chromium (SW 7191) NR NR NR	~	24.6	Note 2	20.5	<b>=</b> ;	43.2

Table L-19 Sire 8 - Soil Page 613

, MA		MW	MWI6-SSI	MWI6-SS2	MWI6-SS6	MWI8-SSI	MWI8-SS2	MW18-SS3	ISS-6IMW
	Detection Sample Depth, (n): Limit Sample Dave:		0-1 8-10-88	4.5 8.10-88	29-30 8-10-88		8-11 8-5-88	14·15 8-5·88	
Parameter and Analysis Method	Field Sample Noz Lab Sample Noz	2. DANGB-RAWI4-SS8	DANGB-8-MW16-SS1 RR081752	DANGB-8-MW16-SS2 88081753	DANGB-8-MW16-SS6 88081754	DANGB-8-MWI8-SSI 84081/05	DANGB-8-MW18-SS2 88081696	DANGB-8-MW18-SS3 88081 <i>697</i>	DANGB-8-MW19-5S1 88081749
FESTICIDES AND PCB's (SW 8030)									
Data Package			12.1	627		431	131	(3)	12.0
Aldrin	\$000	5	5	ä	5	5	5	ລ	ä
Alpha-IIIIC	50.0	5	5	5	ñ	55	ລັ	5	Š
Beta-DilC	50.0	5	ä	5	ñ	5	5	້ອ	
Detta-BHC	500	5	5	ö	5	5	5	5	ສ
Gamma-BilC	50.0	ລ	5	5	5	5	5	5	ត ភ
Chlordane	\$0	5	בּ	5	5	<b>5</b>	5	5	· <b>ਤ</b> :
44:DDD	0.10	5	5	5	5	<b>5</b>	5 ; ,	<b>5</b> :	<b>5</b> :
4,4.DDE	0.10	5 :	5 :	5 5	5 8	5 5	5 5	<b>5</b>	5 5
New Color	0.00	5 =	5 =	3 E	5 5	5 =	5 =	5 2	5 E
Endosultan I	000	ö	5 5	5 5	5 5	5 5	5 5	5 5	5 5
Endosulfan 11	0.10	5	5	ö	5	5	5	5	ລັ
Endosulfan Sulfate	0.10	5	'n	ă	ä	ລ	ñ	5	5
Endrin	0.10	5	5	5	5	5	5	5	5
Heynachlor	50.0	5	5	ñ	ın	5	ö	5	5
Heptachlor Epoxide	Str.	5	5	5	5	ລັ	5	5	•
Methorychlor	50	5	<b>5</b>	5 :	<b>5</b> :	5 :	5 :	<b>5</b> :	5 :
Totaphene	9 5	5 5	5 3	5 5	5 5	5 5	5 5	5 5	5 S
refisions	ខ្ល	5 5	5 5	5 2	5 5	5 5	5 5	5 5	5 2
PCB-1221	2 5	5 5	5 5	5 5	5 E	5 5	5 =	5 5	5 E
FCB-1343 •	5 5	5 5	5 5	5 5	5 5	5	5 5	; <u>5</u>	5 5
PCB-1248	28	5 5	5 5	5	5 5	5	5	5	5
PCB-1254	01	5	5	5	ö	ñ	5	5	5
PCB-1260	10	ñ	5	ភ	i	ñ	ï	ñ	ភ
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	NS (EPA 418.1)								
Data Package		630	12.1	623	#21	431	#31	#31	12.
Unite: mg/kg	81	001 >	< 100	v100	× 100	<100	160	×100	<100
MOISTURE	•								
Data Padoge		130	121	121	#27	/31	131	#31	421
Units: Weight percent		18.1	27.9	263	14.8	9	12.5	12.9	17.8
METALS (Unite mg/kg)									
Data Package		#30	127	121	121	//31	₹31	₩31	
Barium (SW 6010)		18.9 B	8	21,4	24.7	31.8			
Cadmium (SW 7131)		N. 681	62.N	73.87	10.1 · N				S.6
Chromium (SW 7191)		345	8	777 777	215	25.6 N	X 505 X	303%	37.8
Lesd(SW 7121)		355	10.6 S	× 2×	4,73	2000		N C C C	

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Table L.19 Site 8 - Soil Page 6F

Method Detection	Location/OC No: Sample Depth, (ft):	MW19-552 57-20	MW19-SS3 9-10	MW20-SS1 0-2	MW20 R-SSI 0-2	MW20 R-SSI DUP 0-2	MW20-SS2 6-8	WW
Limit	Sample Date: Field Sample No.: Tob Sample No.:	8-10-88 DANGB-8-MW19-SS2	BANGB-&MWI9-SS3	8-5-88 DANGB-8-MW20-SS1	8-31-88 DANGB-&-MW20-SSI	8-31-88 DANGB-8-MW20-SSS	PS-5-88 DANGB-8-MW20-SS2	85-88 DANGB-8-MW20-SS4
PONISH ARCHEO DIE LAURER I	· ·		CHOO	0/010000	C077(0X)	777.000	6010000	OVI IONO
PESTICIDES AND PCB's (SW 8080)								
Data Package	•	12.1	£27	<b>#</b> 31	\$2	62#	#31	¥31
Aldrin 0.05		'n	ö	5	ñ	÷	5	5
Alpha-BIIC 0.05		ñ	5	n	5	in	5	Ü
		ij	5	ສ	ភ	ä	in	ລັ
Delta-BHC 0.05		5	5	5	5	5	ā	5
Gamma-BHC 0.05		ö	ñ	5	5	ā	5	Ď
		5	5	ñ	5	5	5	ñ
		5	ň	5	ភ	5	ñ	5.
		5	5	ถ	ສ	Ö	5	ລັ
		ä	<b>5</b>	5	<del>ວ</del>	ă	5	ລັ
Dietdrin 0.10		5	ö	5	5	ð	<del>i</del>	ñ
		5	ສ	ភ	5	5	5	<b>ਤ</b> ੇ:
		ວັ	ä	ສ	5	5	<b>5</b>	<b>5</b>
lfan Sulfate		5	<b>5</b>	5	<b>5</b> :	<b>5</b>	5	
		5	<b>5</b>	<b>5</b>	5	<b>5</b> :	5	
		5 :	5 :	5 :	<b>5</b>	5 :	5 `i	5 :
oxide		5 :	5 :	5 :	5 5	5 8	5 :	
Methovychlor		<b>5</b> :	<b>5</b> :	5 :	5 5	5 :	5 5	5 5
lovaphene Lu		5 5	5 5	5 5	5 =	5 =	5 =	5 =
		5 =	5 5	5 =	5 =	5 5	5 =	5 5
		5 5	5	5 5	5	5	55	5
		ລ	ö	5	5	5	ລັ	ñ
		5	5	5	ñ	5	5	ä
PCB-1254 1.0		ö	ñ	5	5	5	5	
PCB-1260 1.0		5	5	ä	5	5	รั	ສັ
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	PA 418.1)							
Data Padtage		124	12.4		&#</td><td><b>62</b></td><td>#31</td><td>¥31</td></tr><tr><td>Unite: mg/kg 100</td><td></td><td><100</td><td><100</td><td>Note 4</td><td><10</td><td>8</td><td><100</td><td>%i></td></tr><tr><td>MOISTURE</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Data Package</td><td></td><td>123</td><td>123</td><td></td><td>420</td><td>&#</td><td>#31</td><td>#31</td></tr><tr><td>Units: Weight percent</td><td></td><td><b>7</b>8</td><td>9.2</td><td>Note 4</td><td>11.6</td><td>10.8</td><td>16.5</td><td>83</td></tr><tr><td>METALS (Units: mg/kg)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Data Package</td><td>•</td><td>12.1</td><td>127</td><td></td><td>420</td><td><b>*</b></td><td>#31</td><td>#31</td></tr><tr><td>Barium (SW 6010)</td><td></td><td>43,4</td><td>25</td><td>Note 4</td><td>146</td><td>821</td><td></td><td></td></tr><tr><td>Cadmium (SW 7131)</td><td></td><td>Z • ₹ 7</td><td>N.96</td><td>Note 4</td><td>N 0.0</td><td>N 98</td><td></td><td>Z 0:1</td></tr><tr><td>Chromium (SW 7191)</td><td></td><td>43.4</td><td>ង់</td><td>Note 4</td><td>386</td><td>378</td><td></td><td>25.9 N</td></tr><tr><td>[ cad(SW 7421)</td><td></td><td>777</td><td>C PG</td><td>AOIC 4</td><td>171</td><td>Col</td><td></td><td>1170</td></tr></tbody></table>			

Site 8 - Soil Table L-19 Page 7

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Note 1. Analysis was erroncously requested on chain of custody. Error was recognized by the taboratory and analysis was not performed.

Note 2. This sample was bost before all analyses were conspicte. The interval was resampled, see MW 1431R-853, All data are presented,

Note 3. This was a duplicate sample of MW14SS3 which was lost before all analyses were complete, see Note 2. The interval was resampled, and a new duplicate was also obtained, see MW 14 R-SS3 DUP. The instructions on the Chain-of-Custody Data Package #29, said to discard MW 14-SS3 DUF. It was not. All results are presented.

Note 4. The sample jar for this analysis was bröken in shipment. The interval was recampled, 2:ee MW20 R-SSI.

Note 5. Analysis was erroncously requested on the chain of custory form. The taboratory did not recognize the error and the analysis was performed.

B For organic analyzer, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Limit.

N For metals the percentage recovery of the spiked sample was not within the control limits.

U Undereced. The parameter was analyzed for but was not detected. A value, if given, is the corrected sample quantitation limit. NR The analysis was not requested.

· Duplicate not within control limits.

I The holding time was missed for this analysis. See Appendix N.

. The EPA has not yet reported on a method detection limit for this parameter,

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SITE 8
SITE 8
MINNESOTA AIR NATIONAL GUARD BASE
DULUTH, MINNESOTA
SUMMARY OF CHEMICAL ANALYSES FOR GROUND-WATER SAMPLES (Results in micrograms per liter unless otherwise noted.)

	Metbod	Well/OC No.	GW&A	GW&n	3 MB	MWH	WW.	MWI4 FI	Marie
	Detection	Date Sampled: 9-10-88 Field Sample No.: DANGH-8-GW81-GW-1	9-10-88 8A-GW-1 DANG	9-10-88	DANGH-GWS-GWI DANGH-SAWI4-GWI DANGH-SAWI1-GWI	9.8.88 9.8.89 9.8.90 DAN	9.8-88 9.8-88	9-8-89 9-8-88 DANGRERI DANGRAMMIS.GW.1	9.9.88 0.9.88
Parameter and Analysis Method		Lab Sample No.:	88072327	88092323	88092313	. 88092303	88092304	68526088	88092317
HALOGENATED VOLATILE ORGANICS (SW 8010)									
Data Package			733	<b>433</b>	#34	#47	\$47	#47	<u>ਲ</u>
Benzyl Chloride	950		מ	מ	Ω	ם	מ	Ω	Ď
Bis(2-chloroethoxy)methane	20		ם	ח	n	n	n	n	Ð
Bis(2-chloroisopropyl)ether	80		ם	ם	n	D	ח	D	ח
Bromóbenzene	050		ב	D	ם	Þ	ם	כ	Ď
Bromodichloromethane	0.10		מ	ם	Þ	ב	ם	n	n
Вготобогт	070		ם	n	ח	ח	D	מ	ם
Bromoethane	2		ם	ם	ם	D	5	ם	כס
Carbon Tetrachloride	0.12		ם	כ	ב	, ,	Ď	ם	כ
Chloracetaldchyde	\$0.0		ם	כ	ລ	ח	D	כ	:>
Chloral	80.0		ם	ם	ח	D	ם	ລ	⊃
Chlorobenzene	0.25		ם	ס	ב	n	ם	ם	n
Chloroethane	0.52		ם	n	Þ	n	n	Ð	ח
Chloroform	50.0		ם	ם	כ	ם	n	15	O
	0.50		۵	ם	Ð	Ð	ם	ם	ם
5 2-Chloroethyl Vinyl Ether	0.13		ם	ב	Ð	n	ם	ם	ם
Chloromethane	80'0		ם	ם	Ð	D	ח	n	Đ
Chloromethyl Methyl Ether	5.0		ב	מ	n	n	ກ	מ	ח
Chlorotoluene	0.50		ם	ב	ם	n	ם	Þ	ם
Dibromochloromethane	6000		ם	ם	n	Ω	n	D	ב
Distribution	0.50		ם	ם	ח	Ω	Ð	D	Þ
1,2-Dichlorobenzene	0.15		ם	מ	Ω	ם	ם	Ð	ח
1.3-Dichlorobenzene	0.32		ם	ם	ם	n	ח	Þ	<b>ɔ</b>
1,4-Dichlorobenzene	0.24		<b>5</b>	ລ	n	n	Ď	ם	Þ
Dichlorodifluoromethane	1.8	•	<b>n</b>	Ω	n	D	Ð	ב	ດ
1,1-Dichloroethane	0.07		ם	מ	n	ח	ם	ב	כ
1,2.Dichloroethane	0.03		ם	n	D	n	ח	Ď	כ
1,1.Dichloroethene	0.13		ם	n	ם	n	ב	Þ	o
, Trans-1,2-Dichloroethene	0.10		ם	ב	n	n	ם	ם	ם
Dichloromethane	0.25		1.6 B	0.46 13	22 B	1.7 18	138	n	2.8 B
1,2.Dichloropropane	0.04		ם	ב	n	Þ	ם	Þ	ם
1.3-Dichloropropylene	P.0		ב	ב	ם	n	D	ם	ם
1,1,2,2-Tetrachloroethane	0.03		ם	ב	Ď	D	Ð	⊃	Ω
1.1,1,2-Tetrachloroethane	050		⊃	n	ם	ח	ם	D	a
Tetrachloroethene	0.03		5	n	Ω	n	n	ב	ב
1,1.1-Trichloroethane	0.03		=	ח	כ	Þ	ח	Ω	ח
1.1,2-Trichloroethane	0.02		⊃	ח	ח	n	n	n	n
Trichloroethene	0.12		ם	ם	D	n	ם	ם	כ
Trichlorofluoromethane	050		כ	ם	n	Ð	n	ח	n
Trichlorepropane	050		<b>-</b>	ב	ח	>	D	ລ	ר
Vinyl Chloride	0.18		כ	ב	מ	<b>¬</b>	ם	n	ח

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Table L.20

BR2 9.9-88 DANGB-BR2 88092316 BR1 9-10-88 DANGB-BR3 TB1 9-9-88 DANGB-TB2 MW17 FB 9-9-88 DANGB-FIS MWIS FIB MWI6 MWI6 99-88 99-88 99-88 99-89 DANGD-8HWI6-GW-I DANGB-8-MWI7-GW-I Well/OC No.: Date Sampled: FieM Sample No.: Lab Sample No. Method Detection INLOGENATED VOLATILE ORGANICS (SW 8010) Parameter and Analysis Method Bis(2-chloroethoxy)methane Bis(2-chloroisopropyt)ether Chloromethy! Methy! Ether 2-Chloroethyl Vinyl Ether Dichlorodifluoromethane Trans-1,2-Dichloroethene 1,1,2,2-Tetrachloroethane Site 8 - Ground Water Page 1B 1,1,1,2-Tetrachloroethane Dibromochloromethane Trichlorofluoromethane Bromodichloromethane 1.3.Dichloropropylene Carbon Tetrachloride Chloracetaldehyde 1,1,1.Trichloroethane 1,1,2-Trichloroethane 1,2-Dichloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1.4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethene 1,1.Dichloroethane Tetrachloroethene Dichloromethane Trichloropropane Benzyl Chloride Dibromocthane 1-Chlorohexane Chloromethane Chlorobenzene Bromobenzene Chlorotoluene Bromoethane Chloroethane Bromoform Chloral

L-301

	Method	Well/QC No.	GW &A	GW & B	GW & C	MW14	MW14 DUP	MW14 FB	MWIS
	Detection	Date Sampled:	9-10-88	9.10.88	88.6.6	9.8.88	9.8.88	· 88-86	98.6.6
	Ľmi	Field Sample No.: DANGII-& GW&A-GW-1 DANGII-& GW8B-GW-1	GW&A-GW-1 DANGB-	8-GW8B-GW-1	DANGB GW8C-GW-1 DA	DANGB GW&CGW-1 DANGB-&-MW14-GW-1 DANGB-&-MW51-GW-1	4GB-8-MWS1-GW-1	DANGB-FB3 DANGB-& MW15-GW-1	B-8-MWIS-GW-1
Parameter and Analysis Method		Lab Sample No.:	88092327	88092323	88092313	88092303	88092304	88092309	88092317
AROMATIC VOLATILE ORGANICS (SW 8020)	•				`			· · · · · · · · · · · · · · · · · · ·	
Data Package			<b>#</b> 33	<b>f</b> 33	<b>35</b>	647	#47	447	**
Benzene	0,2		ם	ם	n .	n	Ð	Đ	,
Chlorobenzene	<b>∂</b> 2		n	ב	, D	ם	n	5	כי
1,2.Dichlorobenzene	0.4		Ð	ב	ח	, ,	כ	ב	כ
1.3-Dichlorobenzene	80		ר	ם	n	. <b>:</b>	· ɔ		· <b>ວ</b>
1,4-Dichlorobenzene	60		n	ם	- ⊃	ח	ם	כ	ב
Ethyl Benzene	0.2		n	·D	n	Ω	ם		~ <b>⊃</b>
Toluene	0.2		כ	כ	n	ם	n	· >	
Total Xylenes	0.4		Þ	ם	ח	D	ם	Ξ	

	Method	Well/OC No.	MWIS FB	MW16	MW17	MW17 FB	131	BRI	BR2
	Detection	Date Sampled:	88-6-6	88-6-6	88.6.6	88-6-6	88-6-6	9-10-88	9.0.88
	Limit	Field Sample No.:	DANGB-FTM DANG	DANGE-FIM DANGE-SMWI6-GW-1 DANGE-SMW17-GW-1	1-8-MW17-GW-1	DANGB-FIIS	DANGB-TB2	DANGB-BR3	DANGB-BR2
Parameter and Analysis Method		Lab Sample No.:	88092331	88092315	88002314	88092332	88092331	88092330	88092316
AROMATIC VOLATILE ORGANICS (SW 8020)								,	
						v			
Data Package			#43	434	*	#43	<b>f</b> 43	<b>₹</b> 33	*
Benzene	0.2		D	n	ב	ם	n	n	מ
Chlorobenzene	0.2		מ	n	ח	ם	ם י	מי	=
1,2-Dichlorobenzene	80		n	n	כ	• •	כס	) <b>=</b>	=
1.3-Dichlorobenzene	3		ם	ח	n	· >	כי	חם	2
1,4-Dichlorobenzene	03		n	n	n	ລ	· D	· 20	
Ethyl Benzene	07		Þ	ח	ח	· ⊃	מ	ם	מ
Toluene	07		מ	n	ם	ח	5	Ð	ם ס
Total Nytenes	<b>7</b> 0		ם	מ	ם	ם	n	ם	מ

Table 1-20 Site 8 - Ground Water Page 3A

	Method	Well/QC No.	GW &A	GW &-B	GW &C	MW14	MW14 DUP	MW14 FB	MW15
	Detection	Date Sampled:	9-10-88	9-10-88	88-6-6	88-8-6	88-8-6	88-8-6	88.6.6
Parameter and Analysis Method	Linit	Field Sample No.: DANG Lab Sample No.:	5B-8-GW8A-GW-1 88092327	Field Sample No.: DANGD-8-GW8A-GW-1 Lab Sample No.: 88092327 88092323	DANGB-GW8C-GW-1 DANGB-8-MW14-GW-1 DANGB-8-MW31-GW-1 88092313/ 88092303 88092304 8809260	IGB-&-MWI4-GW-1 D. 88092303	ANGB-8-MW51-GW-1 88092304	DANGB-FB3 DAN 88092309	DANGB-FB3 DANGB-8-MWIS-GW-1 88092300 88092317
PESTICIDES AND PCB's (EPA 608)									
Data Padage			133	<b>f</b> 33	#34	\$47	#47		#34
Aldrin .	\$0.0		n	D	n	ב	ח	N. N.	D
Alpha-BHC	50.0		: כ	D:	<b>D</b> :	D;	<b>D</b> ;	Z :	<b>ɔ</b> :
Beta-BHC	50.0		<b>D</b> :	ב כ	> =	<b>&gt;</b> :	<b>D 2</b>	z ż	<b>-</b>
Della-BitC	900		=	0 2	<b>-</b>	) <u>=</u>	0 5	ž ž	<b>-</b>
Chlorodane	20		) <b>&gt;</b>	כי	5		ם כ	NR.	) <b>&gt;</b>
4,4".DDD	0.10		ם	n	ח	5	n	NR R	n
4,4*DDE	0.10		D	כ	ם	מ	ם	Ä	Ð
4,4'-DDT	0.10		ח	n	ם	<b>¬</b>	ם	Ä	ם
Dieldrin	0.10		<b>그</b> :	<b>&gt;</b> :	<b>&gt;</b> :	<b>ɔ</b> :	<b>&gt;</b> :	ž :	<b>ɔ</b> :
Endosulian I	9		<b>&gt;</b> =	<b>=</b> =	<b>-</b>	<b>&gt;</b> =	> <b>=</b>	ž	<b>&gt;</b> =
Endosulian II Endosulfan Sulfate	0.10		<b>=</b>	2	<b>5 5</b>	<b>&gt;</b> =	<b>&gt;</b> =	K X	<b>&gt; &gt;</b>
Endria	0.10		כס	כי	ם	; <b>D</b>	Ð	ž	Đ
Heptachlor	0.05		ם	n	ם	מ	ם	NR.	ກ
Heptachlor Epoxide	0.05		<b>&gt;</b> :	>:	<b>ɔ</b> :	<b>ɔ</b> :	<b>&gt;</b> :	Z :	<b>&gt;</b> :
Methoxychior	3:		<b>&gt;</b> :	Ģ =	<b>&gt;</b> :	<b>-</b> :	כ ב ב	ž	> <b>=</b>
IONAPORINE PCB-1016	20		ככ		o 5	<b>.</b> .	o 5	X X	) <b>&gt;</b>
PCB-1221	0.5		כי	ב	Ω	ח	ח	N.	Ω
PCB-1232	0.5		ם :	<b>5</b>	D:	<b>5</b> ;	D:	ž i	<b>-</b> :
PCB-1242	20		ם ב	<b>&gt;</b> =	<b>&gt;</b> :	<b>5</b>	<b>&gt;</b> =	ž ž	<b>-</b>
PCB-1254	3 3		כי	<b>&gt;</b> =	ם מ	<b>&gt; &gt;</b>	ממ	z z	) <b>)</b>
PCB-1260	2		n.	n	ח	n	n	NR	ב
TOTAL BETTOOLESING HANDOCARDBONE (FEBA 4181)	(18)								
	·		1		;		•		707
Data Package			<b>*33</b>	#33	112	<b>*</b> 47	#47		3
Units: mg/L	13		<1.5	<15	<15	<1.5	<15	a a	Þ
METALS (Units: mg/L)								,	
Data Package			<b>#</b> 33	133	25	£ 47	. #47		<b>75.</b>
				M 0 200	Neco	2000	NSOON	G X	2000
Bandm (SW 6010)			1000	1000	1000	1000	1000	¥ 9	W 100.0>
Clemium (SW 7131)			0000	20003	0.002	0.0024 B	0.0020 13	N. X.	< 0.002 W
Catomium (SW 491) Lead (SW 7421)			<0.005	<0.005	<0.000	<0.005	<0.005	X X	<0.005
SPECIFIC CONDUCTANCE (120.1) Units: mS/cm @ 25°C			1.281	1,633	1,168	0339	0.339	X X	, 0.443
TEMPERATURE (EPA 170.1)								*	
Unite: C			12.2	12.2	15.4	8.6	9.8	X X	. 123
pH (EPA 150.1)			į	1		e e		ć	3
Units; pH Units			7,01	7.43	600	/07/	,n,	W.	2001

Table L:20 site 8 - Ground Water Pare 3B

							-		1 1
	Method	Well/OC No.	MWIS FB	MWIG	MW17	MWI7 FB	TELL	BRI	BR2
	Defeation	Date Sampled: Field Sample No.:	9-9-88 DANGILETH DAN	9-8-89 DANGIFTH DANGB&MWI&GW:1 DANGII&MMI7-GW:1	9.9-88 III-&MW17-GW-1	88-6-6 SIEI-RENVO	9-9-88	9-10-88 DANGB.BB3	88-6-6 89-6-6 89-8-89-8
Parameter and Analysis Method		Lab Sample No.:	88092331	88092315	88092314	88092332	8807331	0.00000	88092316
PESTICIDES AND PCB's (EPA 608)					×			<b>'</b> ,	2
Data Package				**	131			<b>4</b> 33	, <b>3</b>
Aldrin	0.05		ä	Ξ	Ξ	2	an	=	=
Alpha-BilC	50.0		ž	) <b>=</b>	<b>.</b>	ž	K K	o	<b>&gt;</b>
Deta-DifC	0.05		NR.	Þ	Þ	ž	ž	ח	n
Delta-BilC	0.05		ZY.	<b>&gt;</b>	<b>&gt;</b> :	Z.	Z Z	n	Þ
Gamma-BIIC	20.05		e i	<b>&gt;</b> :	<b>&gt;</b> :	ž :	ž	<b>:</b>	<b>&gt;</b>
Chlorodane	ខម្ម		ž.	<b>&gt;</b> :	<b>&gt;</b> :	ž	Z :	<b>&gt;</b> :	<b>ɔ</b> :
44:DDF	0.10		žŝ	<b>&gt;</b> :	<b>&gt;</b> =	ž	۲ و ۲ ک	ב כ	<b>&gt;</b> :
44:DI)T	0.10		ž	> =	<b>=</b>	ž	ž	<b>=</b>	<b>5</b> =
Dieldrin	0.10		ž	<b>&gt; &gt;</b>	) <b>&gt;</b>	ž	ž	<b>&gt;</b> =	<b>-</b>
Endosulian I	50.0		NR	5	כי	ž	ZX.	2	
Endorulfan II	0.10		Ä	Ω	כ	ž	N.	ם	n
Endosulian Sulfate	0.10		ž	<b>:</b>	<b>&gt;</b> :	ž :	Z :	<b>ɔ</b> :	י כ
Headach and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the second and the secon	0.10		ž	<b>=</b> =	<b>&gt;</b> =	ž	ž	<b>:</b>	<b>-</b> :
Hentschlor Froxide	8		ž	> =	<b>=</b>	ž 2	ž	<b>-</b>	<b>-</b>
Methanychlor	20		Z Z	> >	) <b>⊃</b>	ź	ź	<b>&gt;</b> >	ככ
Toxaphene	01		ZZ.	כי	· >	ž	N.	n	'n
PCB-1016	0.5		Ä	Ω	ם	ž	N.	ח	ח
PCB-1221	20		ž.	D:	<b>D</b>	ž	Z.	D	ח
PCB-1232 PCB-1243	2 5		ž	<b>&gt;</b> =	5 =	ž ž	z z	<b>-</b>	<b>&gt;</b> :
PCB-1248			ž	o =>	<b>&gt; &gt;</b>	ž	ž ž	<b>-</b>	<b>&gt;</b>
PCB-1254	01		¥ !	'n	ם:	X.	N.	ם:	: מ
PCB-1260	91		ez X	Þ	Ð	ž	z Z	n	Đ
TOTAL PETROLEUM HYDROCARBONS (EPA 418.1)	18.1)								
Data Padóige				###	\$			#33	***
Unite: mg/L	1.5			<15	<15	<15	N.	o	ם
METALS (Units: mg/L)									
Data Package				139	131			#33	R.
Barium (SW 6010)			NR	< 0.05 N	0.15 B N	ž	an	0.05 B N	N 50.0
Cadmium (SW 7131)			ž	<0.001	<0.001	ž i	ž į	1000	W 100 0>
Caromium (5W 7421)			ž ž	0,0021 ts <0.005	<0.005	ž ž	X X	2000> <0000>	<0.005 <0.005
		•							
SPECIFIC CONDUCTANCE (120.1)			i		****	ş	į	<b>,</b>	Š
Onus mo/cm @ 20 C			Ä	89570	7/8/0	Ä	XX.	N.	XX
TEMPERATURE (EPA 170.1)									
Unite: "C			NR.	8.8	66	ĭ	z Z	a a	X X
pH (GPA 150.1)									!
Units: plf Units			NN NN	862	7.23	ž	N.	AR.	ž

Table 1.20 Site 8 - Ground Water Page 4 FB Field blank. TB Trip blank. BR Bailer rinseate.

Data Package # Numbers refer to Data Packages in Appendix M.

B For organic analyses, the parameter was detected in the laboratory blank as well as the sample. For metals analyses, the reported value is less than the Contract Required Detection Limit, but greater than the Instrument Detection Umit.

N For metals the percentage recovery of the spiked sample was not within the control limits.

NR The analysis was not requested.

W The analysis spike, a spike added to the sample digestate had a percent recovery out of control limits (R5-115 percent), and the sample absorbance is less than 50 percent of the spike.

L-306

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TABLE L-21 SITE 10

MINNESOTA AIR ÑATIÔNAL GUARD BASE DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR GROUND-WATER SAMPLES SAMPLING ROUND 1

Parameter and Analysis	Well/OC No.: Date Sampled: Field Sample No.: Lab Sample No.:	GW 10-A 9-23-88 DANGIE-10-GW10A-GW-1 P0101428/	GW 10-B 9-23-88 DANGB-10-GW10D-GW-1 P0101431/	Weil/OC No.         GW 10-A         GW 10-B         GW 10-B         GW 10-B         GW 10-B         GW 10-C           Date Sampled:         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48         9-23-48	GW 10-C 9-23-88 DANGB-10-GW10C-GW-1
IMDIOLOGICAL PARAMETERS Units: PCI/L		1,01082)3	P01P08296	V021083	P0101432/ P0108297
Data Package					
Gross Alpha (SW 9310)		\$50	99/	87	
Gross Beta (SW 9310)		33 +/- 10	57+01	3	99#
Radium 226 (SW 931.5)		150 +/-30	78 + 7.0	82	7.0 +/-3
Tritium (EPA 906.0)		44 +/- 0.6 < 2000	14 +/- 03	24 + /- 14 24 + /- 04	11 + /- 4 03 + /- 0.2
SPECIFIC CONDUCTANCE (EPA 120.1) Units: mS/cm @ 25 C	<b></b>		) (1007)	< 2000	< 2000
		. 917'0	0 467		
TEMPERATURE (EPA 170.1) Units: °C			970	0.656	0.656
		66	7'01	ţ	
PH (EPA 150.1) Units: pH Units		•		7.01	10.5
		7.10	7.02	7.02	,
					0.50

DUP Duplicate, Data Package ≠ Numbers refer to Data Packages in Appendik M. < Less than.

+/- Plus or minus.

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TABLE L-22

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SITE 10 MINNESOTA AIR NATIONAL GUARD BASE

## DULUTH, MINNESOTA SUMMARY OF CHEMICAL ANALYSES FOR GROUND-WATER SAMPLES SAMPLING ROUND 2

Parameter and Analysis	Well/OC No. Date Sampled: Field Sample No. Lab Sample No.	GW 10-A 2-26-89 DANGB-10-GW10A-GW-2 03	GW 10-A DUP 2-26-89 DANGB-10-GW10D-GW-2 04	Weil/OC No.         GW 10-A         GW 10-A         GW 10-B         GW 10-B           Date Sampled:         2-26-89         2-26-89         2-26-89         2-26-89           Field Sample No.:         DANGB-10-GW10A-GW2         DANGB-10-GW10B-10-GW10B-GW2         DANGB-10-GW10C-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-GW10B-10-G	GW 10-C 2-26-89 DANGB-10-GW10C-GW-1
RADIOLOGICAL PARAMETERS Units pCI/L					
Data Package		191	<i>₽</i>	191	27
Gross Alpha (SW 9310)		382 +/• 154	154 +/-65	85 +/- 50	19.4 6.7
Beding 22 (Surger)		253 +/- 104	155 + 1.57	211 + /- 67	57 -/ + 26
Dading 200 (SW 9315)		9'0>	9'0>	90>	90>
Triting (GB 500)		<25	<25	<24	\$23
(mox v m)		<339	<339	<339	<339
SPECIFIC CONDUCTANCE (EPA 120.1) Units: mS/cm @ 25°C		Ź	×	ž	Z
TEMPERATURE (EPA 170.1) Units [®] C		F	, F	60-	, o
pH (EPA 150.1) Units: pH Units		7.3	7.16	9.39	608

Data Package / Numbers refer to Data Packages in Appendix M. NT Measurement not taken.

< Less than.

+/. Plus or minus. 'NA Validaly of measurement suspect due to equipment malfunction because of air temperatures of -10 to +5 F.

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