DEPARTMENT OF THE AIR FORCE
27TH CIVIL ENGINEERING SQUADRON (ACC)
CANNON AFB NM 88103-5136

CAFB93

27 CES/CEVR
111 Engineers Way
Cannon AFB NM 88103

19 NOV 1993

Stephen Pullen
525 Camino De Los Marquez
P.O. Box 26110
Santa Fe NM 87502

RE: Landfill RFI Draft Reports

Dear Mr Pullen

As we discussed in our telephone conversation, please find enclosed the RFI Draft Reports for Landfill Nos. 3, 4, and 25 along with the Supplemental Reports submitted to the EPA.

I spoke with Bill Hurlbut from the EPA today and he informed me that the reports are approved but before CAFB will be granted no further action at these sites one downgradient monitoring well must be drilled for each landfill.

Sincerely

Janice P. Stowell

JANICE P. STOWELL, PhD, GS-11
IRP Remedial Project Manager

27th FIGHTER WING

LIBRARY COPY

TEAM CANNON

REMEDIAL INVESTIGATION (RI) REPORT
LANDFILL NO. 25
SWMU NO. 97
IRP SITE LF-25
DRAFT VOLUME II - APPENDICES

CANNON AFB, NEW MEXICO

DCN 93-269-069-18-06

REMEDIAL INVESTIGATION (RI) REPORT

CANNON AIR FORCE BASE

LANDFILL NO. 25

SWMU NO. 97

Prepared for:

U.S. Army Corps of Engineers
Omaha District

Prepared by:

Radian Corporation
P.O. Box 201088
8501 N. MoPac Blvd.
Austin, Texas 78720-1088

August 1993

TABLE OF CONTENTS

		Page
APPENDIX A	**SCOPE OF SERVICES FOR LANDFILL NO. 25**	**A-1**
APPENDIX B	**RESULTS FOR FIELD SAMPLES**	**B-1**
APPENDIX C	**BORING LOGS FOR LANDFILL NO. 25**	**C-1**
APPENDIX D	**DAILY QUALITY CONTROL REPORTS FOR LANDFILL NO. 25**	**D-1**
APPENDIX E	**GEOTECHNICAL ANALYSIS FOR LANDFILL NO. 25**	**E-1**
APPENDIX F	**DISCUSSION OF UPPER TOLERANCE LIMITS FOR BACKGROUND SAMPLE RESULTS FOR INORGANIC CHEMICALS FOR LANDFILL NO. 25**	**F-1**
APPENDIX G	**APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS FOR LANDFILL NO. 25**	
1.0	ARARs EVALUATION	G-1
1.1	To Be Considered	G-2
1.2	Chemical-Specific ARARs	G-3
1.3	Location-Specific ARARs	G-34
1.4	Action-Specific ARARs	G-34
APPENDIX H	**ANALYTICAL RESULTS FOR CHEMICALS OF POTENTIAL CONCERN AND TOXICITY/CONCENTRATION SCREEN RESULTS FOR LANDFILL NO. 25**	
1.0	Samples Used in Risk Assessment	H-1
2.0	Samples Eliminated Due to Blank Contamination	H-92
3.0	Compiled Background Data for Metals Collected	H-98
4.0	Concentration Toxicity Screen Data	H-119

TABLE OF CONTENTS (Continued)

Page

APPENDIX I STATISTICAL COMPARISON OF BACKGROUND AND SITE SAMPLE RESULTS FOR INORGANIC CHEMICALS FOR LANDFILL NO. 25

1.0 INTRODUCTION I-1

2.0 STATISTICAL ANALYSIS AND RESULTS I-6

2.1 Tests of Normality I-9
2.2 Student's t-test I-10
2.3 Wilcoxon Rank Sum Test I-14
2.4 Poisson Prediction Limit I-17
2.5 Summary Statistics I-18

3.0 REFERENCES I-24

Attachment I-1 Detailed Statistical Results I1-1

APPENDIX J AIR MODELING RESULTS FOR LANDFILL NO. 25

1.0 INTRODUCTION J-1

2.0 EMISSION ESTIMATES J-2

2.1 Volatilization from Surface Contamination J-4
2.2 Volatilization from Buried Waste J-6
2.3 Wind Blown Dust J-7
2.4 Dust Emissions from Construction Activity J-8

3.0 DISPERSION MODELING J-10

3.1 Emission Sources J-10
3.2 Modeling Methodology J-10

4.0 REFERENCES J-22

TABLE OF CONTENTS (Continued)

Page

APPENDIX K GROUNDWATER MODELING RESULTS FOR LANDFILL NO. 25

1.0 STATEMENT OF PROBLEM K-1

2.0 SITE DESCRIPTION K-3

3.0 CALCULATIONS K-6

4.0 REFERENCES K-12

APPENDIX L SURFACE WATER MODELING FOR LANDFILL NO. 25

1.0 SURFACE WATER MODELING L-1

2.0 RAINFALL/RUNOFF CALCULATIONS L-2

3.0 MUSLE L-4

4.0 AVERAGE AND REASONABLE EXTREME YEAR CALCULATIONS L-6

5.0 DISSOLVED AND SORBED CONCENTRATIONS L-7

6.0 REFERENCES L-10

APPENDIX M INTAKE CALCULATIONS FOR LANDFILL NO. 25

1.0 ESTIMATING CONCENTRATIONS OF CONSTITUENTS IN SOILS IRRIGATED WITH CONTAMINATED WATER M-1

2.0 FRUIT AND VEGETABLE EXPOSURE CONCENTRATION CALCULATIONS M-6

3.0 BEEF AND DAIRY PRODUCTS CONCENTRATION CALCULATIONS M-11

4.0 INDOOR AIR CONCENTRATIONS FOR RESIDENTIAL WATER USE M-22

5.0 CHEMICAL INTAKE CALCULATIONS M-25

TABLE OF CONTENTS (Continued)

Page

APPENDIX N TOXICITY PROFILES FOR CHEMICALS OF POTENTIAL CONCERN FOR LANDFILL NO. 25

LIST OF FIGURES

		Page
I-1	Decision Tree for Determining Appropriate Statistical Tests	I-3
J-1	Location of Landfill No. 25, Cannon AFB, New Mexico	J-11
J-2	Location of Modeled Area Sources and Receptors Around Landfill No. 25, Cannon AFB, New Mexico	J-12
J-3	Receptor Locations at the Property Boundary and Residential Areas Near Landfill No. 25, Cannon AFB, New Mexico	J-15
J-4	Location of Modeled Impacts from Area Sources at Off-Site Receptors, Landfill No. 25, Cannon AFB, New Mexico	J-16
J-5	Location of Modeled Impacts from Area Sources at the Landfill Boundary, Landfill No. 25, Cannon AFB, New Mexico	J-18
K-1	Location of Hypothetical Pumping Well	K-2

LIST OF TABLES

		Page
B-1	Results of Organic Analyses for Soil Samples	B-1
B-2	Results of Inorganic Analyses for Soil Samples	B-267
F-1	Upper Tolerance Limits	F-8
G-1	National Drinking Water Standards and New Mexico Human Health Standards	G-5
G-2	Federal Surface Water Quality Criteria	G-9
G-3	RCRA Proposed Subpart S Media Action Levels	G-17
G-4	USEPA Health-Based Criteria for the Calculation of Proposed Subpart S Action Levels	G-24
G-5	Potential Location-Specific ARARs	G-35
G-6	Potential Action-Specific Federal ARARS	G-36
I-1	Summary of Soil Core Sample Statistical Results for Landfill No. 25, Cannon AFB, Clovis, New Mexico	I-4
I-2	Frequency of Detection for Soil Core Data for Landfill No. 25 Cannon AFB, Clovis, New Mexico	I-7
I-3	Conclusions of the Shapiro-Wilk Distributional Test for Landfill No. 25, Cannon AFB, Clovis, New Mexico	I-11
I-4	Wilcoxon Test Results for Inorganic Constituents Detected at Landfill No. 25, Cannon AFB, Clovis, New Mexico	I-16
I-5	Background Summary Statistics for Inorganic Constituents Detected at Landfill No. 25, Cannon AFB, Clovis, New Mexico	I-19
I-6	Summary Statistics for Landfill No. 25, Cannon AFB, Clovis, New Mexico	I-21
J-1	Emission Rates and Flux Assuming No Construction Landfill No. 25, Cannon AFB, Clovis, New Mexico	J-3

LIST OF TABLES (Continued)

		Page
J-2	Emission Rates and Flux Associated with Proposed Construction Activity Landfill No. 25, Cannon AFB, Clovis, New Mexico	J-5
J-3	Air Quality Impacts at Off-Site Receptors Landfill No. 25, Cannon AFB, Clovis, New Mexico	J-17
J-4	Air Quality Impacts at Receptors around Landfill Boundary Landfill No. 25, Cannon AFB, Clovis, New Mexico	J-20
J-5	Air Quality Impacts at Proposed Construction Site Landfill No. 25, Cannon AFB, Clovis, New Mexico	J-21
K-1	Average Concentrations of Chemicals Detected in Soil at Landfill No. 25, Cannon AFB, Clovis, New Mexico	K-4
K-2	Estimated Groundwater Concentrations as a Result of Contamination at Landfill No. 25, Canon AFB, Clovis, New Mexico	K-10
L-1	Rainfall/Runoff Estimates for Landfill No. 25, Cannon AFB	L-3
L-2	MUSLE Results	L-5
L-3	Average and Reasonable Extreme Years	L-6
L-4	Average and Reasonable Extreme Yearly Input	L-9
M-1	Concentrations in Soil (Cs) as a Result of Irrigation with Surface Water For 30 Years	M-2
M-2	Concentrations in Soil (Cs) as a Result of Irrigation with Groundwater for 30 Years	M-4
M-3	Plant Uptake Factors for Chemicals of Potential Concern at Landfill No. 25, Cannon AFB, Clovis, New Mexico	M-8
M-4	Concentrations in Plants (Cp) as a Result of Irrigation with Surface Water for 30 Years	M-9
M-5	Concentrations in Plants (Cp) as a Result of Irrigation with Groundwater for 30 Years	M-10

LIST OF TABLES (Continued)

		Page
M-6	Transfer Coefficients for Chemicals of Potential Concern at Landfill No. 25, Cannon AFB, Clovis, New Mexico	M-13
M-7	Concentrations in Dairy Products as a Result of Using the Surface Water for Irrigation and Groundwater for Stock Water	M-14
M-8	Concentrations in Beef as a Result of Using the Surface Water for Irrigation and Groundwater for Stock Water	M-16
M-9	Concentrations in Dairy Products as a Result of Using the Groundwater for Irrigation and Stock Water	M-18
M-10	Concentrations in Beef as a Result of Using the Groundwater for Irrigation and Stock Water	M-20
M-11	Potential Exposure from Inhalation of Ambient Air at Landfill No. 25, Cannon AFB, Clovis, New Mexico (Volatile Chemicals and Fugitive Dust) - Off-Site Residential Scenario	M-26
M-12	Potential Exposure from Inhalation of Ambient Air at Landfill No. 25, Cannon AFB, Clovis, New Mexico (Volatile Chemicals and Fugitive Dust) - Occupational Scenario	M-27
M-13	Potential Exposure from Ingestion of Fruits and Vegetables Associated with Landfill No. 25, Cannon AFB, Clovis, New Mexico	M-28
M-14	Potential Exposure from Ingestion of Meat and Milk Associated with Landfill No. 25, Cannon AFB, Clovis, New Mexico	M-29
M-15	Potential Exposure from Ingestion of Drinking Water Associated with Landfill No. 25, Cannon AFB, Clovis, New Mexico, Off-Site Residential Scenario	M-30
M-16	Potential Exposure from Dermal Contact While Showering with Chemicals Associated with Landfill No. 25, Cannon AFB, Clovis, New Mexico, Off-Site Residential Scenario	M-31
M-17	Potential Exposure from Inhalation of Vapor Phase Chemicals While Showering Associated with Landfill No. 25, Cannon AFB, Clovis, New Mexico, Off-Site Residential Scenario	M-32

LIST OF TABLES (Continued)

		Page
M-18	Potential Exposure from Dermal Contact with Chemicals in Contaminated Soil at Landfill No. 25, Cannon AFB, Clovis, New Mexico, Occupational Scenario	M-33
M-19	Potential Exposure from Ingestion of Contaminated Soil from Landfill No. 25, Cannon AFB, Clovis, New Mexico, Occupational Scenario	M-34
O-1	Summary of Cancer Risks by Scenario, Cannon AFB, Clovis, New Mexico	O-1
O-2	Cancer Risk Summary, Cannon AFB, Clovis, New Mexico	O-2
O-3	Cancer Risk Estimates, Cannon AFB, Clovis, New Mexico	O-4
O-4	Summary of Non-Cancer Risks by Scenario, Cannon AFB, Clovis, New Mexico	O-7
O-5	Non-Cancer Hazard Index Summary, Cannon AFB, Clovis, New Mexico	O-8
O-6	Non-Cancer Risk Estimates, Cannon AFB, Clovis, New Mexico	O-12

APPENDIX A

SCOPE OF SERVICES

FOR LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

A-E INDEFINITE DELIVERY WORK ORDER
SCOPE OF SERVICES
Remedial Investigation/Feasibility Study
Landfill # 25
Cannon Air Force Base, New Mexico

1 Objective. The purpose of this Scope of Services (SOS) is for a CERCLA type Remedial Investigation/Feasibility Study and a RCRA Facility Investigation (RFI)/Corrective Measures Study of a past landfill at Cannon AFB. To assure completeness the investigation shall encompass both CERCLA and RCRA requirements. Necessary data shall be gathered that will allow a complete investigation report, risk assessment, Feasibility Study, Defense Priority Model Data Package, and Decision Document for the site.

2 Scope of Services. The A-E shall do field investigation to acquire data and utilize the data obtained to prepare the documents named above.

2.1 Area to be Investigated. Under this scope of services, the area listed below is to be investigated and documents prepared for the area.

Site	IRP Designation	SWMU #
Landfill # 25	LF - 25	97

2.2 Specific Services Required.

2.2.1 Controlling ARARs and criteria. A-E shall examine all ARARs, CERCLA, and RCRA. All CERCLA and RCRA requirements and New Mexico requirements shall be fulfilled.

2.2.2 Report. The report shall be a Remedial Investigation / Feasibility Study Report following standard CERCLA Remedial Investigation / Feasibility Study Report format. All RCRA requirements shall be included. A section shall be added to the beginning of the report explaining the overlaps and differences.

2.2.3 Laboratory Qualification and Validation. The Laboratory that will be used in this project must already be validated or be capable of readily passing validation by the Corps of Engineers, Missouri River Division (MRD) Laboratory as described later. This is on an analysis per media basis.

2.2.4 Submittals.

The following is a list of the submittals. The schedule of submittals and meetings are listed in latter pages of this SOS. Required numbers and distribution appear at the end of the SOS. **Pre-Draft submittals shall not be submitted to the State or Federal regulatory agencies.** The pre-draft documents are for internal review. Draft and final documents shall be submitted to the State and Federal regulatory agencies.

If necessary and as early as possible.

Documents (A-E LQMP) necessary for MRD Laboratory validation.

Before Field Work begins these documents need approval.

Work Plan (including pre-field work ARARs)
Field Sampling Plan
QAPP, which shall encompass CDAP requirements
Site Safety & Health Plan

During Field Work

Daily Quality Control Reports

After Field Work

Quality Control Summary Report

During Sample Analysis Validation

Analytical Data

After Data Interpretation

Pre-Draft Remedial Investigation Report for internal review
Risk Assessment included in the RI report
Draft Remedial Investigation Report for EPA evaluation
Defense Priority Model (DPM) Data Package
Final Remedial Investigation Report
Pre-Draft Feasibility Study Report for internal review
Draft Feasibility Study Report for EPA evaluation
Final Feasibility Study Report
Draft Decision Documents
Final Decision Documents

2.3 Schedule. The submittals, field work, and meeting schedule:

1992

Award Work Order	10 July
Preliminary Site Survey Visit and Safety Meeting	21 July
Submit Workplan,FSP,QAPP,SSHP,&RFI Supplements or Addendum	24 August
Premobilization Coordination Meeting	24 September
Mobilization	5 October
Demobilization MEETING	21 October
Demobilize	23 October
Submit Quality Control Summary Report	30 November
Lab Analytical Results MEETING	10 December

1993

Submit Pre-Draft RI Report	11 January
Pre-Draft RI Report MEETING	9 February
Submit Draft RI	15 March
Draft RI submitted to EPA Region VI by Base	17 March
Draft RI Meeting	13 May
Submit DPM Ranking Data Package	15 March
Submit Final RI	14 June
Final RI submitted to EPA Region VI by Base	16 June

1993

Submit Pre-Draft FS	11 May
Pre-Draft FS MEETING	8 June
Submit Draft FS	12 July
Draft FS submitted to EPA Region VI from Base	14 July
Draft FS MEETING	14 September
Submit Final FS	18 October
Final FS submitted To EPA Region VI from Base	20 October
Submit Draft Decision Documents	17 August
Draft Decision Document submitted to EPA Region VI by Base	19 August
Draft Decision Document MEETING	19 October
Submit Final Decision Document	22 November
Final Decision Documents submitted to EPA Region VI by Base	24 November

2.3.1 Background Data. The A-E shall review and evaluate existing records, studies, and data concerning the landfill as provided by the Government, or otherwise available.

2.3.2 **Determination of Applicable or Relevant and Appropriate Requirements (ARARs)**. The A-E shall analyze requirements promulgated under federal environmental or state environmental or facility sitting laws to determine which requirements are applicable or relevant and appropriate to the distinctive sets of circumstances and actions contemplated at the specific sites included in this project. This work effort shall be performed in accordance with "CERCLA Compliance with Other Laws Manual "(EPA/540/G-89/006 and EPA/540/G-89/009) and "Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA, Interim Final"(EPA/540/G-89/004). The A-E shall perform the following steps:

2.3.2.1 **Identification**. The A-E shall identify potential chemical-specific, location-specific, and action-specific ARARs. This will involve contacting Federal and State agencies as well as utilizing information provided in the above referenced guidance documents. Identification of potential ARARs will occur during both the RI and the FS.

2.3.2.2 **Analysis**. The A-E shall analyze the potential ARARs to determine whether they are actually applicable to the particular conditions at the sites. If the requirements are not applicable, the A-E shall analyze them to determine whether they are relevant and appropriate to the particular conditions at the sites. The A-E shall determine whether circumstances are present that might justify a waiver of any otherwise applicable or relevant and appropriate requirements.

2.3.2.3 **Utilization**. In the risk assessment process (both during the baseline risk assessment and the analysis of alternatives), the A-E shall utilize actual ARARs as well as other criteria or guidelines "to be considered" (TBCs) to ensure protectiveness and to set protective cleanup level targets (i.e. establish preliminary remediation goals).

2.3.2.4 **Documentation**. The A-E shall maintain a list of potential ARARs as they are identified. Before preparation of the Draft RI report, the A-E shall submit this list to the USACE-PM for approval. The A-E shall provide detailed ARAR and TBC documentation in the RI and FS Reports (The RI Report shall present initial chemical- and location-specific ARARs documentation. The detailed analysis of each alternative in the FS Report shall include a description of all requirements (ARARs) and the reasons for their applicability or relevance and appropriateness. In addition, the FS report shall contain an appendix summarizing the ARARs for each alternative and indicating whether the alternative is anticipated to meet those ARARs, or, if not, what type of waiver would be justified. Specific guidance in the above referenced manuals shall be followed.

2.3.3 Plan Submittal Requirements/Approvals. After receipt of official award of this delivery order, the A-E shall prepare the plans discussed below for field work. These plans shall include a detailed discussion of the technical approach the A-E plans to use to implement the requirements specified herein. All plans must be reviewed and approved by the Contracting Officer prior to commencement of that work effort.

2.3.4 Site Safety and Health Plan (SSHP). The A-E shall develop the SSHP according to details provided in the Health and Safety Instructions, Chapter 23 of this SOS. The SSHP shall be submitted to the USACE-PM for review and approval. Field Activities shall not commence before approval has been granted. This approved plan shall be made available to all the A-E's personnel on-site. The A-E shall insure all subcontractors follow the requirements specified in the SSHP.

2.3.5 Plan Submittals. This section only covers plan submittals which are required prior to commencement of any on-site activity. The laboratory validation section discusses the A-E Laboratory Quality Management Plan (A-E LQMP). This plan must be submitted as soon as possible to initiate the laboratory validation process.

2.3.5.1 General. The A-E, shall prepare a field schedule, Work Plan Supplements, and the Plans discussed below. These plans shall include a detailed discussion of the technical approach the A-E plans to use to implement the requirements specified herein. All Plans must be reviewed and approved by the Contracting Officer (CO) prior to commencement of that work effort.

2.3.5.2 Field Schedule. A field schedule shall be submitted outlining the order of fieldwork that will be conducted at the sites. As a minimum, the schedule should identify the tasks being conducted and the time required for each task.

2.3.5.3 Other documents. The A-E shall submit all other documents required to be submitted as called out in the Health and Safety, Geology, or Chemistry portions of this Scope of Services.

2.4 Field Investigation.

2.4.1 Site-Specific Investigations.

2.4.1.1 Investigations. The investigation shall follow this SOS as to the number of borings and samples. The Chemical Data Acquisition Plan (CDAP) items shall be included into the QAPP and not be a separate document.

2.5 Special Considerations. All materials and data gathered and developed in the performance of this work listed in this Scope shall be the property of the Corps of Engineers, Omaha District. The materials and data shall not be used or distributed by the A-E without the specific written permission from the Corps of Engineers, Omaha District.

3 **Project Management**.

3.1 **Project Engineer**. The Architect-Engineer shall assign a member or employee to be the Project Engineer or Project Manager. This individual will oversee the correlation of the entire project, administer all instructions from this office, and answer or obtain answers to all questions from this office during and after the work.

3.2 **Coordination**. During the prosecution of the work under the contract, the A-E shall keep in close liaison with the Corps of Engineers Project Manager (COE PM), who will coordinate the work with the Base Environmental Coordinator and HQ TAC. All requests made by the Air Force shall be referred to the COE Project Manager.

4 **Base Support**. The A-E shall coordinate all requests for Base support services through the Base Environmental Coordinator. To avoid conflicts and schedule delays, (on the part of both parties) the A-E shall request all Base support services well in advance of their anticipated time of need (at least 15 days minimum). Likewise, it is anticipated that the Base will provide the following information and support to the A-E in a timely fashion upon request:

4.1 **Existing Plans**. The Base shall provide the A-E with existing engineering plans, drawings, diagrams, aerial photos, and other information deemed necessary to evaluate the site being investigated.

4.2 **Utilities.** The A-E and Base shall locate and mark all underground utilities in the vicinity of each site prior to any drilling or digging. The Base representative will provide assistance to the A-E by directing the A-E to the appropriate Base office/personnel or company with the pertinent information (i.e. utilities and sewer & hydrant line location maps). The A-E shall contact and coordinate any necessary site work with the appropriate personnel.

4.3 **Permits.** The Base will issue to the A-E any required or appropriate drilling or digging permits necessary for the completion of the field work. The Base will provide assistance to the A-E by providing the necessary permit forms and directing the A-E to the appropriate authority with the pertinent information. The A-E shall contact and coordinate any necessary site work with the appropriate personnel. Drilling/digging permits shall be strictly adhered to. Failure to comply with permit restrictions and required coordination with Base offices shall result in immediate revocation.

4.4 **Traffic Control**. The A-E shall provide personnel who will provide traffic control where/when necessary during any drilling/sampling activities which may occur on or adjacent to road rights-of-way or other high traffic/congested areas.

4.5 Security. The Base shall provide vehicle passes and/or entry permits for all A-E personnel during the field work duration. Physical security procedures will be necessary for this project. No restricted sites or secure areas need to be entered to carry out this project.

4.6 Equipment Storage. The Base shall provide a staging area for the A-E and his subcontractors to store his equipment, supplies, and drummed materials.

4.7 Water Supply. The Base shall provide a potable (non-chlorinated) water supply (i.e., hose bib or hydrant) to be used for borehole flushing, equipment cleaning, etc. The A-E shall provide his own equipment to draw, transport and store water taken from hose bibs or hydrants.

4.8 Equipment Cleanup. Decontamination area shall be designated by the Base. Sampling wastes shall be handled according to EPA and New Mexico ARARs. A contract modification may be necessary to dispose of wastes.

5 Travel and Meetings. The A-E will perform the following travel as part of the contract requirement, and the cost thereof shall be included with the contract cost. Responsible representatives of the A-E's firm from the appropriate disciplines shall attend meetings and/or make the following listed trips:

5.1 Meetings. Attendance by the A-E will be required at the nine (9) meetings noted below for the reasons stated.

5.1.1 Preliminary Site Survey Visit & Safety Meeting.

5.1.1.1 Purpose. The purpose of this site survey is:

5.1.1.1.1 Aid the A-E in preparation of the A-E Workplan, Quality Assurance Project Plan (QAPP) Field Sampling Plan (FSP), the Site Safety and Health Plan (SSHP), and to discuss the field schedule. The Safety meeting will be held to discuss site specific health and safety concerns.

5.1.1.1.2 Identify locations for field activities (monitoring wells, soil boring and sampling locations) which are noted in this Scope of Services to be "proposed" by the A-E.

5.1.1.2 Location. Site survey and Safety Meeting shall be at Cannon AFB, NM

5.1.1.3 Attendees. Expected attendees are the A-E Project Manager, A-E Project Engineer, A-E Hydrogeologist/Geologist, A-E Health and Safety specialist (Industrial Hygienist), Base Environmental Coordinator, COE Project Manager and USACE Health and Safety Specialist.

5.1.2 Premobilization Coordination Meeting.

5.1.2.1 Purpose. The purpose of this informal meeting will be to allow the A-E and the Base to discuss any concerns that they may have prior to starting the field work. The A-E shall come prepared to discuss the assistance he deems necessary to successfully mobilize his field team. The A-E will provide names, Social Security numbers, driver's license numbers, and vehicle numbers for all persons and equipment to be used during field activities. The A-E shall be responsible for coordinating the time of this meeting with appropriate Base personnel and the COE-PM.

5.1.2.2 Location. This meeting will be held at Cannon AFB, NM in a building to be designated by the Base.

5.1.2.3 Attendees. Expected attendees are the A-E Project Manager, A-E Project Engineer, A-E Field Team Leader, Base Environmental Coordinator, and COE-PM.

5.1.3 Demobilization Meeting.

5.1.3.1 Purpose. The purpose of this informal meeting will be to insure that the A-E and his site investigation forces leave the Base in an orderly state. This meeting shall be held not later than one (1) week prior to the A-E's demobilization from the Base. The A-E shall be responsible for coordinating the time of this meeting with appropriate Base personnel and the COE-PM.

5.1.3.2 Location. This meeting will be held at Cannon AFB, NM in a building to be designated by the Base.

5.1.3.3 Attendees. Expected attendees are the A-E Project Manager, A-E Project Engineer, A-E Project Field Team Leader, Base Environmental Coordinator and the COE-PM.

5.1.4 Analytical Results Meeting.

5.1.4.1 Purpose. The purpose of this meeting will be to allow the A-E to present and informally discuss the project analytical results with the COE analytical staff. This meeting shall be held within 60 days of the demobilization of the field work (or within 30 days of the A-E's receipt of the Government QA results). The A-E shall be prepared to discuss any technical difficulties encountered during sample analysis, any anomalies, false positives or other laboratory problems encountered during analysis with the COE analytical staff.

5.1.4.2 Location. This meeting will be held at the A-E's office.

5.1.4.3 Attendees. Expected attendees are the A-E Project Manager, A-E Lab Director, A-E Quality Assurance Staff, COE Technical Staff, and the COE-PM.

5.1.5 Pre-Draft Remedial Investigation Report Review Meeting.

5.1.5.1 Purpose. The purpose of this informal meeting will be to allow the A-E to present the results of the pre-draft report, answer questions and incorporate appropriate comments and corrections into the draft document. This meeting will be held within 120 days of the demobilization of the field work (or within 60 days of the A-E's receipt of the Government's QA results). The A-E shall be responsible for meeting coordination with the Base/Regulators and COE-PM.

5.1.5.2 Location. This meeting will be held at the Base.

5.1.5.3 Attendees. Expected attendees are HQ TAC-PM, Base Environmental Coordinator, Base Environmental Engineer, A-E Project Manager, A-E Project Engineer, A-E Project Geologist/Hydrogeologist, A-E Chemist, COE Staff and COE-PM.

5.1.6 Pre-Draft Feasibility Study Report Review Meeting.

5.1.6.1 Purpose. The purpose of this informal meeting will be to allow the A-E to present the pre-draft report, answer questions and incorporate appropriate comments and corrections into the draft document.

5.1.6.2 Location. This meeting will be held at the Base.

5.1.6.3 Attendees. Expected attendees are A-E Project Manager, A-E Project Engineer, A-E Project Geologist / Hydrogeologist, A-E Environmental Engineer, CE Staff and CE-PM.

5.1.7 Draft Remedial Investigation Report Meeting.

5.1.7.1 Purpose. The purpose of this formal meeting will be to allow the A-E to present the Draft Report and answer reviewer's comments and questions from the attendees. The A-E shall be responsible for meeting coordinating with Base, Federal and State Regulatory Agencies and the USACE-PM.

5.1.7.2 Location. This meeting will be held at Cannon AFB, NM.

5.1.7.3 Attendees. Expected attendees are HQ TAC-PM, Base Environmental Coordinator, Base Commander, Base Civil Engineer, Base Environmental Specialist, Base Environmental Engineer, Federal and State Regulatory Agency Representatives, A-E Project Manager, A-E Project Engineer, A-E Project Geologist/Hydrogeologist, A-E Chemist, USACE Staff, USACE-PM, Base JAG, Base Public Affairs Representatives.

5.1.8 Draft Feasibility Study Report Meeting.

5.1.8.1 Purpose. The purpose of this formal meeting will be to allow the A-E to present the Draft Report and answer reviewer's comments and answer questions from the attendees. The A-E shall be responsible for meeting coordinating with the Base, Federal and State Regulatory Agencies and the USACE-PM.

5.1.8.2 Location. This meeting will be held at Cannon AFB, NM.

5.1.8.3 Attendees. Expected attendees are HQ TAC-PM, Base Environmental Coordinator, Base Commander, Base Civil Engineer, Base Environmental Specialist, Base Environmental Engineer, Federal and State Regulatory Agency Representatives, A-E Project Manager, A-E Project Engineer, A-E Project Geologist/Hydrogeologist, A-E Environmental Engineer, USACE Staff, USACE-PM, Base JAG, Base Public Affairs Representatives.

5.1.9 Draft Decision Document meeting.

5.1.9.1 Purpose. The purpose of this meeting will be to answer reviewer's comments and questions from the attendees on the Draft Decision Document. The A-E shall be responsible for coordinating the meeting with the Base, Federal and State Regulatory Agencies and the USACE-PM.

5.1.9.2 Location. This meeting will be held at Cannon AFB, NM.

5.1.9.3 Attendees. Expected attendees are HQ TAC-PM, Base Environmental Coordinator, Base Commander, Base Civil Engineer, Base Environmental Specialist, Base Environmental Engineer, Federal and State Regulatory Agency Representatives, A-E Project Manager, A-E Project Engineer, A-E Project Geologist/Hydrogeologist, A-E Environmental Engineer, USACE Staff, USACE-PM, Base JAG, Base Public Affairs Representatives.

5.2 Travel. All travel required to obtain field data necessary to complete the Remedial Investigation Report as detailed herein.

6 General.

6.1 Government Provided Data And Information. Cannon AFB RFI Work Plan Volumes I & II dated June 1990 and Environmental Assessment, Concrete Rubble Pile, SWMU 97 (Tulsa District Report) will be provided to the A-E without written request. The publications listed below will be provided to the A-E upon written request (since these documents are very common, it is assumed that an A-E involved in RI/FS work on a regular basis probably already has a majority of these documents).

(1) ER-110-1-263, Engineering and Design, Chemical Quality Management-Toxic and Hazardous Waste.

(2) ER 385-1-92, Safety and Occupational Health Document Requirements for Hazardous Waste Site Remedial Actions.

(3) EM 385-1-1, Safety and Health Requirements Manual dated April 1981, revised October 19.

(4) User's Guide to the Contract Laboratory Program, EPA, October 1984.

(5) Accident Prevention - FAR Clause 236-13.

(6) A-E Guidance for Developing A-E Quality Management Procedures for Site Investigative Activities.

(7) Sample Handling Protocol for Low, Medium and High Concentration Samples of Hazardous Waste, COE, October 1986.

(8) "EPA - Guidance For Conducting Remedial Investigations and Feasibility Studies Under CERCLA", dated October 1988.

6.2 Review of Progress and Technical Adequacy.

6.2.1 The A-E shall conduct an "In-Progress" review meeting at their office. The purpose of which will be to present preliminary results of the analytical tests. At any other appropriate times, representatives of the Contracting officer may review the progress and technical adequacy of the A-E's work. Such review shall not relieve the A-E from performing all contract requirements, except as may be waived by written instructions.

6.2.2 The A-E, under this contract, will interpose no objection nor restriction to the Contracting Officer's designation of an A-E for the purpose of reviewing the adequacy and corrections of the work performed under this contract.

6.2.3 The A-E shall submit monthly progress reports to the COE with each request for payment. The progress reports shall indicate work performed, costs, and problems incurred during the payment period. The monthly progress reports shall list costs separately to aid the USACE PM in confirming payment requests.

6.3 Conference Notes and Confirmation Notices.

6.3.1 Conference Notes. The A-E will be responsible for taking notes and preparing the reports of all meetings. Three (3) sets of meeting notes shall be prepared in typed form. The three sets shall be furnished the USACE PM. The notes will be provided within approximately seven days after the meeting. All discrepancies shall be discussed with the USACE PM, and if necessary the A-E shall resubmit the report. This report shall include the following items as a minimum:

6.3.1.1 The date and place the conference was held with a list of attendees. The roster of attendees shall include name, organization, and telephone number.

6.3.1.2 Written comments presented by attendees shall be attached to each report with the conference action noted. Conference action shall be "A" for an Approved comment, "D" for a Disapproved comment, "W" for a comment that has been Withdrawn, and "E" for a comment that has an Exception noted.

6.3.1.3 Comments made during the conference, decisions affecting criteria changes, must be recorded in the basic conference notes. Any augmentation of written comments should be documented by the conference notes.

6.3.2 Confirmation Notices. The A-E shall provide a record of all discussions, verbal directions, telephone conversations, etc., participated in by the A-E and/or his representatives on matters relative to this contract and the work, irrespective of whom the other participants may have been. These records, entitled "Confirmation Notices," will be numbered sequentially and shall fully identify participating personnel, subject discussed, and any conclusions reached. The A-E shall forward to the Contracting Officer or his representative as soon as possible (not more than five (5) work days), a reproducible copy of said confirmation notices. Distribution of said confirmation notices will be made by the Government.

6.4 Expert Testimony. All technical consultants required for this investigation will be provided by the A-E and will be qualified to provide expert witness testimony, if required. In the event of litigation, the contract will be modified to compensate the A-E for the additional services required.

7 Reports. The A-E shall develop the following listed reports.

7.1 A-E Daily Quality Control Reports (A-E DQCR). During the field investigation activities, the A-E will provide Daily Quality Control Reports (DQCR) to the Contracting Officer, which will include the information found in "A-E Guidance for Developing A-E Quality Management Procedures for Site Investigative Activities." These reports should be compiled and sent to the project manager every day. However, should problems arise, the A-E should notify the Project Manager immediately.

7.2 A-E Quality Control Summary Report (A-E QCSR). A report submitted by the A-E at the conclusion of the site investigation phase (1) outlining QC practices employed by the A-E including any problems and acceptable corrective actions taken, and (2) containing a consolidation and summary of the A-E daily Quality Control Reports, as prescribed in the contract.

7.3 Pre-Draft Remedial Investigation Report. The A-E shall prepare a pre-draft report summarizing the analytical results of the field investigation activities. A basic outline should be included for the remainder of the Remedial Investigation draft report. The pre-draft report will allow reviewers to draw conclusions with regard to the direction the draft report will be taking.

7.4 Data Validation Report. As outlined in the Chemistry Section VALIDATION OF SW-846 ANALYSES paragraph.

7.5 Pre-draft Feasibility Study Report. The A-E shall prepare a pre-draft report summarizing the options for remediating the site. The pre-draft report will allow reviewers to draw conclusions with regard to the direction the draft report will be taking.

7.6 Draft Remedial Investigation Report. The A-E shall prepare a draft report delineating all findings of the field investigations. The A-E shall adhere to the report format outlined in Chapter 3 of the "EPA - Guidance for Conducting Remedial Investigations And feasibility Studies Under CERCLA", dated October 1988. The A-E shall make every effort to ensure that the draft report is complete, in recommended format, and free of grammatical and typographical errors.

7.7 Draft Decision Document. After the submission of the Final Feasibility Study, the A-E will prepare a Draft Decision Document for the entire Landfill 25 site. The Draft Decision Document shall be submitted to the USACE-PM, the Contracting Officer,HQ TAC, and the State and Federal Regulating Agencies. The A-E will use the information developed during the RI process and contained in the Baseline Risk Assessment and the Feasibility Study to substantiate and justify the conclusions presented in the Draft Decision Document.

7.8 Final Decision Document. After the review meeting for the Draft Decision Document, the A-E shall incorporate the approved reviewer's comments into the draft Decision Document thus producing the Final Decision Document. This Final Decision Document shall address the selected remedial action alternative for the entire Landfill 25 site. The Final Decision Document shall be submitted to the Contracting Officer ,HQ TAC, and the State and Federal Regulating Agencies. The A-E will use the information developed during the RI process and contained in the Baseline Risk Assessment and the Feasibility Study to substantiate and justify the conclusions presented in the Final Decision Document.

7.9 Final Remedial Investigation Report. The A-E shall incorporate all approved comments and suggestions generated during the draft review process into a final document. This document should be error free.

7.10 Draft Feasibility Study Report. The A-E shall prepare a Draft Feasibility Study Report. This document shall be corrected and resubmitted for regulatory review and comment. This report shall be submitted within 30 days of the A-E's receipt of the CE review comments.

7.11 Final Feasibility Study Report. The A-E shall incorporate all approved comments and suggestions generated during the previous review process into a final document. This document should be error free.

8 **Submittals**. A document submittal list indicating the quantity and recipient of the submittals listed below is attached to this Scope Of Services.

8.1 **General Submittal Requirements**.

8.1.1 Distribution. See the Document Submittal List (below) for distribution of documents. In general, the A-E is responsible for reproduction and distribution of all documents. Documents shall be mailed to all reviewers via a carrier service that will provide overnight service, such as Express Mail, unless otherwise noted.

8.1.1.1 Document Submittal List.

US Army Engineer District, Omaha Attn: Steve Peterson, CEMRO-ED-EC 215 North 17th Street Omaha, Nebraska 68102-4978 7326	12 bound copies of all reports 1 unbound file copy 1 set IBM compatible 5.25" disk Word Perfect 5.0 (or 5.1) Files 402-342-0051 X7744; Fax 402-342-
Commander, 27 TFW/CC Attn: Jim Richards, 27 CSG/DEV Environmental Planning Cannon AFB, New Mexico 88103-5128	15 bound copies 1 set IBM compatible 3.5" disk Word Perfect 5.0 Files 505-784-4639 Fax reg 505-784-2739 Fax CoE 505-784-7118
Commander, HQ-AFCEE-ESO-CR Headquarters Air Force Center for Environmental Excellence Environmental Service Office, Central Region Attn: Ron Jans Box 116, 525 Griffin Street, Room 505 Dallas, Texas 75202	1 bound copy 214-767-4648
Command, HQ TAC/DEVR Attn: Joann Hubbard Building 681 Langley AFB, Virginia 23665-5542	3 bound copies 804-764-4430 Fax 804-764-5363

Analytical Data goes to Cannon AFB and MRD Lab

Attn: "Names of individuals" may change during the work order.

8.1.2 Partial Submittals. partial submittals will not be accepted unless prior approval is given by the USACE Project Manager.

8.1.3 Cover Letters. A cover letter should accompany each document and indicate the project, project phase, the date comments are due, to whom comments are to be submitted, the date and location of the review conference, etc., as appropriate. (Note that, depending on the recipient, not all letters should be coordinated with the COE Project Manager prior to the submittal date. The cover letter shall not be bound into the document.

8.1.4 Supporting Data and Calculations. The tabulation of criteria, data, circulations, and etc., which are performed but not included in detail in the report shall be assembled as appendices. Criteria information provided by the Omaha District need not be reiterated, although it should be referenced as appropriate. Persons performing and checking calculations are required to put their full names on the first sheet of all supporting calculations, estimates, and etc., and initial the following sheets. These can not be the same individual. Each sheet must be dated.

8.1.5 Reproducibles. One camera-ready, unbound copy of each submittal shall be provided to the COE. While all submittals should be error-free, an extra effort shall be made to provide an error-free Final Report.

8.2 Specific Submittal Requirements.

8.2.1 A-E Workplan and Field Sampling Plan.

8.2.2 A-E Quality Assurance Project Plan (QAPP).

8.2.3 A-E Site Safety and Health Plan.

8.2.4 A-E Daily Quality Control Reports.

8.2.5 A-E Quality Control Summary Report.

8.2.6 Pre-Draft Remedial Investigation Report

8.2.7 Data Validation Report.

8.2.8 Pre-Draft Feasibility Study Report.

8.2.9 Draft Remedial Investigation Report.

8.2.10 Final Remedial Investigation Report.

8.2.11 Draft Feasibility Study Report.

8.2.12 Final Feasibility Study Report.

8.2.13 Draft Decision Document.

8.2.14 Final Decision Document.

9 Special Considerations.

9.1 General. All materials gathered and developed in the performance of this work listed in this contract shall be the property of the U.S. Army Corps of Engineers/U.S. Air Force and shall not be used, distributed, or published by the A-E without specific permission from the U.S. Army Corps of Engineers/U.S. Air Force.

9.2 Drill Cuttings. Unless otherwise noted in the Site Specific section of this Scope of Services, all drill cuttings are to segregated into uncontaminated, and contaminated cuttings. The A-E is to propose a field screening procedure and contamination level where uncontaminated can be safely distributed on the surface around the boring location and contaminated cuttings are drummed (with the drums being placed on wooden pallets for temporary storage) for later treatment and/or disposal by the A-E. Cuttings, when distributed around the boring are to be evenly distributed and leveled near the boring. Alternatively, uncontaminated cuttings may be disposed of at a site chosen by the site coordinator.The A-E shall determine a procedure for screening, treatment and disposal of any drill fluid used to drill a boring or development water produced during boring or monitoring well installation. The field procedures chosen by the A-E shall be presented to USACE for approval prior to starting.

9.3 Clean-Up. The Contractor, shall, at all times, keep the area, including storage areas used by him, free from accumulation of waste materials or rubbish. Prior to completion of the work, remove from the site all tools, shoring, equipment and materials which are not the property of the Government. Upon completion the contractor shall leave the work premises in a clean, neat and workmanlike condition satisfactory to the Base. Excess material shall be disposed of off base by the Contractor.

9.4 Hazardous Substance. The Contractor is tasked to report any spill of oil or hazardous substance to the Base Environmental Coordinator (24 hours a day, 7 days a week) and to take every reasonable precaution to prevent the spillage of oil or other hazardous substance.

9.5 Mishap Prevention. The Contractor shall comply with all applicable Air Force Command, and installation/facility mishap prevention requirements while operating through or at such an installation/facility.

9.6 Mishap/Hazard Investigation.

9.6.1 The Contractor shall report promptly (within one hour) by telephone to the base all available data relating to each instance of a mishap involving government property. During non duty hours, the command post shall be notified of the mishap.

9.6.2 The Contractor shall secure, and impound, immediately the mishap scene, wreckage, and the mishap documentation until released by the investigating safety officer. Such release will be accomplished through the Base.

9.6.3 The Contractor and all related subcontractors within his control, shall support the government, as it requires, in any mishap or hazard investigation. This support shall include, but not be limited to, technical assistance as well as access to undelivered intern al contractor data.

9.7 Welding. No welding shall be permitted before the Contractor had obtained approval from the base fire marshall/chief. If approval is granted, welding shall be accomplished IAW application safety standards.

9.8 Evacuation. The Contractor shall develop and be prepared to implement procedures for evacuation and/or protection of people and facilities in the event of severe weather. These procedures will include provisions for securing or repositioning of equipment. The Contractor shall notify the Base of any evacuation operations.

10 **Site Specific Geology-Objectives**. The Contractor shall conduct field investigations to complete a Remedial Investigation at Landfill 25 . The primary objectives of these investigations are to further define and confirm contamination present within the landfill and to delineate the boundaries (extent) of two burnpit areas located during previous field activities.

11 General Specifications.

11.1 Utility Clearances and Permits. The Contractor shall be responsible for obtaining the appropriate permits and utility clearances prior to the commencement of the field activities. The Government will provide approximate trenching and soil boring locations in this SOS. If required to move a trench or boring in order to avoid utilities, the Contractor shall be responsible for re-locating the trench or boring to a suitable location which accomplishes the intent of the original location.

11.2 Soil Borings. A total of eleven (11) soil borings shall be drilled through Landfill 25 and one (1) background boring to a depth of 60 feet below native ground surface. The background boring will be taken west of Perimeter Road and North of the sewage lagoons, and the samples will be analyzed the same as the other 60 foot borings. Seven (7) of the eleven (11) borings shall be drilled through former trench locations 2,3,4, and 8 as described in the Sampling And Analysis Plan issued by the Tulsa District Corp of Engineers (December 90). These trenches were excavated by the Tulsa District as part of an environmental assessment performed on a portion of Landfill 25. These borings will be used to confirm the presence of contamination previously identified during this study. Two borings in each location shall be drilled in former trench locations 2 and 4, the depth of each of these borings shall be 10 feet below native ground surface. Three borings shall be drilled in former trench #3, Two of these borings shall be drilled 10 feet below native ground surface and one of the borings shall be drilled 60 feet below native ground surface. Special emphasis should be utilized at this trench location to determine if Benzadine exists in this location. Two borings shall be drilled in former trench location 8, one boring shall be drilled to a depth of 10 feet below native ground surface, and the other boring shall be drilled to a depth of 60 feet below native ground surface. Four more sixty (60) foot soil borings shall be drilled in the locations shown by the "X" on figure 1.

11.2.1 Location. Survey information will be provided from the Tulsa District COE so that trench locations 2,3,4, and 8 may be relocated. Soil borings to be placed in the former trench locations shall be located 2 to 5 feet inside the edge of the long axis of each trench. Trench #3 shall have an additional boring drilled in the center of the former trench for a total of three borings. The four additional soil borings shall be located as shown on figure 1.

11.2.2 Samples. One sample shall be taken from the rubble matrix at a depth directly above the native soil surface. Other samples shall be taken from below the natural ground surface at depths of 4 to 6, and 8 to 10 feet for the 10 foot borings and at 0 (Rubble Matrix directly above natural ground surface), 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 feet for the 60 foot borings.

11.3 Test Trenches. A total of 9 trenches shall be excavated in the south end of landfill 25. these trenches shall be excavated down to a maximum depth of eight feet below the native ground surface. The average length of the trenches is expected to be less than 20 feet. Additional trenching shall be performed to further define the limits of two Burn Areas located during an environmental assessment performed by the COE Tulsa District (December 90).

11.3.1 Location. The general location of the 9 trenches is shown in figure 1. The additional trenching locations for the two Burn Areas shall be obtained from the COE report previously cited. Exact locations of all trenches shall be verified in the field.

11.3.2 Sampling. Three soil samples shall be collected for analysis from each trench location. One sample shall be collected from the surface. A representative rubble matrix sample shall be collected from just above the natural ground surface and a additional soil sample shall be collected from 6-8 feet below the natural ground surface.

11.3.3 Trenching and Sampling Methods. The Contractor shall present the method for trenching and sampling in the WP for approval. Health and safety concerns shall be addressed in the SSHP.

11.3.4 Logging. A trench log shall be prepared for each test trench performed under this SOS. All logs shall subscribe to the following requirements:

11.3.4.1 Logs shall be prepared in the field, as trenches are excavated, by a qualified, experienced geologist or geotechnical engineer. Each log shall be signed by the preparer.

11.3.4.2 All log entries shall be printed. Photo reproductions shall be clear and legible. Illegible or incomplete logs will not be accepted. Copies shall be submitted to USACE-OCHER within three (3) days upon completion of the field work.

11.3.4.3 Depth information shall be from direct measurements accurate to 0.50 foot (nearest 0.10 foot is preferred).

11.3.4.4 Log scale shall be 1 inch = 1 foot.

11.3.4.5 Each and every material type encountered shall be described on the log.

11.3.4.6 Unconsolidated materials shall be described as follows:

11.3.4.6.1 descriptive USCS classification;

11.3.4.6.2 consistency of cohesive materials or apparent density of non-cohesive materials;

11.3.4.6.3 moisture content assessment, e.g., moist, wet, saturated, etc.;

11.3.4.6.4 color;

11.3.4.6.5 other descriptive feature (bedding characteristics, organic materials, macrostructure of fine-grained soils e.g., root holes, fractures, etc.);

11.3.4.6.6 depositional type (alluvium, till, loess, etc.).

11.3.5 Logs shall identify the depth at which water is first encountered, the depth to water at the completion of the trenching and the stabilized depth to water. The absence of water in the trenches shall also be indicated. Stabilized water level data shall include time allowed for levels to stabilize.

11.3.6 Logs shall note type of equipment used (including manufacturer, type or model, maximum stretch length of backhoe arm, in addition to any sampling methods or equipment change.

11.3.7 Logs shall identify any intervals of trench instability.

11.3.8 Any special drilling or sampling problems shall be recorded on logs, including descriptions of problem resolutions.

11.3.9 Logs shall include all other information relevant to a particular investigation, including but not limited to :

a) odors;

b) Hnu/OVA measurements or other field screening or test results; and

c) any observed evidence of contamination in samples, trench cuttings.

11.3.10 Copies of the field logs shall be included in the Draft Project Report; drafted logs shall be submitted in the Final Project Report.

11.4 Backfilling. All test trenches shall be backfilled with material removed from the trench. The trenches shall be backfilled immediately after completion of the logging of the trench. Material shall be tamped occasionally as it is placed by the backhoe to reduce future settlement.

12 Decontamination. All equipment and vehicles shall be free of contamination before entering the work site. All equipment and vehicles shall be decontaminated before departing the work site by high pressure steam cleaning.

13 Surveys. All trench and soil boring locations shall be staked to facilitate subsequent surveying. Each end of a trench shall be staked with a two by two inch (2" x 2") hub pounded flush with the grade and a three foot (3 ft.) length flat lath tied with fluorescent ribbon. Each lath shall clearly identify the trench number. Locations of the trenches shall be noted in field notes and shall be referenced to permanent features or structures (telephones poles, buildings, etc. to facilitate re-location by A-E survey teams. See Paragraph 16.9 in this SOS for more information.

14 Site Specific Scope of Services. Sections 10 through 13 are considered site specific geology requirements and sections 15 through 18 are considered general geology requirements. If there are any inconsistencies or conflicts between the "site specific" and "general" versions of the Scope of Services, the A-E shall implement the instructions in the Site Specific Scope of Services. The terms site coordinator, Draft Project Report and Final Project Report referenced in this document shall be defined in the Site Specific Scope of Services. If there are any questions that cannot be resolved the A-E shall contact the USACE geologist for clarification. The A-E shall disregard all portions of the general scope that do not apply to the tasks as outlined in the Site Specific Scope of Services. For example, if no new monitoring wells are to be installed then the A-E has no reason to refer to the sections on monitoring well installation, construction diagrams, etc.

15 Field Investigations. A Quality Assurance Project Plan (QAPP) which will include elements from a Chemical Data Acquisition Plan (CDAP) shall be submitted by the A-E for approval before any field work is begun. This plan shall include, at a minimum, the A-E's methods, equipment, and procedures for carrying out all field work including drilling, soil, sediment, ground water and surface water sampling, monitoring well installation, well development, ground water sampling, and decontamination procedures. The A-E shall provide a qualified geologist or geotechnical engineer who shall be on site and responsible for all soil sampling during all soil sampling activities. A qualified geologist shall be on site and responsible for all monitoring well drilling, installation, development and testing activities. The A-E shall notify the U.S. Army Corps of Engineers (USACE) representative at least one week prior to the initiation of any of the above field investigations so that a USACE representative can plan to be present for field oversight.

16 Soil Borings (General). Soil borings will be required to investigate the vertical and horizontal extent of site-specific contaminants. Guidance for all field activities may be obtained from CEMRD Policy Letter # 90-001 Installation of Ground-Water Monitoring Wells and Exploratory Borings at Hazardous Waste Sites. All borings for soil sampling will be drilled and sampled according to the following requirements.

16.1 Not used.

16.2 Not used.

16.3 Drilling Methods and Decontamination. All borings shall be drilled by a method of the A-E's choosing. The method(s) shall be proposed by the A-E and approved by the USACE prior to use. The method(s) shall also be discussed in the QAPP. The drilling method must allow, or provisions must be made for, accurate determination of the depth to ground water surface. All drill pipe, the working face of the drill rig, sampling equipment, and other equipment shall be steam cleaned prior to use at each well. Soil samples taken for chemical sampling purposes shall be obtained with a stainless steel split-spoon sampler. Soil volume recovered shall be adequate for analytical requirements. Use of a 3-inch diameter split spoon may be required. If the sample volume is not adequate, another sample shall be attempted from directly beneath the previous sample location. If at this time sample quantities are still insufficient for chemical analysis the A-E shall contact the USACE Project Geologist for additional direction. Some soil samples for chemical analysis may be obtained with a stainless steel hand auger. All sampling equipment shall be decontaminated before use by steam cleaning or using Liquinox or equivalent, followed by a tap water rinse, an isopropanol rinse, and a double deionized water rinse. Rinse waters shall be contained in pump sprayers to prevent used rinse water from contaminating subsequent samples. The working face of the rig and drill rods shall be steam cleaned between holes. The rig shall be free of leaks which could contaminate the holes (i.e., hydraulic fluid, oil, gas, etc.). No grease shall be used on drill pipe joints; however, Teflon tape or vegetable oil is acceptable. Air quality shall be monitored in and near the hole during drilling using a photoionization detector (PID) or organic vapor detector (OVA).

16.4 Geotechnical Sampling Requirements. In addition to samples required for chemical analysis described in the Site Specific section of this Scope of Services, soil samples shall be taken for lithologic description as described below:

Test Type	Number of Tests
Gradation analysis (ASTM D 420 & 422)	Two per boring.
Standard Penetration Test (ASTM D 1586-84)	Every 5 feet through the landfill and every five feet thereafter.

16.5 Logs. All drill logs shall subscribe to the following requirements:

16.5.1 Logs shall be prepared in the field, as borings are drilled, by a qualified, experienced geologist or geotechnical engineer. Each log shall be signed by the preparer.

16.5.2 All log entries shall be printed. Photo reproductions shall be clear and legible. Illegible or incomplete logs will not be accepted. Copies shall be submitted to USACE-PM on a daily basis.

16.5.3 Borehole depth information shall be from direct measurements accurate to 0.10 feet.

16.5.4 Logs shall be prepared on the attached sheets.

16.5.5 All relevant information blanks in the log heading and log body shall be completed. If surveyed horizontal control is not available at the time of drilling, location sketches referenced by measured distances or prominent surface features, shall be shown on, or attached to the log.

16.5.6 Log scale shall be 1 inch = 1 foot.

16.5.7 Each and every material type encountered shall be described in column c of the log form. (Material types are to be logged directly from samples and indirectly interpolated using professional judgement, drill cuttings, drill action, etc., between sampling intervals.)

16.5.8 Unconsolidated materials shall be described as outlined below and in the following sequence:

16.5.8.1 Descriptive USCS classification in accordance with ASTM D 2488 - 84;

16.5.8.2 Consistency of cohesive materials or apparent density of non-cohesive materials;

16.5.8.3 Moisture content assessment, e.g., moist, wet, saturated, etc.;

16.5.8.4 Color;

16.5.8.5 Other descriptive feature (bedding characteristics, organic materials, macrostructure of fine-grained soils e.g., root holes, fractures, etc.);

16.5.8.6 Depositional type (alluvium, till, loess, etc.).

16.5.9 Rock materials shall be described in the sequence outlined below and in accordance with standard geologic nomenclature, including:

16.5.9.1 rock type;

16.5.9.2 relative hardness;

16.5.9.3 density;

16.5.9.4 texture;

16.5.9.5 color;

16.5.9.6 weathering;

16.5.9.7 bedding;

16.5.9.8 fractures, joints, bedding planes, and cavities, including any filling material and whether open or closed; and

16.5.9.9 other descriptive features (fossils, pits, crystals, etc.).

16.5.10 Stratigraphic/lithologic changes shall be identified in column c by a solid horizontal line at the appropriate scale depth on the log which corresponds to measured borehole depths at which changes occur, measured and recorded to the nearest 0.1 foot. Gradational transitions, changes identified from cuttings or methods other than direct observation and measurement shall be identified by a horizontal dashed line at the appropriate scale depth based on the best judgment of the logger.

16.5.11 Logs shall clearly show in columns e and f, the depth intervals from which all samples are retained.

16.5.12 Logs shall identify the depth at which water is first encountered, the depth to water at the completion of drilling and the stabilized depth to water. The absence of water in borings shall also be indicated. Stabilized water level data shall include time allowed for levels to stabilize.

16.5.13 Logs shall show borehole and sample diameters and depths at which drilling or sampling methods or equipment change.

16.5.14 Logs shall show total depth of penetration and sampling. The bottom of the hole shall be so identified on the log by solid double lines from margin to margin with the notation "bottom of hole."

16.5.15 Logs shall identify any drilling fluid losses including depths at which they occur, rate of loss and total volume lost.

16.5.16 Logs shall show drilling fluids used including, as appropriate:

16.5.16.1 source of make-up water;

16.5.16.2 drill fluid additives by brand and product name, and mixture proportions; and

16.5.16.3 type of filter for compressed air.

16.5.17 Logs shall show depths and types of any temporary casing used.

16.5.18 Logs shall identify any intervals of hole instability.

16.5.19 Intervals of lost bedrock core shall be shown in column e. Intervals of intact soil sampling attempts shall also be shown in column e, including depths from which attempts were made and length of sample recovered from each attempt. Bedrock coring information shall be recorded in consecutively numbered runs in column h and shall include the following:

16.5.19.1 start and stop time of each core run;

16.5.19.2 depth to top and bottom of each core run;

16.5.19.3 length of core recovered from each run.

16.5.19.4 size and type of coring bit and barrel; and

16.5.19.5 measured depth to the bottom of the hole after core is removed from each run.

16.5.20 Any special drilling or sampling problems shall be recorded on logs, including descriptions of problem resolutions.

16.5.21 Logs shall include all other information relevant to a particular investigation, including but not limited to :

16.5.21.1 odors;

16.5.21.2 Hnu/OVA measurements or other field screening or test results; and

16.5.21.3 any observed evidence of contamination in samples, cuttings or drilling fluids.

16.5.22 Copies of the field logs shall be included in the Draft Project Report and Final Project Report; drafted boring logs shall be submitted in the Final Project Report.

16.6 Not Used.

16.7 Backfilling. All borings shall be backfilled by tamping the cuttings back into the hole or all borings shall be backfilled with the grout mixture described in paragraph 4.5 and tremied into place. All borings shall be backfilled immediately after the sampling is completed unless saturated conditions have been encountered or a monitoring well is installed. In borings encountering saturated conditions, a 24-hour ground-water level shall be measured before backfilling. Borings left open overnight shall be covered to lessen the potential for injury to personnel and to minimize the potential for any surface drainage entering the boring.

16.8 Drill Cuttings. Unless otherwise noted in the Site Specific section of this Scope of Services, all drill cuttings are to segregated into uncontaminated and contaminated cuttings. The A-E is to propose a field screening procedure and contamination level where uncontaminated-minimally cuttings can be safely distributed on the surface around the boring location and contaminated cuttings are drummed for later treatment and/or disposal by the A-E. Cuttings, when distributed around the boring are to be evenly distributed and leveled near the boring. Alternatively, uncontaminated or decontaminated cuttings may be disposed of at a site chosen by the site coordinator.The A-E shall determine a procedure for screening, treatment and disposal of any drill fluid used to drill a boring or development water produced during boring or monitoring well installation. The field procedures chosen by the A-E shall be presented to USACE for approval prior to starting field work.

16.9 Surveys (General). All sampling locations shall be staked to facilitate subsequent surveying. The A-E shall perform all surveys required for this project and shall supply this office with the original or a legible reproducible copy of the surveys and field books. The surveys shall at least conform to the requirements stated in the following paragraphs.

16.9.1 Not used.

16.9.2 Soil Borings/Sampling. All soil sampling locations shall be located horizontally. Each location shall be determined to the nearest foot, as measured from a permanent surface feature at or near each site.

16.9.3 Not used.

17 Sampling Techniques - Equipment and Methods.

17.1 Soil Sampling. Sampling for chemical analysis shall be performed using a stainless steel split-spoon sampler. Soil grab samples for volatile organic or semi-volatile analyses shall be obtained by subsampling the material retrieved in the split spoon. Subsampling shall be done immediately upon opening the split spoon, and shall be done as soon as possible once the split-spoon sample is taken from the boring. The portion of the split-spoon sample which represents slough shall not be sub-sampled. All sampling devices and decontamination procedures shall be performed in a manner consistent with the most recent EPA guidelines, but as a minimum shall consist of steam cleaning or using Liquinox or equivalent, followed by a tap water rinse, an isopropanol rinse, and a double deionized water rinse. Compositing of soil samples for total organic carbon, total recoverable petroleum hydrocarbons, and metals, shall be performed in a stainless steel bowl using stainless steel stirring devices that have been decontaminated prior to each compositing procedure. This decontamination procedure will be the same as that specified for sampling equipment. Sampling equipment, sampling methods and decontamination procedures shall be clearly indicated by the A-E in the A-E Chemical Data Acquisition Plan (A-E CDAP).

18 Not used.

19 Chemical Analytical Plan- General. Sampling activities and chemical analysis for the investigation of the Landfills at Cannon AFB Base must follow appropriate procedures necessary to obtain defensible data. The following sections refer to the acquisition of good quality data generally found in ER-1110-1-263, 1 October 1990. These sections have been revised where necessary and included here for emphasis. All procedures and activities performed in the acquisition of data as described below must be included in the Chemical Data Acquisition Plan (CDAP) for approval.

20 Chemical Data Acquisition

20.1 Definition and Responsibility. Chemical data acquisition (CDA) consists of all field activities, laboratory activities, and contract deliverables related to the acquisition and reporting of chemical data for HTW investigation or remedial activities, which would include applicable activities at Cannon AFB. Chemical Data Acquisition as described in the CDAP must be approved by the CO prior to initiation of field work. In the event corrections and comments on the draft are provided by the CO, the changes, documented by written annotated comments shall be incorporated by the authors in a revised plan before final approval is given. It should be noted that the purpose and content of the CDAP are the same as the QAPP required for Superfund investigations by the EPA. Additional requirements by the State of New Mexico shall also be addressed.

20.2 USACE Chemical Quality Data Management. USACE requires that Quality Control (QC) and Quality Assurance (QA) samples be collected and analyzed by the contract laboratory and the USACE QA laboratory, respectively. These QC and QA samples include splits or replicates of field samples. QC samples, help the contractor and contract laboratory to identify and diagnose problems related to sampling and analysis. QA samples, are sent to a USACE QA laboratory by overnight delivery for government monitoring of sampling and contract laboratory performance. The number of QA/QC samples to be taken shall be detailed in the CDAP under Chemical Data Quality Objectives. When the following procedures, performed by the USACE QA laboratory, demonstrate that chemical quality control contract requirements were not met, samples may be reanalyzed and/or re-sampled at the expense of the prime contractor:

20.2.1 Inspection of QA samples to insure that sampling procedures correspond to Chemical Data Acquisition with regard to sample containers, preservation, labeling, chain of custody, etc.

20.2.2 Analyses of QA samples.

20.2.3 Evaluation of contractor deliverables specified for the acquisition of data.

20.2.4 Comparison of analytical results obtained by contract laboratory and USACE QA laboratory from split or replicate samples. The procedures for obtaining QA laboratory services are in Appendix E to ER 1110-1-263.

20.3 Contract Laboratory Validation. Any laboratory performing chemical analyses shall be validated by USACE Missouri River Division (CEMRD-ED-EC). Laboratories are validated for each environmental matrix and each specific analytical method to be employed. If the prime contractor selects a laboratory which has a current (within 1 year) validation for all analytes and matrices specific to its project, additional evaluation will not be necessary. If the prime contractor selects a laboratory which does not have a current validation, the laboratory shall be validated prior to approval of the CDAP. Commercial laboratory validation procedures are in Appendix C to ER 1110-1-263. Samples may not be subcontracted to another laboratory without the approval of CEMRD and unless the second laboratory is validated for the parameters concerned.

20.3.1 The prime contractor or the contract laboratory will hold or make available all project raw data for a period of five years after samples have been analyzed.

20.4 QUALITY ASSURANCE PROJECT PLAN will include the standard CHEMICAL DATA ACQUISITION elements of the CDAP include the following as a minimum.

20.4.1 Project Description. This section shall include a description of the work site and any unusual conditions. Anticipated project start and completion dates shall be estimated. This section shall also provide a summary of past and future work at the site including past multimedia chemical data of significance as well as a presentation of the multimedia sampling to be carried out in the present work effort. It is the intent at Cannon AFB to investigate the soil samples at these landfills.

20.4.2 Chemical Data Quality Objectives. This section shall include a description of the general scope of work and relevant background information as it relates to the acquisition of chemical analytical data. State the objectives of the project: what questions must be answered and what decisions must be made. Describe the level and extent of chemical data required to answer questions and support decisions during the project: the approach for sample collection, sample analysis, and QA/QC which will result in the required chemical data.

20.4.3 Contractor Project Organization and Functional Area Responsibilities. The project organization for the prime contractor and any subcontractors shall be clearly defined with a discussion of quality control responsibilities. The prime contractor's Quality Assurance (QA) Officer shall report to a responsible senior officer of the company (i.e., QA management shall be separate from project management). A list of all individuals shall be provided and will include QC officers for the various components (those responsible for initiating and carrying out corrective actions and those involved in the data reporting sequence) and all analytical laboratory personnel (supervisors, chemists, and technicians). Resumes of all non-laboratory A-E/Contractor personnel listing education and experience are required, including personnel collecting samples. List the names of field personnel that will wear monitoring equipment. For laboratory personnel that are not included in the Lab Quality Management Plan, resumes listing education and experience are required.

20.4.4 Field Activities. Briefly summarize types of field activities required by the project.

20.4.5 List of Equipment, Containers, and Supplies to be taken to the Field. This section shall include all sample screening equipment to be used (brand, model, serial number) and a description of its calibration as well as sampling equipment, decontamination supplies and sample containers (specific numbers and types).

20.4.6 Sampling Locations. This section shall provide the location of each sampling point on a site map. These locations shall be identified by the Contractor after a visual inspection if they are not already specified. The rationale for the sampling location and frequency (including QA/QC) shall be addressed in the Section Data Quality Objectives.

20.4.7 Sampling and Preservation Procedures. The CDAP shall include a table, which lists sampling locations, matrix (waste, soil, water, etc.), number of field samples, number of split or replicate samples, etc. Specific sampling, preservation, etc., details shall be included. All details shall meet the requirements of one of the following: (a) EPA SW-846 method; (b) another EPA method; (c) ASTM method; (d) NIOSH method (for air sampling); or (e) another accepted published method. Container and preservation specifications shall meet all appropriate requirement. (see Appendix F to ER 1110-1-263). Each table entry shall include the reference, if any, from which the specifications were taken. Any modifications to the standard methods must be approved by the CO with the concurrence of the QA laboratory prior to their use. All methods should be referenced to the most recent edition of their source. If a standard method is not available, the Contractor or subcontractors shall propose a nonstandard method with validation data for approval by the CO.

20.4.8 Details of Sampling and Preservation Procedures. The composition and volume of sample containers shall be specified along with a description of their preparation and cleaning. Sampling equipment directly contacting the sample shall be stainless steel or Teflon. The CDAP shall describe the cleaning of equipment and precautions for prevention of sample cross contamination during collection. Any field screening methods employed to select samples for analyses shall be discussed in detail. Compositing and homogenizing procedures shall be included where appropriate. Sample containers, volumes, preservatives and holding times for the common analyses in low concentration are presented in Table 1 & Table 2. A more detailed table is presented in Table F-1 and F-2 of the Sample Handling Protocol (Appendix F) of ER 1110-1-263.

20.4.8.1 Soil Sampling Procedure. Using stainless steel or Teflon sampling equipment enough solid is removed from a specified depth to fill the required containers. The volatile organic samples should be removed first with as little mixing as possible. The remaining soil shall be placed in a clean stainless steel bowl and mixed thoroughly with stainless steel implements (spoons, spades, etc.), then divided among the sample containers to be filled and properly preserved. QC and/or QA sample containers shall be filled from the same mixture as one of the samples. If other methodologies are warranted as specified by the Data Quality Objectives they must also be clearly defined in the CDAP.

20.4.8.2 Water Sampling Procedure. Water sampling is not anticipated as this time. However, should there be a need for water sampling, the following applies. An attempt shall be made to obtain the most representative water samples where appropriate, which includes field blanks,etc. Containers to be analyzed for volatiles should be filled first allowing no headspace and with as little disturbance of the water as possible. If preservative is added to the bottles prior to shipment to the field, care must be taken not to overfill the containers and Ph must be measured on samples where a value is specified.

20.4.8.3 Other Matrices. Sampling methods and equipment used shall meet the requirements of EPA or NIOSH methods.

20.4.9 Field Documentation. The system for identifying and tracking the samples shall be described, and shall include the recording of field data in permanently bound notebooks along with the method of relating the field data to the proper samples. All field documentation shall be done in indelible ink. Daily Quality Control Reports shall be prepared daily, dated, signed by the site manager, and sent to the CO at a rate approved by the CO. These reports shall include (with respect to chemistry) weather information at the time of sampling, samples taken with reference given to appropriate sections of the CDAP, field instrument measurements and calibrations. Any deviations from the CDAP shall be stated.

20.4.10 Sample Chain of Custody and Transportation. All sample labeling, packing, transportation and chain of custody procedures shall follow the USACE Sample Handling Protocol (Appendix F to ER 1110-1-263).

20.4.11 Laboratory Analytical Procedures. Specific laboratory procedural details shall be included. Each method shall be specified exactly and in detail by one of the following: (a) reference to an EPA SW-846 method; (b) reference to another EPA method; (c) reference to an ASTM method; (d) reference to a NIOSH method (for air analysis); (e) reference to another accepted published method; (f) reference to an accepted published method with a description of any deviations from the published procedure; or (g) complete description of the procedure, e.g., copies of laboratory instructions. EPA SW-846 methods shall be used where possible. Generally, nonstandard methods are not allowed. In special cases that require the consideration of nonstandard methods, the contract laboratory shall be prepared to provide validation data. The use of proposed nonstandard methods requires prior approval of the CO. A list of sample preparation and analytical methods most frequently used is presented in Table D-2 (ER-1110-1-263). A table shall be included which lists for each matrix sample preparation method number, analytical method number, analytes and laboratory quantitation limits.

20.4.12 Preventive Maintenance. The instrument, including manufacturer, model, accessories, etc., shall be specified and preventive maintenance shall be described. Preventive maintenance shall be performed by qualified personnel. Records of repairs, adjustments and calibrations shall be maintained and available for inspection by the CO on request. This includes any field instrumentation.

20.4.13 Instrument Calibration and Frequency. Description of the procedure used for calibration and frequency of checks is required for each instrument or method including field instruments. These shall be consistent with the requirements of the contract and the analytical method.

20.4.14 Analytical Methods. Include the required concentration range and data on the sensitivity (detection limits), precision, and accuracy. Indicate how pre-existing data on sensitivity, precision, and accuracy were determined, and procedures to be used to validate the method. State source and purity of analytical reference materials and laboratory chemicals necessary to perform the analyses. Nominal detection limits for common analytes are given Appendix D Tables D-3 through D-6 of the ER-1110-1-263. DQO's for specific projects will affect the value of required detection limits and goals for precision, accuracy, and completeness.

20.4.15 Method Specific Data Quality Objectives. Provide objectives for precision, accuracy, detection limits, and completeness. DQO's for accuracy and precision established for each measurement parameter will be based on prior knowledge of the specific measurement system used and method validation studies employing replicate analyses, spikes, standards, calibrations, recoveries, control charts and project specific requirements. Completeness refers to the amount of valid data obtainable (by the specific method in the laboratory used with the instrument to be employed) from a measurement system compared to the expected amount of data, and is usually expressed as a percentage.

20.4.16 Quality Control Checks. Quality control checks are necessary to evaluate performance reliability for each measurement parameter. Describe procedures to assess the precision, accuracy and completeness of the measurement. The numbers and types of internal laboratory QC checks and samples proposed (e.g., blanks, duplicates, splits, spikes, surrogates, and reference standards, as applicable) shall be defined clearly. At a minimum these must be run at the rates prescribed in the individual methods. The laboratory's established practice for including control samples among the samples analyzed, and any additional controls required by the present project, shall be described. Describe the feedback systems used to identify problems by means of the results obtained from control samples. Limits of data acceptability shall be included. Results from laboratory internal quality control checks shall be reported with the analytical data.

20.4.17 Corrective Action. Plans for corrective actions to be taken when results appear unusual, questionable, or limits of acceptability are exceeded shall be included. When limits of acceptability are exceeded, information justifying the poor recovery or precision shall be documented. Describe how reestablishment of control is demonstrated.

20.4.18 Data Reduction, Validation, and Documentation. Equations, including units, required to calculate the concentration or value of the measured parameter, shall be included. Describe the data management systems which collect raw data, store data, and document quality control data. If statistical procedures are used for data review before reporting, include descriptions. Data validation procedures and organization shall be specified. The contract laboratory or the prime contractor hold and make available all project raw data for a period of ten years after samples have been analyzed.

20.4.19 Chemical Data Quality Control Deliverables. The contractor shall address the frequency and content of chemical data quality control reports that shall be submitted during the project.

20.4.19.1 Daily Quality Control Report (DQCR) during field activities.

20.4.19.2 Daily Quality Control Report from the contract laboratory if appropriate.

20.4.19.3 Non-routine Occurrences. Include problems identified, corrective actions, and verbal/written instructions from USACE personnel for sampling or re-analysis. These reports of significant problems should be sent to the CO within 48 hours of the occurrence.

20.4.19.4 Data Report to the QA Laboratory. The contractor's data must be submitted to the designated quality assurance laboratory (for data validation and comparison purposes) as soon as it is available. This submittal should include all sample, blank and internal quality control results such as spike and surrogate recoveries and agreement between replicate analyses. Interim data reports may be requested if the project warrants them. The following are minimum data reporting requirements:

20.4.19.4.1 Sample IDs. The contractor shall prepare a tabular presentation which matches contract laboratory sample IDs to QA laboratory sample IDs. This table shall identify all Field Duplicates and Field Blanks as such and match with their corresponding field samples where applicable.

20.4.19.4.2 Sample Receipt. The contractor shall complete and report a "Cooler Receipt Form" for all shipments for purposes of noting problems in sample packaging, chain-of-custody, and sample preservation. An example form is available from the Missouri River Division Laboratory.

20.4.19.4.3 The Quality Assurance (QA) Laboratory for this project shall be the Corps of Engineers, Missouri River Division Laboratory (CEMRD-ED-LC). The QA lab shall be notified approximately one (1) week prior to any QA sample shipments being shipped to the CEMRD laboratory. Saturday shipment arrivals shall be cleared with the lab in advance.

The QA shipping address is:

COMMANDER,
U.S.ARMY CORPS OF ENGINEERS, MISSOURI RIVER DIVISION
ATTN: CEMRD-ED-LC (Sample Custodian)
420 South 18th Street
Omaha, NE 68102-2586
Telephone: (402) 444-4314

Sample acceptance is normally 8:00 Am to 3:30 PM Monday through Friday.

20.4.19.4.4 General Organic And Inorganic Reporting. For each analytical method run, the contractor shall report all analytes for each sample as a detected concentration or as less than the specific limits of quantitation. Generally, all samples with out-of-control spike recoveries being blamed on matrix interferences shall be designated as such. All soil samples shall be reported on a dry-weight basis with percent moisture also reported unless otherwise approved. The contractor shall also report dilution factors for each sample as well as the date of extraction (if applicable) and date of analysis.

20.4.19.4.5 Internal Quality Control Reporting (at a minimum, internal quality control samples shall be analyzed at rates specified in the specific methods or higher rates if required to meet project specific Data Quality Objectives):

20.4.19.4.5.1 Laboratory Blanks (Method Blanks and Instrument Blanks). All analytes shall be reported for each laboratory blank. All non-blank sample results shall be designated as corresponding to a particular laboratory blank in term of analytical batch processing.

20.4.19.4.5.2 Surrogate Spike Samples. Surrogate Spike Recoveries shall be reported with all organic method reports where appropriate (i.e. when the method requires surrogate spikes). The report shall also specify the control limits for surrogate spike results as well as the spiking concentration. Any out-of-control recoveries (as defined in the specified method) shall result in the sample being rerun (both sets of data are to be reported) at no additional cost to the government.

20.4.19.4.5.3 Matrix Spike Samples. Matrix Spike Recoveries shall be reported for all organic and inorganic analyses. All general sample results shall be designated as corresponding to a particular matrix spike sample. The report shall indicate what field sample was spiked even if it was not a Corps of Engineers project sample. The report shall also specify the control limits for matrix spike results for each method for each matrix.

20.4.19.4.5.4 Laboratory Duplicates and/or Matrix Spike Duplicate Pairs. Relative Percent Difference shall be reported for all duplicate pairs as well as analyte/matrix specific control limits.

20.4.19.5 Quality Control Summary Report (QCSR). This document addresses quality control practices employed and summarizes the DQCR. Issues covered in this report shall include a discussion of all data points which may have been influenced or compromised and their impact on the Data Quality Objectives or remedial decisions. An example of the elements required for this level of effort are presented below, but are not limited to the following items:

20.4.19.5.1 Project Description - Elements of this include report organization and site description.

20.4.19.5.2 Laboratory Quality Control Activities - Elements are a summary of planned laboratory quality control activities, a summary of any deviations from planned activities, and a summary of the evaluation of the data quality for each analysis and matrix.

20.4.19.5.3 Field Quality Control Activities - Elements are a summary of planned field quality control activities, a summary of any deviations from planned activities, and a summary of the evaluation of the quality of the sampling.

20.4.19.5.4 Data Presentation and Evaluation - Elements are an assessment of sampling and analysis techniques, an evaluation of the data quality of each matrix and parameter, and an evaluation of the usability of the data.

20.4.19.5.5 Lessons Learned - A summary of field or analytical procedures that could be changed or modified to better characterize chemical contamination in future work efforts.

20.4.19.5.6 DQCR Consolidation - Daily Quality Control Reports are to be consolidated and summarized.

21 Analytical Requirements. The following matrix-specific analytical methods are recommended for the soil samples taken from the from the sites along with appropriate digestion methods must be specified in the CDAP unless otherwise approved by the Corps of Engineers. These methods must be EPA-approved and consistent with any applicable current State of New Mexico requirements as well as meeting specific Data Quality Objectives. The objectives and rationale and end data use for these methods must be clearly stated in the CDAP. These methods must be followed explicitly and all quality control procedures detailed in the respective methods unless otherwise authorized by the Corps of Engineers. Analytical and statistical control parameters are outlined in the section of this Scope of Services concerned with chemical data acquisition and must be consistent with the ER-1110-1-263, 1 October 1990.

21.1 Soil. Soil samples taken from the previously documented sites shall be analyzed by approved EPA methods as described in the current edition SW-846, unless otherwise indicated. These methods must be detailed as described above for the CDAP.

21.1.1 Total Metals.

21.1.1.1 Target Analyte List (TAL) metals are aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium and zinc. The TAL metals shall be analyzed by Methods 3050/6010 except for Arsenic, and selenium which shall be analyzed by the respective graphite furnace methods 3050/7060, and 3050/7740. Mercury shall be analyzed by cold vapor Method 7471.

21.1.1.2 Priority Pollutant List (PPL) metals are antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc. The PPL metals shall be analyzed by Methods 3050/6010 except for Arsenic, and selenium which shall be analyzed by the respective graphite furnace methods 3050/7060, and 3050/7740. Mercury shall be analyzed by cold vapor Method 7471.

21.1.1.3 RCRA metals are arsenic, cadmium, chromium, copper, mercury, selenium, silver and zinc. Arsenic, and selenium shall be analyzed by the respective graphite furnace methods 3050/7060, and 3050/7740. Mercury shall be analyzed by cold vapor Method 7471.

21.1.2 Volatile organics shall be analyzed by 8240 using column specified for all compounds listed in the Targeted Compound List of this method unless otherwise approved. (This analysis shall also include a ten peak library search for the tentative identification of compounds not on the above list for the landfill site only). This method is recommended based upon its potential for positive identification. Also, through the use of capillary column separation the advantage of using strictly GC methodology for soils (8010, 8020,etc.) is greatly diminished if not inappropriate. The contaminants of concern based on historical discharges include various chlorinated hydrocarbon solvents and associated breakdown products, and fuel related aromatics.

21.1.3 Semi-volatile organics shall be prepared by methods 3510 or 3520 and analyzed by method 8270 for all compounds in the Targeted Compound List (TCL) of this method unless otherwise approved by the Corps. In addition, a twenty peak library search shall tentatively identify compounds not listed in the TCL. Appropriate extract cleanup methods shall also be performed where needed as specified in Section 7.2 of this method. Again, as with the volatiles due to the nature of the matrices, this method is selected over individual GC methods due to the probability of substantial interference. Although detection limits may or may not be higher, the power of this method lies in its potential for cost-effective identification. GC methods do not necessarily achieve better detection limits than GC/MS in difficult matrices, however, this is operator-dependent.

21.2 Water. Water Samples taken from the previously documented sites shall be analyzed by approved EPA methods as described in the current edition SW-846, unless otherwise indicated. These methods must be detailed as described above for the CDAP.

21.2.1 Total Metals.

21.2.1.1 Target Analyte List (TAL) metals are aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium and zinc. The TAL metals shall be analyzed by Methods 3005/6010 except for Arsenic, and selenium which shall be analyzed by the respective graphite furnace methods 3005/7060, and 3005/7740. Mercury shall be analyzed by cold vapor Method 7471.

21.2.1.2 Priority Pollutant List (PPL) metals are antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc. The PPL metals shall be analyzed by Methods 3005/6010 except for Arsenic, and selenium which shall e analyzed by the respective graphite furnace methods 3005/7060, and 3005/7740. Mercury shall be analyzed by cold vapor Method 7471.

21.2.1.3 RCRA metals are arsenic, cadmium, chromium, copper, mercury, selenium, silver and zinc. Arsenic, and selenium shall be analyzed by the respective graphite furnace methods 3005/7060, and 3005/7740. Mercury shall be analyzed by cold vapor Method 7471.

21.2.2 Volatile organics shall be analyzed by 8240 using column specified for all compounds listed in the Targeted Compound List of this method unless otherwise approved. (This analysis shall also include a ten peak library search for the tentative identification of compounds not on the above list for the landfill site only). This method is recommended based upon its potential for positive identification. Also, through the use of capillary column separation the advantage of using strictly GC methodology for soils (8010, 8020,etc.) is greatly diminished if not inappropriate. The contaminants of concern based on historical discharges include various chlorinated hydrocarbon solvents and associated breakdown products, and fuel related aromatics.

21.2.3 Semi-volatile organics shall be prepared by methods 3510 or 3520 and analyzed by method 8270 for all compounds in the Targeted Compound List (TCL) of this method unless otherwise approved by the Corps. In addition, a twenty peak library search shall tentatively identify compounds not listed in the TCL. Appropriate extract cleanup methods shall also be performed where needed as specified in Section 7.2 of this method. Again, as with the volatiles due to the nature of the matrices, this method is selected over individual GC methods due to the probability of substantial interference. Although detection limits may or may not be higher, the power of this method lies in its potential for cost-effective identification. GC methods do not necessarily achieve better detection limits than GC/MS in difficult matrices, however, this is operator-dependent.

21.2.4 Total Recoverable Petroleum Hydrocarbons shall be analyzed by EPA Method 418.1.

21.2.5 Pesticides/PCBs shall be analyzed by EPA Method 3520/8080.

21.2.6 Herbicides shall be analyzed by EPA Method 8150.

22 Site-Specific Investigations. This landfill has been exposed to a variety of landfill debris, thus the analytes of primary concern will be from those sources.

22.1 Landfill #25 SWMU #97

22.1.1 SOIL SAMPLES One hundred and eighteen (118) soil samples shall be analyzed for the following:

22.1.1.1 Volatile Organic Compounds (VOC) by EPA Method 8240.

22.1.1.2 Semi-Volatile Organic Compounds (BNA) by EPA Method by EPA Method 8270.

22.1.1.3 Total Metals (TAL) by EPA Method 6010 & AA

22.1.1.4 TRPH by EPA Method 418.1

22.1.1.5 Pesticides/PCBs by EPA Method 3520/8080.

22.1.1.6 Herbicides by EPA Method 8150.

22.1.1.7 TPH (Light & Heavy) CAL LUFT by modified EPA Method 8015.

22.2 VALIDATION OF SW-846 ANALYSES

22.2.1 All "critical" samples or a minimum ten percent (10%) of all samples, will be subjected to a complete data validation in accordance with US EPA functional guidelines for data analyses. The rest of the samples shall undergo a QC review. Critical data as defined by OSWER directive "Guidance for Data Useability in Risk Assessment" (EPA 540/G-90/008, October 1990) are those data considered to be crucial for the purposes of the risk assessment. A minimum of one sample per source, per sample medium, per exposure pathway will be considered critical for those analytes to be used in the risk assessment. If this definition results in more than one sample which could be chosen for a given source (medium and exposure pathway), then the sample to be considered "critical" shall be the one for which analysis indicated the largest number of chemicals of concern are present at detectable levels. EPA SW-846 constituents for this site include volatile organic compounds, semi-volatile organic compounds, organochlorined pesticides and PCBs, chlorinated herbicides, total petroleum hydrocarbons, metals and inorganics and possibly total organic carbon.

22.2.2 Full data validation of SW-846 volatile and semi-volatile organic compounds shall follow guidance for the major categories listed below, as contained in the 1988 Functional Guidelines for Evaluating Organics Analyses or Draft 1990 Revised 1991 National Functional Guidelines for Organic Data Review.**

- Holding Times
- GC/MS Tuning and Performance
- Calibration
  - Chromatographic Resolution
  - Initial
  - Continuing
- Blanks
- Surrogate Recovery
- Matrix Spike/Matrix Spike Duplicate
- Field Duplicates
- Internal Standards Performance
- TCL Compound Identification
- Compound Quantitation and Reported Detection Limits (1990-91)
- Tentatively Identified Compounds
- System Performance
- Overall Assessment of Data for a Case
- Laboratory Control Samples (1990-91)
- Regional Quality Assurance and Quality Control(1990-91)

** To be Decided

The specific QC criteria stated in the Cannon AFB Quality Assurance Project Plan (QAPP) for SW-846 analytes (Tables ---) shall be used to assess precision and accuracy. Sample data shall be validated in accordance with the 1988 or 1990-91 Organic Guidelines adapted to the SW-846 methods.

22.2.3 Full data validation of SW-846 organochlorinated pesticides and PCBS shall include the following major categories, as contained in the 1988 Organic Guidelines.

Holding Times
Instrument Performance
Calibration
  Initial
  Continuing
Blanks
Surrogate Recovery
Matrix Spike/ Matrix Spike Duplicate
Internal Standards Performance
Compound Identification
Compound Quantitation and Reported Detection Limits
Overall Assessment of Data for a Case

The specific QC criteria stated in the Cannon AFB Quality Assurance Project Plan (QAPP) for SW-846 analytes (Tables) shall be used to assess precision and accuracy. Sample data shall be validated in accordance with the 1988 Organic Guidelines adapted to the SW-846 methods.

22.2.4 Full data validation of SW-846 metals shall include the following major categories, as contained in the 1988 Functional Guidelines.

Holding Times
Calibration
  Initial
  Continuing
Blanks
ICP Interference Check Sample
Laboratory Control Sample
Duplicate Sample
Matrix Spike Sample
Furnace Atomic Absorption QC
ICP Serial Dilution
Sample Result Verification
Field Duplicate
Overall Assessment of Data for a Case

The specific QC criteria stated in the Cannon AFB Quality Assurance Project Plan (QAPP) for SW-846 analytes (Tables) shall be used to assess precision and accuracy. Sample data shall be validated in accordance with the 1988 Inorganic Guidelines adapted to the SW-846 methods.

22.3 FULL DATA VALIDATION OF OTHER ANALYTES

Full data validation of other analytes shall consist of the applicable portions of the following, as defined by QA/QC specifications contained in the Cannon AFB QAPP and the analytical methodology:

22.3.1 Evaluation of spike recoveries (matrix spikes and control sample spikes) and duplicate analysis precision (field duplicates, laboratory duplicates, and matrix spike duplicates) with data outside of the accuracy and precision limits specified in Table ---qualified as estimated, "J" (or rejected, "R" if, in the professional judgment of the validator, the data are unusable).

22.3.2 Evaluation of laboratory and field blank contamination with validation of data from samples associated with contaminated blanks, following guidance from 1988 or 1990-91 Organic Guidelines, as summarized in the Cannon AFB QAPP.

22.3.3 Evaluation of compliance to holding time limits, with data outside of the holding time limits specified in Tables--- of the QAPP qualified as estimated (or rejected if, in the professional judgment of the validator, the data are unusable).

22.3.4 Evaluation of calibration and tuning information to determine compliance with specifications contained within the individual methodologies.

22.3.5 Evaluation of compound quantitation with recalculation of at least 10 percent of the value from the raw data. If problems are found, additional data calculations will be checked.

22.3.6 A narrative overall assessment of data for a case will be provided, as described in the 1988 or 1990-91 Organic Guidelines and summarized in the Cannon AFB QAPP.

22.4 QC REVIEW OF NON-CRITICAL SAMPLE DATA PACKAGES

22.4.1 Review of Volatile and Semi-volatile Organic Analyses

Volatile and Semi-volatile organic analytical data shall undergo evaluation of:

Holding Times
Blanks
Surrogate Recovery
Matrix Spike/Matrix Spike Duplicates
Field Duplicates
Overall Assessment of Data for a Case
Completeness of Data Package

22.4.2 Review of Pesticides/PCBs Analyses

Pesticides and PCBs analytical data shall undergo evaluation of:

Holding Times
Blanks
Surrogate Recovery
Matrix Spike/Matrix Spike Duplicates
Field Duplicates
Overall Assessment of Data for a Case
Completeness of Data Package

22.4.3 Review of Other Analytical Data

Other analytical data shall undergo evaluation of:

Holding Times
Blank Contamination
Spike Recoveries (matrix spikes, surrogate spikes, laboratory control sample spikes.)
Duplicate analysis precision (field duplicates, laboratory duplicates, and matrix spike duplicates)
Overall Assessment of Data for a Case
Completeness of Data Package

TABLE 1

SOIL SAMPLING SPECIFICATIONS

PARAMETER	CONTAINER[1]	SAMPLE PRESERVATION[2]	MAXIMUM HOLDING TIME[3] EXTRACTION	ANALYSIS
Volatile Organics	2 x 40 Ml G, Septa vial	Ice to 4°C	-	14 d
B/N/A	1 x 8 oz wide mouth jar, G	Ice to 4°C	7 d	40 d
PCBs/ Pesticides	1 x 8 oz wide mouth jar, G	Ice to 4°C	7 d	40 d
Metals	1 x 8 oz wide mouth jar, G	Ice to 4°C	-	6 months
TRPH	1 x 8 oz wide mouth jar, G	Ice to 4°C	-	28 d
Mod. 8015 Light Heavy	Light 2x40 Ml Septa vials, G 1 x 8 oz wide mouth jar, G	Ice to 4°C		
Herbicides	1 x 8 oz wide mouth jar, G	Ice to 4°C	7 d	40 d

[1] All containers must have Teflon-lined seals (Teflon-lined septa for all VOA vials). G = Glass; P = High density polyethylene.

[2] Sample preservation will be done in the field immediately upon sample collection. If samples are filtered in the field, differential pressure methods and 45 micron filters will be used. Preservation is added after filtration. VOA samples must never be filtered.

[3] When only one holding time is given, it implies total holding time from sampling until analysis.

TABLE 2 SOIL SAMPLES

LANDFILL # 25

	QUALITY CONTROL (A-E) SAMPLES					QUALITY ASSURANCE (MRD) SAMPLES			
Matrix Parameter	# of Field Samples	# of Dups/ Splits	# of Sampler Rinsates	# of Trip Blanks	Total AE Samples	QA Dups/ Splits	QA Sampler Rinsates	QA Trip Blanks	Total QA
VOLATILE ORGANICS	118	12	0	0	130	12	0	0	12
SEMI-VOLATILE ORGANICS	118	12	0	0	130	12	0	0	12
TOTAL METALS	118	12	0	0	130	12	0	0	12
TRPH	118	12	0	0	130	12	0	0	12
PEST/PCB'S	118	12	0	0	130	12	0	0	12
HERBICIDES	118	12	0	0	130	12	0	0	12
TPH (Mod.8015)	118	12	0	0	130	12	0	0	12

* Field duplicates should be taken from the areas having the highest potential for contamination.

23 Health and Safety Instructions.

23.1 Health and Safety General. The Architect-Engineer (A-E) responsible for the tasks defined by this Scope of Services (SOS) shall review all information provided and develop the necessary documents which contain the health and safety criteria, procedures, and practices sufficient to protect on-site personnel, the environment, and potential off-site receptors from the chemical, physical, and/or biological hazards particular to this site. The A-E shall utilize the services of a Certified Industrial Hygienist (CIH) experienced in hazardous waste site operations to oversee the development and implementation of the health and safety documents required by this section. If the information made available is insufficient to allow the A-E to develop these documents, a description of all additional information required shall be prepared and submitted to the Contracting Officer (CO).

23.2 Regulatory Requirements. All site investigation activities and health and safety documents required by this SOS shall comply with and reflect the following regulations and appropriate guidance publications, as a minimum:

(1) Federal Acquisition Regulation, F.A.R. Clause 52.236-13: Accident Prevention.

(2) U.S. Army Corps of Engineers (USACE), Safety and Health Requirements Manual, EM 385-1-1 (latest revision).

(3) Occupational Safety and Health Administration (OSHA) Construction Industry Standards, 29 CFR 1926, and General Industry Standards, 29 CFR 1910; especially 29 CFR 1910.120 - "Hazardous Waste Site Operations and Emergency Response."

(4) NIOSH/OSHA/USCG/EPA, "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities", October 1985.

(5) Other applicable Federal, State, and local safety and health requirements.

23.3 Documents. The following health and safety documents are required under this SOS. Avoid providing material of a general nature, not specifically related to this project or site. Information readily available in standard texts should be repeated only to the extent necessary to meet the requirements of this scope. The Safety and Health Program (Paragraph 23.3.1) will contain general information required by the referenced OSHA standard which is applicable to all hazardous waste activity efforts performed by the contractor. The Site Safety and Health Plan (Paragraph 23.3.2) should be a brief document addressing only site-specific safety and health requirements and procedures based upon site-specific conditions. Duplication of the general information contained in the Safety and Health Program is unwanted.

23.3.1 Safety and Health Program. All contractors (A-E and their subcontractors) performing on-site activities at hazardous waste sites are required by regulation to develop and maintain a written Safety and Health Program in compliance with OSHA standard 29 CFR 1910.120(b)(1) through (b)(4). Written certification that such a program has been prepared and implemented shall be submitted to the Contracting Officer (CO) as a preface to required Site Safety and Health Plans (SSHP). The program including updates shall be made available to the CO in its entirety upon request.

23.3.2 Site Safety and Health Plan (SSHP). The Site Safety and Health Plan required by 29 CFR 1910.120(b)(4) shall be prepared by the A-E and submitted to the Contracting Officer for review and approval prior to the commencement of any on-site work activity to be performed by the A-E and/or his subcontractors. This SSHP shall describe the health and safety procedures, practices, and equipment to be implemented and utilized in order to protect affected personnel from the potential hazards associated with the site-specific tasks to be performed. The level of detail provided in the SSHP shall be tailored to the type of work, complexity of operations to be accomplished, and hazards anticipated. All topics required by OSHA standard 1910.120(b)(4), and those described below, shall be addressed in the SSHP. Where the use of a specific topic is not applicable to the project, provide a negative declaration to establish that adequate consideration was given the topic, and give a brief justification for its omission.

23.3.2.1 Site Description and Contamination Characterization. Describe the location, topography, and approximate size of the site, the on-site jobs/tasks to be performed, and the duration of planned site activities. Compile a complete list of the contaminants found or known to be present in site areas to be impacted by the work to be performed. Compilation of this list shall be based on results of previous studies; or if not available, select the likely contaminants based on site history and prior site uses/activities. Include chemical names, concentration ranges, media in which found, locations on-site, and estimated quantities/volumes to be impacted by site work, if known.

23.3.2.2 Hazard/Risk Analysis. Identify the chemical, physical, biological, and safety hazards of concern for each site task and/or operation to be performed. Selection of chemicals as indicators of hazard shall be based on media concentrations, toxicity, volatility or potential for air entrainment at hazardous levels, and frequency of detection. Describe chemical and physical properties of selected contaminants, sources and pathways of employee exposures, anticipated on and off-site exposure level potentials, and regulatory (including Federal, State, and local) or recommended protective exposure standards. Specify and justify "action levels" based upon airborne exposure hazards and direct skin contact potentials for upgrades/downgrades in levels of personnel protection; for implementation of engineering and/or work practice controls; for emergency evacuation of on-site personnel; and for the prevention and/or minimization of public exposures to hazards created by site activities. Air monitoring/sampling shall be performed in accordance with Paragraph: "Exposure Monitoring/Air Sampling Program" below, resulting data compared with established "action levels", and appropriate corrective actions initiated as necessary.

23.3.2.3 Accident Prevention. The SSHP will serve as the Accident Prevention Plan (APP) and activity hazard analyses (phase plans), required by F.A.R. Clause 52.236-13, and Paragraphs 01.A.03 through 01.A.06 and Appendix Y of USACE EM 385-1-1. Thus, a separate APP is not necessary. Any additional topics required by EM 385-1-1, but not specifically covered in Paragraph 23.3.2 of this SOS, shall be addressed in an Accident Prevention section of the SSHP. Daily safety and health inspections shall be conducted to determine if operations are being performed in accordance with the SSHP, USACE and OSHA regulations, and contract requirements. In the event of an accident/incident, the A-E shall immediately notify the CO. Within two (2) working days of any reportable accident, the A-E shall complete and submit to the CO an Accident Report on ENG Form 3394 in accordance with AR 385-40 and USACE Supplements to that regulation.

23.3.2.4 Staff Organization, Qualifications, and Responsibilities. Discuss the organizational structure, including lines of authority (chain of command), and overall responsibilities of the contractor and all subcontractors for site activities, including supervisor/employee relationships. Summarize the operational and health and safety responsibilities and qualifications of each key person identified. Specifically:

(1) A Certified Industrial Hygienist (CIH) with experience in the hazardous waste site operations shall be responsible for the development, implementation, and oversight of the A-E's Safety and Health Program and SSHP. The SSHP shall be signed and dated by the CIH prior to submittal.

(2) A fully trained and experienced Site Safety and Health Officer (SSHO), responsible to the contractor and the CIH, may be delegated to implement and continually enforce the safety and health program and site-specific plan elements on-site.

(3) At least one person certified in first aid/CPR by the Red Cross, or equivalent agency, shall be continuously present on-site during site operations.

23.3.2.5 Training. All personnel performing on-site activities shall have completed applicable training in accordance and compliance with 29 CFR 1910.120(e). In addition, site-specific training covering site hazards, procedures, and all contents of the approved SSHP shall be conducted by the SSHO for on-site employees and visitors prior to commencement of work or entering the site. The type, duration, and dates of all employee training performed shall be listed by employee name and certified in the SSHP.

23.3.2.6 Personal Protective Equipment (PPE). In accordance with 29 CFR 1910.120(g)(5), a written Personal Protective Equipment (PPE) program which addresses all the elements listed in that regulation, and which complies with respiratory protection program requirements of 29 CFR 1910.134 is to be included in the A-E's Safety and Health Program. Therefore, the SSHP shall detail the minimum PPE ensembles (including respirators) and specific materials from which the PPE components are constructed for each site-specific task/operation to be performed, based upon the hazard/risk analysis performed above. Components of levels of protection (A,B,C,D and modifications) must be relevant to site-specific conditions, including heat stress potential and safety hazards. Include site-specific procedures for on-site fit-testing, cleaning, maintenance, inspection, and storage.

23.3.2.7 Medical Surveillance. All personnel performing on-site activities shall be participants in an ongoing medical surveillance program, meeting the requirements of 29 CFR 1910.120 and ANSI Z-88.2. A description of the general medical surveillance program is to be included in the A-E's Safety and Health Program. All medical surveillance protocols and examination results shall be reviewed by a licensed physician who is certified in Occupational Medicine by the American Board of Preventative Medicine, or who, by necessary training and experience, is Board eligible. The SSHP shall only describe the content and frequencies of any additional medical tests / examinations/consultations determined necessary by the physician due to probable site-specific conditions, potential occupational exposures, and required protective equipment. Certification of participation in the medical surveillance program, the date of last examination, and name of reviewing occupational physician shall also be included for each affected employee. The written medical opinion from the attending physician required by 29 CFR 1910.120(f)(7) shall be made available upon request to the CO for any site employee.

23.3.2.8 Exposure Monitoring/Air Sampling Program. (Personal and Environmental). Where it has been determined that there may be employee exposures to and/or off-site migration potentials of hazardous airborne concentrations of hazardous substances, appropriate direct-reading (real-time) air monitoring and integrated (time-weighted average (TWA)) air sampling shall be conducted in accordance with applicable regulations (OSHA, EPA, State). Both air monitoring and air sampling must accurately represent concentrations of air contaminants encountered on and leaving the site. Sampling and analytical methods following NIOSH (for on-site personnel and site perimeter locations) and/or EPA (for site perimeter or off-site locations) criteria shall be appropriately utilized. Personnel samples shall be analyzed only by laboratories successfully participating in and meeting the requirements of the American Industrial Hygiene Association's (AIHA) Proficiency Analytical Testing (PAT) or Laboratory Accreditation programs. Meteorological monitoring shall be performed on-site as needed and used as an adjunct in determining perimeter and any off-site monitoring/sampling locations. Where perimeter monitoring/sampling is not deemed necessary, provide a suitable justification for its exclusion. Noise monitoring and radiation monitoring (alpha, beta, gamma) shall be conducted as needed, depending on the site hazard assessment. All monitoring/sampling results shall be compared to "action levels" established pursuant to Paragraph: "Hazard/Risk Analysis", above, to determine acceptability and need for corrective action.

23.3.2.9 Heat/Cold Stress Monitoring. Heat and/or cold stress monitoring protocols shall be implemented, as appropriate. Work/rest schedules shall be determined based upon ambient temperature, humidity, wind speed (wind chill), solar radiation intensity, duration and intensity of work, and protective equipment ensembles. Minimum required physiological monitoring protocols which will affect work schedules shall be developed. In cases where impervious clothing is worn (full-body), the NIOSH/OSHA/USCG/EPA "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities" protocol for prevention of heat stress shall be followed, and heat stress monitoring shall commence at temperatures of 70 degrees Fahrenheit and above. Where impervious clothing is not worn, the most current published ACGIH heat stress standard (TLV) shall be used. For cold stress monitoring to help prevent frostbite and hypothermia, the most current published ACGIH cold stress standard shall be referenced and followed, as a minimum.

23.3.2.10 Standard Operating Safety Procedures, Engineering Controls and Work Practices. Address the following elements as a minimum: (1) Site rules/prohibitions (buddy system, eat/drink/smoking restrictions, etc.); (2) Material handling procedures (soils, liquids, radioactive materials); (3) Drum/ container handling procedures and precautions (opening, sampling, overpacking); (4) Confined space entry procedures; (5) Hot-work, sources of ignition, and electrical safety (ground-fault protection, overhead power line avoidance, etc.); (6) Excavation safety; (7) Machine guarding; (8) Fall protection; (9) Illumination; (10) Sanitation; (11) Engineering controls.

23.3.2.11 Site Control Measures. Include a site map containing work zone delineation and access points. Describe on-site and off-site communications, security (physical and procedural), and general site access.

23.3.2.12 Personal Hygiene and Decontamination. Specify necessary facilities and their locations. Detail standard operating procedures, frequencies, supplies and materials to accomplish decontamination of site personnel.

23.3.2.13 Equipment Decontamination. Specify necessary facilities, equipment, and their locations. Detail procedures, frequencies, supplies and materials, and methods to determine adequacy for the decontamination of equipment used on-site.

23.3.2.14 Emergency Equipment and First Aid Requirements. The following items, as appropriate, shall be immediately available for on-site use: (1) First aid equipment and supplies approved by the consulting MD; (2) Emergency eyewashes/showers (comply with ANSI Z-358.1); (3) Emergency respirators (worst-case appropriate); (4) Spill control materials and equipment; and (5) Fire extinguishers (specify type, size, locations).

23.3.2.15 Emergency Response and Contingency Procedures (On-Site and Off-Site). This section of the SSHP shall contain an Emergency Response Plan in compliance with 29 CFR 1910.120(l), which addresses the following elements, as a minimum: (1) Pre-emergency planning and procedures for reporting incidents to appropriate government agencies for potential chemical exposures, personal injuries, fires/explosions, environmental spills and releases, discovery of radioactive materials; (2) Personnel roles, lines of authority, communications; (3) Posted instructions and a list of emergency contacts: (physician, nearby medical facility, fire and police departments, ambulance service, federal/state/local environmental agencies, CIH, Contracting Officer); (4) Emergency recognition and prevention; (5) Site topography, layout, and prevailing weather conditions; (6) Criteria and procedures for site evacuation (emergency alerting procedures/employee alarm system, emergency PPE and equipment, safe distances, places of refuge, evacuation routes, site security and control); (7) Specific procedures for decontamination and medical treatment of injured personnel; (8) Route maps to nearest pre-notified medical facility; (9) Criteria for initiating community alert program, contacts, and responsibilities; and (10) Critique of emergency responses and follow-up.

23.3.3 Logs, Reports, and Recordkeeping. The following logs, reports, and records shall be developed, maintained, and submitted to the CO at the conclusion of the site work: (1) Training logs (site-specific, visitor); (2) Daily safety inspection logs (may be part of the Daily QC Reports); (3) Employee/visitor register; (4) Environmental and personal exposure monitoring/sampling results.

23.4 Document Revisions, Addenda, and Field Modifications. Review comments issued prior to SSHP approval shall be incorporated by revising and reissuing affected pages. If major revisions are necessary, the entire Plan shall be resubmitted for review and approval. Minor changes affecting only a few pages may be made by addenda sheets and resubmitted. Once on-site, unanticipated field conditions encountered which were not addressed in the approved SSHP shall be immediately reported to the CO. Field activities in such areas shall be halted until the SSHP has been modified to reflect changed conditions and reviewed/approved by the CO.

24 Defense Priority Model Instructions

24.1 **General Site Information:** For Landfill-25 provide the following information and the source from which it was obtained. Most of this information should be available from the RI report. However, if not obtainable from the RI report, the information must still be provided. **NOTE:** This is not a requirement to perform the scoring, this is merely a gathering of existing data into a consolidated data package. The data package shall be submitted along with the draft RI report.

1. Flooding Potential. Determine if the site is within a 25- or 100-year flood plain of if the site floods annually.

2. Waste Containment Effectiveness Factor. General description of the condition and effectiveness of the site, and/or the site waste facility.

3. Distance to the Nearest Installation Boundary. Note, if any surface water runs through the installation (Rivers, streams, etc.) provide the distance to this water as well as the distance to the nearest installation boundary.

4. Distance to nearest residential, industrial, or commercial land use. Land use or zoning within 2 miles (give use and distance)

5. Importance of biotas/habitats. General description of sensitive ecosystems located within 4 miles downstream or 1.5 miles any direction of the site.

6. Presence of critical environments. Critical environments include: Land recognized as rare, unique, unusually sensitive, important natural resource, habitat for endangered species, nature preserve, wilderness area or wildlife sanctuary within 1.5 miles of the site. (Yes or No)

7. Importance/sensitivity of downgradient biota/habitats. General description of sensitive habitats located within 4 miles downstream or 1.5 miles in any direction from confirmed or suspected ground water recharge points.

Climate and Air Quality Data:

8. Net precipitation (inches). Net precipitation = Average annual precipitation minus average annual lake evaporation.

9. Rainfall intensity. 1-year 24-hour rainfall east of the Mississippi River and 2-year 6-hour rainfall west of the Mississippi River.

10. Volatile pollutants observed in ambient air (Yes or no). Volatile pollutants are those contaminants with a vapor pressure greater than 10^{-3} mm Hg at 75°F and 1 atm.

11. Annual average wind velocity (miles/hour).

12. Non-volatile pollutants observed in ambient air (Yes or No). These are chemicals with a vapor pressure less than 10^{-3} mm Hg at 75°F and 1 atm.

Soils Data:

13. Surface soil erosion potential (none, slight, moderate, severe). Soil erosion potential is the likelihood that soil will be lost to surface water runoff. The estimation of the surface slope, and the percentage of the site that is covered with vegetation is needed.

14. Surface soil permeability (cm/sec or % clay).

15. Neutralization capacity of soils (high, medium, or low). A high neutralization capacity would be indicated by the presence of carbonate minerals such as a caliche layer. Acid-forming potential would be indicated by the presence of sulfide and/or iron- and manganese-containing materials.

16. Clay content of soils. Percent of clay of vadose zone soils. The vadose zone is the zone between the ground water and the surface in which the pores of the soil are only partially filled with water (commonly called the unsaturated zone).

17. Organic content of soils. Percent of organic material of vadose zone soils.

18. Ph of the soils.

19. Volatile pollutants observed in the surface soil (Yes or no).

20. Average soil temperature during summer months (June - August)(degrees Celsius). Soil temperature may be estimated as the mean summer ambient temperature minus 10 degrees F.

21. Soil Porosity. Soil porosity is an indicator of the available air space for diffusion of volatile compounds through the matrix.

22. Non-volatile pollutants observed in the surface soil. (Yes or no)

Ground Water Data:

23. Pollutants observed in ground water. (Yes or no)

24. Depth to seasonal high ground water from the base of waste or the contaminant zone. Seasonal high ground water is the highest level of the saturated zone observed during the year due to a combination recharging by rainwater and depletion. Depth is measured from the deepest point of observed contamination to highest annual water table.

25. Potential for discrete features in the unsaturated zone to "short circuit" the pathway to the water table (none, low, medium, or high). Short circuit potential is based on qualitative knowledge of presence of faults, fractures, faulty well casings, or similar features.

26. Hydraulic conductivity of the unsaturated zone (cm/sec). Determine the hydraulic conductivity and thickness of the most impermeable layer between the waste and the water table. Hydraulic conductivity may be estimated from the description of geologic materials.

27. Estimate the mean ground water travel time to the nearest downgradient water supply well (years). Mean ground water travel time is a measure of the potential for contaminants to reach sites of ground water use. If unknown, supply the following data:

- distance from waste location to supply wells
- hydraulic conductivity of aquifer
- effective porosity of soil (as decimal fraction)
- hydraulic gradient

28. Estimate the mean ground water travel time to the nearest surface water body (years). If unknown, supply the following data:

- distance from waste location to downstream surface water body
- hydraulic conductivity of aquifer
- effective porosity of soil (as decibel fraction)
- hydraulic gradient

29. Ground water use of the uppermost aquifer. The uppermost aquifer is the ground water-bearing unit nearest the ground surface. Determine the availability of alternative sources of drinking water.

30. Estimate the mean ground water travel time from the waste location to any downgradient habitat of natural area (years). If unknown, supply the following data:

- distance from waste location to downgradient habitat or natural area
- hydraulic conductivity of aquifer
- effective porosity of soil (as decibel fraction)
- hydraulic gradient

Surface Water Data:

31. Pollutants observed in surface water (Yes or no). Note: Drainage ditches that connect with surface waters are considered to be surface water. See #32.

32. Estimate the distance to the nearest surface water (miles). Surface water includes wetlands, natural and man-made lakes, ponds, perennial and intermittent streams, the oceans and arms of the oceans, and any drainage ditches that connect with other surface waters.

33. Water use of the nearest surface water bodies. Determine if surface water is used for irrigation, agricultural water supply, recreation, or fishing within 3 miles from contaminant entry.

Population Data:

34. Determine the population downstream that obtains drinking water from potentially affected surface waters(size/distance). This includes:

- population served from an intake less than 3 miles from contaminant entry
- population served from an intake less than 4 miles from contaminant entry
- population served from an intake less than 5 miles from contaminant entry

35. Determine the population within 1/2 mile of the site (size/distance). Count both residents and daytime populations.

- population within 0.10 mile
- population within 0.25 mile
- population within 0.50 mile

36. The population potentially at risk from ground water contamination. Estimate the following:

- population within 3 miles served by ground water wells along most likely travel path

- population within 3 miles served by ground water wells that are downgradient but not along most likely travel paths

- population within 3 miles served by ground water wells that are not downgradient

37. Population within a 4 mile radius. Estimate the population residing or working within each of the following:

- 0.25 mile radius
- 0.50 mile radius
- 1.0 mile radius
- 4.0 mile radius

38. Land use. Estimate the distance to the nearest commercial/industrial facility and the distance to the nearest national/state park, forest, wildlife preserve or residential area.

Waste Characterization Data:

39. Waste Quantity. Estimate data for the following site types:
- landfill: area and average depth
- surface impoundment: area
- fire training area: number of years used
- above ground tanks: quantity of waste
- underground tanks: quantity of waste
- waste piles: area
- spills: quantity of waste
- enclosed structures: area of the structure
- contaminated ground water: maximum length of plume

40. Determine if the waste is a solid that adheres to soil particles, a semisolid or sludge, or a free liquid.

41. Surface water pollutants. For observed releases determine contaminant name and corresponding (maximum observed) concentrations. For non-observed releases determine contaminant name.

42. Ground water pollutants. For observed releases determine contaminant name and corresponding (maximum observed) concentration. For non-observed releases determine the contaminant name.

43. Ambient volatile pollutants in air or surface soil. For observed release in ambient air: air concentration (maximum observed) needed for each contaminant. For non-observed release in air, but observed release in surface soil: soil concentration (maximum observed) is needed for each contaminant.

44. Fugitive dust or non-volatile pollutants in surface soil. Fugitive dust consists of nonindustrial particulate emissions which are not from a definite point source. For observed releases in ambient air determine air concentration (maximum observed) and surface soil concentration (maximum observed) for each contaminant. For non-observed releases in air, but observed release in surface soil determine soil concentration (maximum observed) for each contaminant.

45. For air/soil volatile pollutants in open landfills, waste piles, inactive surface impoundments, spills, and active and inactive fire training areas when no air contaminant concentration measurements exist:
- contaminant soil concentration (mg/kg)
- depth of waste in soil (cm)
- average wind speed (m/sec)
- soil bulk density (gm/cm^3)
- surface area of contaminated site (m^2)
- mean summer soil temperature (degrees Kelvin)

46. For air/soil pollutants in fugitive dust emissions estimate:

- silt content of soil (%)
- surface area of exposed soil (m^2)
- average wind speed (m/sec)

25 Baseline Risk Assessment Instructions.

25.1 Baseline Risk Assessment. As part of the Remedial Investigation the A-E shall perform a Baseline Risk Assessment. The details and results of the Baseline Risk Assessment shall be included in the RI Report in a section entitled "Baseline Risk Assessment." This section shall contain one subsection for each site to be addressed by the RI report. Each subsection shall be further subdivided into "Human Health Evaluation" and "Environmental Evaluation" sections. In the event that two or more of the sites are defined as hydraulically linked, and if modeling indicates receptor points are or will in the future be affected by migration from multiple sites, one discussion shall address and describe the combined effect(s) both in terms of the Human Health Evaluation and the Environmental Evaluation.

25.1.1 Guidance. The A-E shall follow procedural and reporting recommendations given in the following guidance documents: "Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual, (Part A), EPA/540/1-89/002" and "Volume II, Environmental Evaluation Manual, EPA/540/1-89-001." The EPA document, "Ecological Assessments of Hazardous Waste Sites: A Field and Laboratory Reference Document, EPA/600/3-89/013" may also be consulted.

25.1.2 Human Health Evaluation. The intent of the Human Health Evaluation shall be to assess the reasonable and foreseeable current and potential future exposures to as well as associated risks from site contaminants in the event no action is taken to remove contaminants and/or prevent their migration. The Human Health Evaluation shall include the following components:

25.1.2.1 Data Collection and Evaluation (Identification of Chemicals of Potential Concern).

25.1.2.2 Exposure Assessment. During the exposure assessment process the A-E shall utilize available monitoring data and appropriate environmental fate and transport models. In general, modeling will be used to estimate exposure point concentrations where actual monitoring results don't exist for current exposure points and to predict future concentrations at potential exposure points. A one-dimensional, simple analytical model that addresses both unsaturated zone and saturated zone transport shall be used. The A-E's cost proposal for this SOS shall include a short description of the model suggested for use.

25.1.2.3 Toxicity Assessment.

25.1.2.4 Risk Characterization.

25.1.3 Environmental Evaluation. The intent of the Environmental Evaluation shall be to discuss the current and potential environmental impacts of site contaminants. The Environmental Evaluation shall include the following components:

25.1.3.1 Description of Objective.
25.1.3.2 Description of Data.

25.1.3.3 Description of Site and Study Area.

25.1.3.4 Description of Contaminants of Concern.

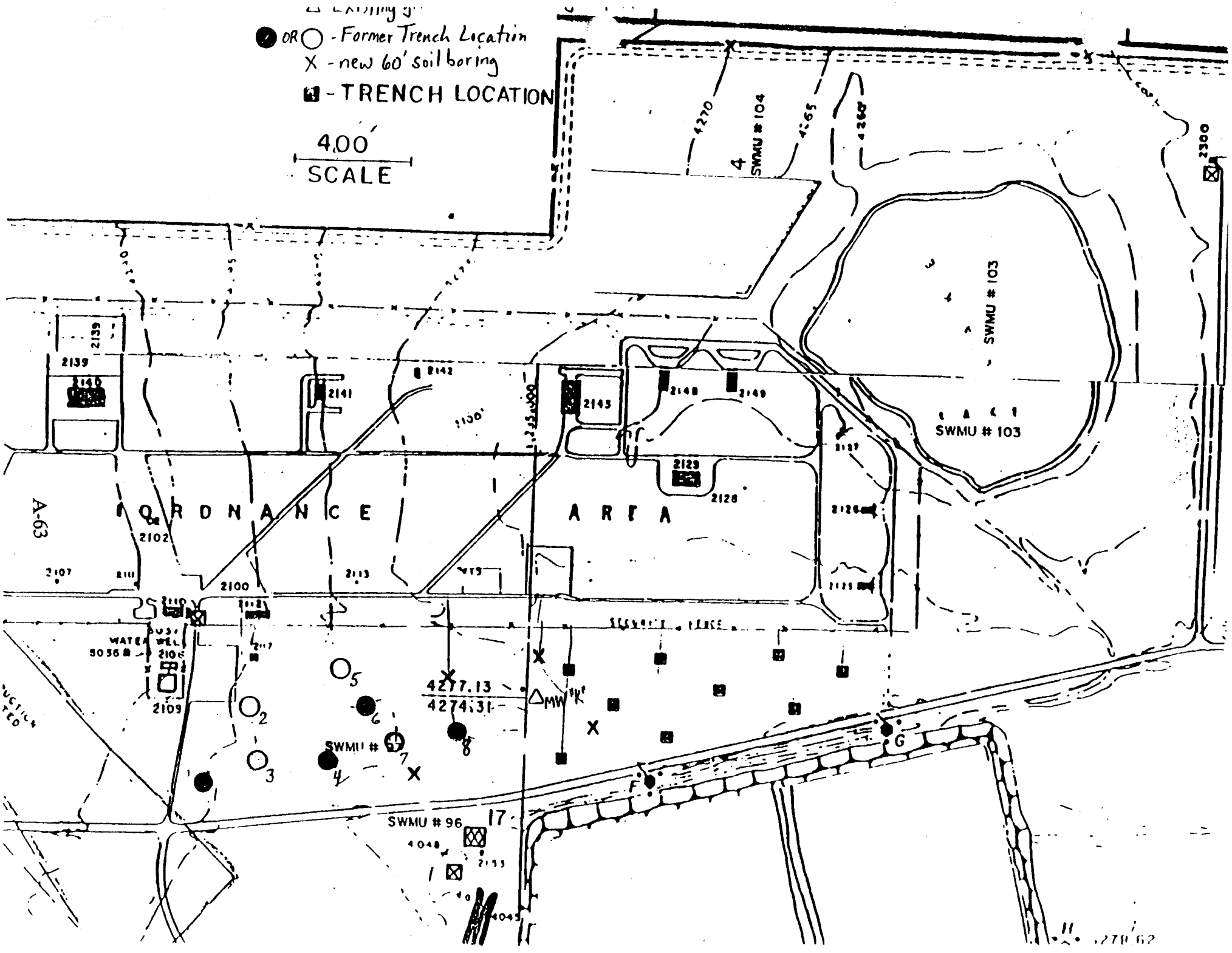
25.1.3.5 Exposure Characterization.

25.1.3.6 Risk or Threat Characterization.

25.1.3.7 Description of Remediation Criteria.

25.1.3.8 Description of Conclusions and Limitations.

End of Text of Scope of Services


OR - Former Trench Location
X - new 60' soil boring
- TRENCH LOCATION
400'
SCALE
SWMU # 104
SWMU # 103
SWMU # 103
ORDNANCE AREA
A-63
WATER WELL
SWMU # 96
4277.13
4274.31
MW
SECURITY FENCE

APPENDIX B

RESULTS FOR FIELD SAMPLES

Note

Referenced depths for all samples are below land surface (BLS) except for borehole 3A which is given in below native soil (BNS) depths. The corresponding BLS depths for borehole 3A are:

Sample S (15-17 ft. BLS);
Sample I (19-21 ft. BLS); and
Sample 06 (23-25 ft. BLS).

Definition of Flags

J Reported value is above the instrument detection limit but below the method reporting limit.

@ Reported value is less than five times the reporting limit.

G (for Diesel) - Result does not match characteristic pattern, but eluted in the retention time window, so was quantitated as diesel.

(other) - The presence of the compound was confirmed by second column analyses, but the quantitation is estimated due to matrix interferences.

B Indicates that analyte was found in the association method blank, but the sample results are not corrected for the amount in the blank.

C Presence and concentration of analyte confirmed by second column analyses.

X Benzo(b)fluoranthene and benzo(k)fluoranthene coelute. The result reported is the total of these two compounds.

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0 - 2			NONE 2B CAN97-2B-06 8 - 10		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	12 @	(27)	[5.346592]	42 @	(27)	[5.424605]	1300	(27)	[5.304094]	9 @	(27)	[5.413056]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			ND	(33)	[109]	NA			NA		
Diesel (2)	NA			5400 J	(5500)	[110.011]	NA			NA		
Ethylbenzene (2)	NA			ND	(33)	[109]	NA			NA		
Gasoline (2)	NA			ND	(5400)	[109]	NA			NA		
Jet fuel (2)	NA			ND	(11000)	[110.011]	NA			NA		
Kerosene (2)	NA			ND	(11000)	[110.011]	NA			NA		
Toluene (2)	NA			12 J	(33)	[109]	NA			NA		
Xylenes (total) (2)	NA			11 J	(54)	[109]	NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
4,4'-DDE	ND	(0.36)	[36.01008]	1 @	(0.37)	[36.63003]	8.9 @	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
4,4'-DDT	ND	(0.72)	[36.01008]	ND	(0.73)	[36.63003]	37	(7.2)	[359.9712]	ND	(0.73)	[36.40334]
Aldrin	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
Chlordane	ND	(1.8)	[36.01008]	ND	(1.8)	[36.63003]	ND	(18)	[359.9712]	ND	(1.8)	[36.40334]
Dieldrin	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
Endosulfan I	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
Endosulfan II	ND	(1.1)	[36.01008]	ND	(1.1)	[36.63003]	ND	(11)	[359.9712]	ND	(1.1)	[36.40334]
Endosulfan Sulfate	ND	(1.8)	[36.01008]	ND	(1.8)	[36.63003]	ND	(18)	[359.9712]	ND	(1.8)	[36.40334]
Endrin	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
Endrin Aldehyde	ND	(0.72)	[36.01008]	ND	(0.73)	[36.63003]	ND	(7.2)	[359.9712]	ND	(0.73)	[36.40334]
Endrin Ketone	ND	(1.8)	[36.01008]	ND	(1.8)	[36.63003]	ND	(18)	[359.9712]	ND	(1.8)	[36.40334]
Heptachlor	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
Heptachlor epoxide	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
Methoxychlor	ND	(1.8)	[36.01008]	ND	(1.8)	[36.63003]	ND	(18)	[359.9712]	ND	(1.8)	[36.40334]
PCB-1016	ND	(3.6)	[36.01008]	ND	(3.7)	[36.63003]	ND	(36)	[359.9712]	ND	(3.6)	[36.40334]
PCB-1221	ND	(7.2)	[36.01008]	ND	(7.3)	[36.63003]	ND	(72)	[359.9712]	ND	(7.3)	[36.40334]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0 - 2			NONE 2B CAN97-2B-06 8 - 10		
PCB-1232	ND	(7.2)	[36.01008]	ND	(7.3)	[36.63003]	ND	(72)	[359.9712]	ND	(7.3)	[36.40334]
PCB-1242	ND	(3.6)	[36.01008]	ND	(3.7)	[36.63003]	ND	(36)	[359.9712]	ND	(3.6)	[36.40334]
PCB-1248	ND	(3.6)	[36.01008]	ND	(3.7)	[36.63003]	ND	(36)	[359.9712]	ND	(3.6)	[36.40334]
PCB-1254	ND	(7.2)	[36.01008]	ND	(7.3)	[36.63003]	ND	(72)	[359.9712]	ND	(7.3)	[36.40334]
PCB-1260	ND	(7.2)	[36.01008]	ND	(7.3)	[36.63003]	ND	(72)	[359.9712]	ND	(7.3)	[36.40334]
Toxaphene	ND	(18)	[36.01008]	ND	(18)	[36.63003]	ND	(180)	[359.9712]	ND	(18)	[36.40334]
alpha-BHC	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
beta-BHC	ND	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
delta-BHC	0.68 G@	(0.36)	[36.01008]	ND	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	ND	(0.36)	[36.40334]
gamma-BHC	ND	(0.36)	[36.01008]	0.33 J	(0.37)	[36.63003]	ND	(3.6)	[359.9712]	0.46 GB@	(0.36)	[36.40334]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			ND	(7.2)	[35.79098]	NA			NA		
2,4,5-TP (Silvex)	NA			ND	(6.1)	[35.79098]	NA			NA		
2,4-D	NA			ND	(43)	[35.79098]	NA			NA		
2,4-DB	NA			ND	(33)	[35.79098]	NA			NA		
Dalapon	NA			ND	(210)	[35.79098]	NA			NA		
Dicamba	NA			ND	(9.7)	[35.79098]	NA			NA		
Dichloroprop	NA			ND	(23)	[35.79098]	NA			NA		
Dinoseb	NA			ND	(5.4)	[35.79098]	NA			NA		
MCPA	NA			ND	(8900)	[35.79098]	NA			NA		
MCPP	NA			ND	(6900)	[35.79098]	NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
1,1,2-Trichloroethane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
1,1-Dichloroethane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
1,1-Dichloroethene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
1,2,3-Trichloropropane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
1,2-Dichloroethane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0 - 2			NONE 2B CAN97-2B-06 8 - 10		
1,2-Dichloropropane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
2-Chloroethyl vinyl ether	ND	(11)	[1.081081]	ND	(11)	[1.10011]	ND	(11)	[1.079913]	ND	(11)	[1.092896]
2-Hexanone	ND	(54)	[1.081081]	ND	(55)	[1.10011]	ND	(54)	[1.079913]	ND	(55)	[1.092896]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.081081]	ND	(55)	[1.10011]	ND	(54)	[1.079913]	ND	(55)	[1.092896]
Acetone	ND	(110)	[1.081081]	180 @	(110)	[1.10011]	ND	(110)	[1.079913]	ND	(110)	[1.092896]
Acrolein	ND	(81)	[1.081081]	ND	(83)	[1.10011]	ND	(81)	[1.079913]	ND	(82)	[1.092896]
Acrylonitrile	ND	(54)	[1.081081]	ND	(55)	[1.10011]	ND	(54)	[1.079913]	ND	(55)	[1.092896]
Benzene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Bromodichloromethane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Bromomethane	ND	(11)	[1.081081]	ND	(11)	[1.10011]	ND	(11)	[1.079913]	ND	(11)	[1.092896]
Carbon disulfide	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Carbon tetrachloride	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Chlorobenzene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Chloroethane	ND	(11)	[1.081081]	ND	(11)	[1.10011]	ND	(11)	[1.079913]	ND	(11)	[1.092896]
Chloroform	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Chloromethane	ND	(11)	[1.081081]	ND	[illegible]1)	[1.10011]	ND	(11)	[1.079913]	ND	(11)	[1.092896]
Dibromochloromethane	ND	(5.4)	[1.081081]	ND	[illegible]5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Dibromomethane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Dichlorodifluoromethane	ND	(22)	[1.081081]	ND	(22)	[1.10011]	ND	(22)	[1.079913]	ND	(22)	[1.092896]
Ethyl benzene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Ethyl methacrylate	ND	(16)	[1.081081]	ND	(17)	[1.10011]	ND	(16)	[1.079913]	ND	(16)	[1.092896]
Iodomethane	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Methyl ethyl ketone	ND	(110)	[1.081081]	ND	(110)	[1.10011]	ND	(110)	[1.079913]	ND	(110)	[1.092896]
Methylene chloride	ND	(5.4)	[1.081081]	5.3 J	(5.5)	[1.10011]	8.8 @	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Styrene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Tetrachloroethene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Toluene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	4.1 J	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Tribromomethane(Bromoform)	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Trichloroethene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0 - 2			NONE 2B CAN97-2B-06 8 - 10		
Trichlorofluoromethane	ND	(11)	[1.081081]	ND	(11)	[1.10011]	ND	(11)	[1.079913]	ND	(11)	[1.092896]
Vinyl acetate	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
Vinyl chloride	ND	(11)	[1.081081]	ND	(11)	[1.10011]	ND	(11)	[1.079913]	ND	(11)	[1.092896]
Xylenes	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	1.2 J	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
cis-1,3-Dichloropropene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
trans-1,2-Dichloroethene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
trans-1,3-Dichloropropene	ND	(5.4)	[1.081081]	ND	(5.5)	[1.10011]	ND	(5.4)	[1.079913]	ND	(5.5)	[1.092896]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.081081]	ND	(11)	[1.10011]	ND	(11)	[1.079913]	ND	(11)	[1.092896]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
1,2,4-Trichlorobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
1,2-Dichlorobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
1,2-Diphenylhydrazine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
1,3-Dichlorobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
1,4-Dichlorobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
1-Chloronaphthalene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
1-Naphthylamine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.035964]	ND	(730)	[0.036670]	ND	(720)	[0.035997]	ND	(730)	[0.036429]
2,4,5-Trichlorophenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2,4,6-Trichlorophenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2,4-Dichlorophenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2,4-Dimethylphenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2,4-Dinitrophenol	ND	(1800)	[0.035964]	ND	(1800)	[0.036670]	ND	(1800)	[0.035997]	ND	(1800)	[0.036429]
2,4-Dinitrotoluene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2,6-Dichlorophenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2,6-Dinitrotoluene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2-Chloronaphthalene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2-Chlorophenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2-Methylnaphthalene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	34 J	(360)	[0.035997]	ND	(360)	[0.036429]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0 - 2			NONE 2B CAN97-2B-06 8 - 10		
2-Methylphenol(o-cresol)	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2-Naphthylamine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2-Nitroaniline	ND	(1800)	[0.035964]	ND	(1800)	[0.036670]	ND	(1800)	[0.035997]	ND	(1800)	[0.036429]
2-Nitrophenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
2-Picoline	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
3,3'-Dichlorobenzidine	ND	(720)	[0.035964]	ND	(730)	[0.036670]	ND	(720)	[0.035997]	ND	(730)	[0.036429]
3-Methylcholanthrene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
3-Nitroaniline	ND	(1800)	[0.035964]	ND	(1800)	[0.036670]	ND	(1800)	[0.035997]	ND	(1800)	[0.036429]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035964]	ND	(1800)	[0.036670]	ND	(1800)	[0.035997]	ND	(1800)	[0.036429]
4-Aminobiphenyl	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
4-Bromophenyl phenyl ether	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
4-Chloro-3-methylphenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
4-Chlorophenyl phenyl ether	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
4-Methylphenol(p-cresol)	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
4-Nitroaniline	ND	(1800)	[0.035964]	ND	(1800)	[0.036670]	ND	(1800)	[0.035997]	ND	(1800)	[0.036429]
4-Nitrophenol	ND	(1800)	[0.035964]	ND	(1800)	[0.036670]	ND	(1800)	[0.035997]	ND	(1800)	[0.036429]
7,12-Dimethylbenz(a)anthracene	ND	(900)	[0.035964]	ND	(920)	[0.036670]	ND	(900)	[0.035997]	ND	(910)	[0.036429]
Acenaphthene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Acenaphthylene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Acetophenone	ND	(360)	[0.035964]	ND	(370)	[0.036670]	36 J	(360)	[0.035997]	ND	(360)	[0.036429]
Aniline	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Anthracene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	15 J	(360)	[0.035997]	ND	(360)	[0.036429]
Benzidine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Benzo(a)anthracene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	43 J	(360)	[0.035997]	ND	(360)	[0.036429]
Benzo(a)pyrene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	35 J	(360)	[0.035997]	ND	(360)	[0.036429]
Benzo(b)fluoranthene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	86 JX	(360)	[0.035997]	ND	(360)	[0.036429]
Benzo(g,h,i)perylene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	25 J	(360)	[0.035997]	ND	(360)	[0.036429]
Benzo(k)fluoranthene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	86 JX	(360)	[0.035997]	ND	(360)	[0.036429]
Benzoic acid	ND	(1800)	[0.035964]	ND	(1800)	[0.036670]	ND	(1800)	[0.035997]	ND	(1800)	[0.036429]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0 - 2			NONE 2B CAN97-2B-06 8 - 10		
Benzyl alcohol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Butylbenzylphthalate	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Chrysene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	49 J	(360)	[0.035997]	ND	(360)	[0.036429]
Di-n-octylphthalate	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Dibenz(a,h)anthracene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Dibenz(a,j)acridine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Dibenzofuran	ND	(360)	[0.035964]	ND	(370)	[0.036670]	9.9 J	(360)	[0.035997]	ND	(360)	[0.036429]
Dibutylphthalate	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Diethylphthalate	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Dimethylphenethylamine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Dimethylphthalate	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Diphenylamine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Ethyl methanesulfonate	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Fluoranthene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	81 J	(360)	[0.035997]	ND	(360)	[0.036429]
Fluorene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	6.7 J	(360)	[0.035997]	ND	(360)	[0.036429]
Hexachlorobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Hexachlorobutadiene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Hexachlorocyclopentadiene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Hexachloroethane	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	24 J	(360)	[0.035997]	ND	(360)	[0.036429]
Isophorone	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Methyl methanesulfonate	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
N-Nitroso-di-n-butylamine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
N-Nitrosodimethylamine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
N-Nitrosodiphenylamine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
N-Nitrosodipropylamine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
N-Nitrosopiperidine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Naphthalene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	17 J	(360)	[0.035997]	ND	(360)	[0.036429]
Nitrobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0 - 2			NONE 2B CAN97-2B-06 8 - 10		
Pentachlorobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Pentachloronitrobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Pentachlorophenol	ND	(1800)	[0.035964]	ND	(1800)	[0.036670]	ND	(1800)	[0.035997]	ND	(1800)	[0.036429]
Phenacetin	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Phenanthrene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	86 J	(360)	[0.035997]	ND	(360)	[0.036429]
Phenol	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Pronamide	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Pyrene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	69 J	(360)	[0.035997]	ND	(360)	[0.036429]
Pyridine	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
Unknown	290	(0)	[0.035964]	150	(0)	[0.036670]	540	(0)	[0.035997]	260	(0)	[0.036429]
Unknown alkane	NA			NA			180	(0)	[0.035997]	NA		
Unknown trimethylhexene	NA			NA			NA			550	(0)	[0.036429]
bis(2-Chloroethoxy)methane	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
bis(2-Chloroethyl)ether	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
bis(2-Ethylhexyl)phthalate	ND	(360)	[0.035964]	63 J	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
p-Chloroaniline	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]
p-Dimethylaminoazobenzene	ND	(360)	[0.035964]	ND	(370)	[0.036670]	ND	(360)	[0.035997]	ND	(360)	[0.036429]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1

RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0 - 2			NONE 3A CAN97-3A-06 8 - 10		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	29 @	(27)	[5.327945]	32 @	(26)	[5.254730]	2500	(53)	[10.55694]	6.7 @	(28)	[5.534934]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			NA			3.9 J	(32)	[107]	NA		
Diesel (2)	NA			NA			49000 J	(53000)	[1059.322]	5400 J	(5500)	[110.497]
Ethylbenzene (2)	NA			NA			ND	(32)	[107]	NA		
Gasoline (2)	NA			NA			ND	(5400)	[107]	NA		
Jet fuel (2)	NA			NA			ND	(110000)	[1059.322]	ND	(11000)	[110.497]
Kerosene (2)	NA			NA			ND	(110000)	[1059.322]	ND	(11000)	[110.497]
Toluene (2)	NA			NA			20 J	(32)	[107]	NA		
Xylenes (total) (2)	NA			NA			21 J	(54)	[107]	NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	9.4 @	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
4,4'-DDE	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	10 @	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
4,4'-DDT	ND	(0.72)	[35.77817]	1.4 G@	(0.71)	[35.56187]	30 @	(18)	[882.1453]	ND	(0.74)	[36.92762]
Aldrin	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
Chlordane	ND	(1.8)	[35.77817]	ND	(1.8)	[35.56187]	ND	(44)	[882.1453]	ND	(1.8)	[36.92762]
Dieldrin	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
Endosulfan I	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
Endosulfan II	ND	(1.1)	[35.77817]	ND	(1.1)	[35.56187]	ND	(26)	[882.1453]	ND	(1.1)	[36.92762]
Endosulfan Sulfate	ND	(1.8)	[35.77817]	ND	(1.8)	[35.56187]	ND	(44)	[882.1453]	ND	(1.8)	[36.92762]
Endrin	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
Endrin Aldehyde	ND	(0.72)	[35.77817]	ND	(0.71)	[35.56187]	ND	(18)	[882.1453]	ND	(0.74)	[36.92762]
Endrin Ketone	ND	(1.8)	[35.77817]	ND	(1.8)	[35.56187]	ND	(44)	[882.1453]	ND	(1.8)	[36.92762]
Heptachlor	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
Heptachlor epoxide	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
Methoxychlor	ND	(1.8)	[35.77817]	ND	(1.8)	[35.56187]	ND	(44)	[882.1453]	ND	(1.8)	[36.92762]
PCB-1016	ND	(3.6)	[35.77817]	ND	(3.6)	[35.56187]	ND	(88)	[882.1453]	ND	(3.7)	[36.92762]
PCB-1221	ND	(7.2)	[35.77817]	ND	(7.1)	[35.56187]	ND	(180)	[882.1453]	ND	(7.4)	[36.92762]

Compiled: 21 January 1993

() = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0 - 2			NONE 3A CAN97-3A-06 8 - 10		
PCB-1232	ND	(7.2)	[35.77817]	ND	(7.1)	[35.56187]	ND	(180)	[882.1453]	ND	(7.4)	[36.92762]
PCB-1242	ND	(3.6)	[35.77817]	ND	(3.6)	[35.56187]	ND	(88)	[882.1453]	ND	(3.7)	[36.92762]
PCB-1248	ND	(3.6)	[35.77817]	ND	(3.6)	[35.56187]	ND	(88)	[882.1453]	ND	(3.7)	[36.92762]
PCB-1254	ND	(7.2)	[35.77817]	ND	(7.1)	[35.56187]	ND	(180)	[882.1453]	ND	(7.4)	[36.92762]
PCB-1260	ND	(7.2)	[35.77817]	ND	(7.1)	[35.56187]	ND	(180)	[882.1453]	ND	(7.4)	[36.92762]
Toxaphene	ND	(18)	[35.77817]	ND	(18)	[35.56187]	ND	(440)	[882.1453]	ND	(18)	[36.92762]
alpha-BHC	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
beta-BHC	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	1.3 J	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
delta-BHC	ND	(0.36)	[35.77817]	ND	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
gamma-BHC	0.33 J	(0.36)	[35.77817]	0.34 J	(0.36)	[35.56187]	ND	(8.8)	[882.1453]	ND	(0.37)	[36.92762]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			ND	(7.1)	[35.32320]	ND	(7.4)	[36.90036]
2,4,5-TP (Silvex)	NA			NA			ND	(6)	[35.32320]	ND	(6.3)	[36.90036]
2,4-D	NA			NA			ND	(42)	[35.32320]	ND	(44)	[36.90036]
2,4-DB	NA			NA			ND	(32)	[35.32320]	ND	(34)	[36.90036]
Dalapon	NA			NA			ND	(200)	[35.32320]	ND	(210)	[36.90036]
Dicamba	NA			NA			ND	(9.5)	[35.32320]	ND	(10)	[36.90036]
Dichloroprop	NA			NA			4 J	(23)	[35.32320]	21 J	(24)	[36.90036]
Dinoseb	NA			NA			ND	(5.3)	[35.32320]	ND	(5.5)	[36.90036]
MCPA	NA			NA			ND	(8800)	[35.32320]	ND	(9200)	[36.90036]
MCPP	NA			NA			ND	(6800)	[35.32320]	ND	(7100)	[36.90036]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
1,1,2-Trichloroethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
1,1-Dichloroethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
1,1-Dichloroethene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
1,2,3-Trichloropropane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
1,2-Dichloroethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0 - 2			NONE 3A CAN97-3A-06 8 - 10		
1,2-Dichloropropane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
2-Chloroethyl vinyl ether	ND	(11)	[1.074113]	ND	(11)	[1.067235]	ND	(11)	[1.060445]	ND	(11)	[1.108647]
2-Hexanone	ND	(54)	[1.074113]	ND	(53)	[1.067235]	ND	(53)	[1.060445]	ND	(55)	[1.108647]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.074113]	ND	(53)	[1.067235]	ND	(53)	[1.060445]	ND	(55)	[1.108647]
Acetone	38 J	(110)	[1.074113]	ND	(110)	[1.067235]	ND	(110)	[1.060445]	100 J	(110)	[1.108647]
Acrolein	ND	(81)	[1.074113]	ND	(80)	[1.067235]	ND	(80)	[1.060445]	ND	(83)	[1.108647]
Acrylonitrile	ND	(54)	[1.074113]	ND	(53)	[1.067235]	ND	(53)	[1.060445]	ND	(55)	[1.108647]
Benzene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Bromodichloromethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Bromomethane	ND	(11)	[1.074113]	ND	(11)	[1.067235]	ND	(11)	[1.060445]	ND	(11)	[1.108647]
Carbon disulfide	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Carbon tetrachloride	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Chlorobenzene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Chloroethane	ND	(11)	[1.074113]	ND	(11)	[1.067235]	ND	(11)	[1.060445]	ND	(11)	[1.108647]
Chloroform	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Chloromethane	ND	(11)	[1.074113]	ND	(11)	[1.067235]	ND	(11)	[1.060445]	ND	(11)	[1.108647]
Dibromochloromethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Dibromomethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Dichlorodifluoromethane	ND	(21)	[1.074113]	ND	(21)	[1.067235]	ND	(21)	[1.060445]	ND	(22)	[1.108647]
Ethyl benzene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	0.43 J	(5.5)	[1.108647]
Ethyl methacrylate	ND	(16)	[1.074113]	ND	(16)	[1.067235]	ND	(16)	[1.060445]	ND	(17)	[1.108647]
Iodomethane	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Methyl ethyl ketone	ND	(110)	[1.074113]	ND	(110)	[1.067235]	ND	(110)	[1.060445]	ND	(110)	[1.108647]
Methylene chloride	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	18 @	(5.3)	[1.060445]	9.5 @	(5.5)	[1.108647]
Styrene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Tetrachloroethene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Toluene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	2.3 J	(5.3)	[1.060445]	9.2 @	(5.5)	[1.108647]
Tribromomethane(Bromoform)	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Trichloroethene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0 - 2			NONE 3A CAN97-3A-06 8 - 10		
Trichlorofluoromethane	ND	(11)	[1.074113]	ND	(11)	[1.067235]	ND	(11)	[1.060445]	ND	(11)	[1.108647]
Vinyl acetate	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
Vinyl chloride	ND	(11)	[1.074113]	ND	(11)	[1.067235]	ND	(11)	[1.060445]	ND	(11)	[1.108647]
Xylenes	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	2.8 J	(5.5)	[1.108647]
cis-1,3-Dichloropropene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
trans-1,2-Dichloroethene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
trans-1,3-Dichloropropene	ND	(5.4)	[1.074113]	ND	(5.3)	[1.067235]	ND	(5.3)	[1.060445]	ND	(5.5)	[1.108647]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.074113]	ND	(11)	[1.067235]	ND	(11)	[1.060445]	ND	(11)	[1.108647]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
1,2,4-Trichlorobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
1,2-Dichlorobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
1,2-Diphenylhydrazine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
1,3-Dichlorobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
1,4-Dichlorobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
1-Chloronaphthalene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
1-Naphthylamine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.035791]	ND	(710)	[0.035515]	ND	(710)	[0.035301]	ND	(740)	[0.036954]
2,4,5-Trichlorophenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2,4,6-Trichlorophenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2,4-Dichlorophenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2,4-Dimethylphenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2,4-Dinitrophenol	ND	(1800)	[0.035791]	ND	(1800)	[0.035515]	ND	(1800)	[0.035301]	ND	(1800)	[0.036954]
2,4-Dinitrotoluene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2,6-Dichlorophenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2,6-Dinitrotoluene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2-Chloronaphthalene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2-Chlorophenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2-Methylnaphthalene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	160 J	(350)	[0.035301]	ND	(370)	[0.036954]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0 - 2			NONE 3A CAN97-3A-06 8 - 10		
2-Methylphenol(o-cresol)	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2-Naphthylamine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2-Nitroaniline	ND	(1800)	[0.035791]	ND	(1800)	[0.035515]	ND	(1800)	[0.035301]	ND	(1800)	[0.036954]
2-Nitrophenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
2-Picoline	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
3,3'-Dichlorobenzidine	ND	(720)	[0.035791]	ND	(710)	[0.035515]	ND	(710)	[0.035301]	ND	(740)	[0.036954]
3-Methylcholanthrene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
3-Nitroaniline	ND	(1800)	[0.035791]	ND	(1800)	[0.035515]	ND	(1800)	[0.035301]	ND	(1800)	[0.036954]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035791]	ND	(1800)	[0.035515]	ND	(1800)	[0.035301]	ND	(1800)	[0.036954]
4-Aminobiphenyl	ND	(360)	[0.035791]	ND	(360)	[0.035515]	84 J	(350)	[0.035301]	ND	(370)	[0.036954]
4-Bromophenyl phenyl ether	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
4-Chloro-3-methylphenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
4-Chlorophenyl phenyl ether	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
4-Methylphenol(p-cresol)	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
4-Nitroaniline	ND	(1800)	[0.035791]	ND	(1800)	[0.035515]	ND	(1800)	[0.035301]	ND	(1800)	[0.036954]
4-Nitrophenol	ND	(1800)	[0.035791]	ND	(1800)	[0.035515]	ND	(1800)	[0.035301]	ND	(1800)	[0.036954]
7,12-Dimethylbenz(a)anthracene	ND	(890)	[0.035791]	ND	(890)	[0.035515]	ND	(880)	[0.035301]	ND	(920)	[0.036954]
Acenaphthene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Acenaphthylene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Acetophenone	ND	(360)	[0.035791]	ND	(360)	[0.035515]	54 J	(350)	[0.035301]	ND	(370)	[0.036954]
Aniline	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Anthracene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	6.3 J	(350)	[0.035301]	ND	(370)	[0.036954]
Benzidine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Benzo(a)anthracene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	21 J	(350)	[0.035301]	ND	(370)	[0.036954]
Benzo(a)pyrene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	18 J	(350)	[0.035301]	ND	(370)	[0.036954]
Benzo(b)fluoranthene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	32 JX	(350)	[0.035301]	ND	(370)	[0.036954]
Benzo(g,h,i)perylene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	18 J	(350)	[0.035301]	ND	(370)	[0.036954]
Benzo(k)fluoranthene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	32 JX	(350)	[0.035301]	ND	(370)	[0.036954]
Benzoic acid	ND	(1800)	[0.035791]	ND	(1800)	[0.035515]	ND	(1800)	[0.035301]	ND	(1800)	[0.036954]

Compiled: 21 January 1993

() = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0 - 2			NONE 3A CAN97-3A-06 8 - 10		
Benzyl alcohol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Butylbenzylphthalate	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Chrysene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	24 J	(350)	[0.035301]	ND	(370)	[0.036954]
Di-n-octylphthalate	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Dibenz(a,h)anthracene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Dibenz(a,j)acridine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Dibenzofuran	ND	(360)	[0.035791]	ND	(360)	[0.035515]	23 J	(350)	[0.035301]	ND	(370)	[0.036954]
Dibutylphthalate	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Diethylphthalate	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Dimethylphenethylamine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Dimethylphthalate	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Diphenylamine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Ethyl methanesulfonate	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Fluoranthene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	29 J	(350)	[0.035301]	ND	(370)	[0.036954]
Fluorene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Hexachlorobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Hexachlorobutadiene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Hexachlorocyclopentadiene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Hexachloroethane	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	4.2 J	(350)	[0.035301]	ND	(370)	[0.036954]
Isophorone	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Methyl methanesulfonate	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
N-Nitroso-di-n-butylamine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
N-Nitrosodimethylamine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
N-Nitrosodiphenylamine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
N-Nitrosodipropylamine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
N-Nitrosopiperidine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Naphthalene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	110 J	(350)	[0.035301]	ND	(370)	[0.036954]
Nitrobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0 - 2			NONE 3A CAN97-3A-06 8 - 10		
Pentachlorobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Pentachloronitrobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Pentachlorophenol	ND	(1800)	[0.035791]	ND	(1800)	[0.035515]	ND	(1800)	[0.035301]	ND	(1800)	[0.036954]
Phenacetin	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Phenanthrene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	46 J	(350)	[0.035301]	ND	(370)	[0.036954]
Phenol	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Pronamide	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Pyrene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	34 J	(350)	[0.035301]	ND	(370)	[0.036954]
Pyridine	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
Unknown	390	(0)	[0.035791]	280	(0)	[0.035515]	490	(0)	[0.035301]	150	(0)	[0.036954]
Unknown B	NA			NA			NA			300	(0)	[0.036954]
Unknown C3-Naphthalene	NA			NA			180	(0)	[0.035301]	NA		
Unknown alkane	NA			NA			350	(0)	[0.035301]	NA		
Unknown cyclic ether B	NA			NA			NA			440	(0)	[0.036954]
Unknown cyclohexane	NA			180	(0)	[0.035515]	NA			NA		
Unknown trimethylhexene	NA			640	(0)	[0.035515]	NA			NA		
Unknown turpene	NA			250	(0)	[0.035515]	NA			NA		
bis(2-Chloroethoxy)methane	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
bis(2-Chloroethyl)ether	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
bis(2-Ethylhexyl)phthalate	16 J	(360)	[0.035791]	170 J	(360)	[0.035515]	27 J	(350)	[0.035301]	ND	(370)	[0.036954]
p-Chloroaniline	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]
p-Dimethylaminoazobenzene	ND	(360)	[0.035791]	ND	(360)	[0.035515]	ND	(350)	[0.035301]	ND	(370)	[0.036954]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	22 @	(28)	[5.612365]	330	(29)	[5.796563]	31 @	(28)	[5.676142]	110 @	(29)	[5.808145]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			ND	(34)	[113]	NA			NA		
Diesel (2)	4800 J	(5600)	[112.3595]	5300 J	(5600)	[111.8568]	NA			NA		
Ethylbenzene (2)	NA			ND	(34)	[113]	NA			NA		
Gasoline (2)	NA			ND	(5600)	[113]	NA			NA		
Jet fuel (2)	ND	(11000)	[112.3595]	ND	(11000)	[111.8568]	NA			NA		
Kerosene (2)	ND	(11000)	[112.3595]	ND	(11000)	[111.8568]	NA			NA		
Toluene (2)	NA			17 J@	(34)	[113]	NA			NA		
Xylenes (total) (2)	NA			15 J@	(56)	[113]	NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	0.43 G@	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
4,4'-DDE	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	0.059 J	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
4,4'-DDT	ND	(0.75)	[37.42514]	ND	(7.7)	[387.1467]	ND	(0.75)	[37.70739]	0.83 @	(0.78)	[38.91050]
Aldrin	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
Chlordane	ND	(1.9)	[37.42514]	ND	(19)	[387.1467]	ND	(1.9)	[37.70739]	ND	(1.9)	[38.91050]
Dieldrin	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
Endosulfan I	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
Endosulfan II	ND	(1.1)	[37.42514]	ND	(12)	[387.1467]	ND	(1.1)	[37.70739]	0.11 J	(1.2)	[38.91050]
Endosulfan Sulfate	ND	(1.9)	[37.42514]	ND	(19)	[387.1467]	ND	(1.9)	[37.70739]	0.078 J	(1.9)	[38.91050]
Endrin	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
Endrin Aldehyde	ND	(0.75)	[37.42514]	ND	(7.7)	[387.1467]	ND	(0.75)	[37.70739]	ND	(0.78)	[38.91050]
Endrin Ketone	ND	(1.9)	[37.42514]	ND	(19)	[387.1467]	ND	(1.9)	[37.70739]	ND	(1.9)	[38.91050]
Heptachlor	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	0.1 J	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
Heptachlor epoxide	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
Methoxychlor	ND	(1.9)	[37.42514]	ND	(19)	[387.1467]	ND	(1.9)	[37.70739]	ND	(1.9)	[38.91050]
PCB-1016	ND	(3.7)	[37.42514]	ND	(39)	[387.1467]	ND	(3.8)	[37.70739]	ND	(3.9)	[38.91050]
PCB-1221	ND	(7.5)	[37.42514]	ND	(77)	[387.1467]	ND	(7.5)	[37.70739]	ND	(7.8)	[38.91050]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
PCB-1232	ND	(7.5)	[37.42514]	ND	(77)	[387.1467]	ND	(7.5)	[37.70739]	ND	(7.8)	[38.91050]
PCB-1242	ND	(3.7)	[37.42514]	ND	(39)	[387.1467]	ND	(3.8)	[37.70739]	ND	(3.9)	[38.91050]
PCB-1248	ND	(3.7)	[37.42514]	ND	(39)	[387.1467]	ND	(3.8)	[37.70739]	ND	(3.9)	[38.91050]
PCB-1254	ND	(7.5)	[37.42514]	ND	(77)	[387.1467]	ND	(7.5)	[37.70739]	ND	(7.8)	[38.91050]
PCB-1260	ND	(7.5)	[37.42514]	ND	(77)	[387.1467]	ND	(7.5)	[37.70739]	ND	(7.8)	[38.91050]
Toxaphene	ND	(19)	[37.42514]	ND	(190)	[387.1467]	ND	(19)	[37.70739]	ND	(19)	[38.91050]
alpha-BHC	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
beta-BHC	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
delta-BHC	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
gamma-BHC	ND	(0.37)	[37.42514]	ND	(3.9)	[387.1467]	ND	(0.38)	[37.70739]	ND	(0.39)	[38.91050]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.5)	[37.49531]	ND	(7.7)	[38.71467]	NA			NA		
2,4,5-TP (Silvex)	ND	(6.4)	[37.49531]	ND	(6.6)	[38.71467]	NA			NA		
2,4-D	ND	(45)	[37.49531]	ND	(46)	[38.71467]	NA			NA		
2,4-DB	ND	(34)	[37.49531]	ND	(35)	[38.71467]	NA			NA		
Dalapon	ND	(220)	[37.49531]	ND	(220)	[38.71467]	NA			NA		
Dicamba	ND	(10)	[37.49531]	ND	(10)	[38.71467]	NA			NA		
Dichloroprop	17 J	(24)	[37.49531]	ND	(25)	[38.71467]	NA			NA		
Dinoseb	ND	(5.6)	[37.49531]	ND	(5.8)	[38.71467]	NA			NA		
MCPA	ND	(9300)	[37.49531]	ND	(9600)	[38.71467]	NA			NA		
MCPP	ND	(7200)	[37.49531]	ND	(7400)	[38.71467]	NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
1,1,2,2-Tetrachloroethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
1,1,2-Trichloroethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
1,1-Dichloroethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
1,1-Dichloroethene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
1,2,3-Trichloropropane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
1,2-Dichloroethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
1,2-Dichloropropane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
2-Chloroethyl vinyl ether	ND	(11)	[1.113585]	ND	(12)	[1.162790]	ND	(11)	[1.132502]	ND	(12)	[1.168224]
2-Ethylhexyl acetate	NA			4.6	()	[1.162790]	NA			NA		
2-Hexanone	ND	(56)	[1.113585]	ND	(58)	[1.162790]	ND	(57)	[1.132502]	ND	(58)	[1.168224]
4-Methyl-2-pentanone(MIBK)	ND	(56)	[1.113585]	ND	(58)	[1.162790]	ND	(57)	[1.132502]	ND	(58)	[1.168224]
Acetone	ND	(110)	[1.113585]	ND	(120)	[1.162790]	ND	(110)	[1.132502]	ND	(120)	[1.168224]
Acrolein	ND	(84)	[1.113585]	ND	(87)	[1.162790]	ND	(85)	[1.132502]	ND	(88)	[1.168224]
Acrylonitrile	ND	(56)	[1.113585]	ND	(58)	[1.162790]	ND	(57)	[1.132502]	ND	(58)	[1.168224]
Benzene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Bromodichloromethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Bromomethane	ND	(11)	[1.113585]	ND	(12)	[1.162790]	ND	(11)	[1.132502]	ND	(12)	[1.168224]
Carbon disulfide	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Carbon tetrachloride	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Chlorobenzene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Chloroethane	ND	(11)	[1.113585]	ND	(12)	[1.162790]	ND	(11)	[1.132502]	ND	(12)	[1.168224]
Chloroform	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Chloromethane	ND	(11)	[1.113585]	ND	(12)	[1.162790]	ND	(11)	[1.132502]	ND	(12)	[1.168224]
Decanal	7.8	()	[1.113585]	NA			NA			NA		
Decanal B	NA			NA			NA			14	()	[1.168224]
Dibromochloromethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Dibromomethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Dichlorodifluoromethane	ND	(22)	[1.113585]	ND	(23)	[1.162790]	ND	(23)	[1.132502]	ND	(23)	[1.168224]
Ethyl acetate	NA			40	()	[1.162790]	42	()	[1.132502]	NA		
Ethyl benzene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Ethyl methacrylate	ND	(17)	[1.113585]	ND	(17)	[1.162790]	ND	(17)	[1.132502]	ND	(18)	[1.168224]
Iodomethane	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Methyl ethyl ketone	ND	(110)	[1.113585]	ND	(120)	[1.162790]	ND	(110)	[1.132502]	ND	(120)	[1.168224]
Methylene chloride	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	2.9 J	(5.8)	[1.168224]
Nonanal	7.8	()	[1.113585]	NA			NA			9.3	()	[1.168224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
Styrene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Tetrachloroethene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Toluene	ND	(5.6)	[1.113585]	1.2 J	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	0.61 J	(5.8)	[1.168224]
Tribromomethane(Bromoform)	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Trichloroethene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Trichlorofluoromethane	ND	(11)	[1.113585]	ND	(12)	[1.162790]	ND	(11)	[1.132502]	ND	(12)	[1.168224]
Unknown	5.6	()	[1.113585]	7.3	()	[1.162790]	66	()	[1.132502]	5.8	()	[1.168224]
Vinyl acetate	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
Vinyl chloride	ND	(11)	[1.113585]	ND	(12)	[1.162790]	ND	(11)	[1.132502]	ND	(12)	[1.168224]
Xylenes	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
cis-1,3-Dichloropropene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
trans-1,2-Dichloroethene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
trans-1,3-Dichloropropene	ND	(5.6)	[1.113585]	ND	(5.8)	[1.162790]	ND	(5.7)	[1.132502]	ND	(5.8)	[1.168224]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.113585]	ND	(12)	[1.162790]	ND	(11)	[1.132502]	ND	(12)	[1.168224]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
1,2,4-Trichlorobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
1,2-Dichlorobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
1,2-Diphenylhydrazine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
1,3-Dichlorobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
1,4-Dichlorobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
1-Chloronaphthalene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
1-Naphthylamine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2,3,4,6-Tetrachlorophenol	ND	(750)	[0.037495]	ND	(23000)	[1.162790]	ND	(750)	[0.037724]	ND	(780)	[0.038914]
2,4,5-Trichlorophenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2,4,6-Trichlorophenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2,4-Dichlorophenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2,4-Dimethylphenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2,4-Dinitrophenol	ND	(1900)	[0.037495]	ND	(58000)	[1.162790]	ND	(1900)	[0.037724]	ND	(1900)	[0.038914]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
2,4-Dinitrotoluene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2,6-Dichlorophenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2,6-Dinitrotoluene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2-Chloronaphthalene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2-Chlorophenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2-Methylnaphthalene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2-Methylphenol(o-cresol)	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2-Naphthylamine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2-Nitroaniline	ND	(1900)	[0.037495]	ND	(58000)	[1.162790]	ND	(1900)	[0.037724]	ND	(1900)	[0.038914]
2-Nitrophenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
2-Picoline	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
3,3'-Dichlorobenzidine	ND	(750)	[0.037495]	ND	(23000)	[1.162790]	ND	(750)	[0.037724]	ND	(780)	[0.038914]
3-Methylcholanthrene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
3-Nitroaniline	ND	(1900)	[0.037495]	ND	(58000)	[1.162790]	ND	(1900)	[0.037724]	ND	(1900)	[0.038914]
4,6-Dinitro-2-methylphenol	ND	(1900)	[0.037495]	ND	(58000)	[1.162790]	ND	(1900)	[0.037724]	ND	(1900)	[0.038914]
4-Aminobiphenyl	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
4-Bromophenyl phenyl ether	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
4-Chloro-3-methylphenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
4-Chlorophenyl phenyl ether	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
4-Methylphenol(p-cresol)	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
4-Nitroaniline	ND	(1900)	[0.037495]	ND	(58000)	[1.162790]	ND	(1900)	[0.037724]	ND	(1900)	[0.038914]
4-Nitrophenol	ND	(1900)	[0.037495]	ND	(58000)	[1.162790]	ND	(1900)	[0.037724]	ND	(1900)	[0.038914]
7,12-Dimethylbenz(a)anthracene	ND	(940)	[0.037495]	ND	(29000)	[1.162790]	ND	(940)	[0.037724]	ND	(970)	[0.038914]
Acenaphthene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Acenaphthylene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Acetophenone	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Aniline	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Anthracene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Benzidine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
Benzo(a)anthracene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Benzo(a)pyrene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Benzo(b)fluoranthene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Benzo(g,h,i)perylene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Benzo(k)fluoranthene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Benzoic acid	ND	(1900)	[0.037495]	ND	(58000)	[1.162790]	ND	(1900)	[0.037724]	ND	(1900)	[0.038914]
Benzyl alcohol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Butylbenzylphthalate	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Chrysene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Cyclohexenol B	NA			5800	(0)	[1.162790]	NA			NA		
Cyclohexenone	NA			5800	(0)	[1.162790]	NA			NA		
Di-n-octylphthalate	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Dibenz(a,h)anthracene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Dibenz(a,j)acridine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Dibenzofuran	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Dibutylphthalate	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Diethylphthalate	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Dimethylphenethylamine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Dimethylphthalate	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Diphenylamine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Ethyl methanesulfonate	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Fluoranthene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Fluorene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Hexachlorobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.C38914]
Hexachlorobutadiene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Hexachlorocyclopentadiene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Hexachloroethane	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Indeno(1,2,3-cd)pyrene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Isophorone	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
Methyl methanesulfonate	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
N-Nitroso-di-n-butylamine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
N-Nitrosodimethylamine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
N-Nitrosodiphenylamine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
N-Nitrosodipropylamine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
N-Nitrosopiperidine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Naphthalene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Nitrobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Pentachlorobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Pentachloronitrobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Pentachlorophenol	ND	(1900)	[0.037495]	ND	(58000)	[1.162790]	ND	(1900)	[0.037724]	ND	(1900)	[0.038914]
Phenacetin	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Phenanthrene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Phenol	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Pronamide	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Pyrene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Pyridine	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
Trichloropropene(s)	NA			NA			NA			190	(0)	[0.038914]
Unknown	190	(0)	[0.037495]	5800	(0)	[1.162790]	560	(0)	[0.037724]	230	(0)	[0.038914]
Unknown cyclic ether	NA			NA			640	(0)	[0.037724]	310	(0)	[0.038914]
Unknown cyclic ether B	940	(0)	[0.037495]	9300	(0)	[1.162790]	NA			NA		
Unknown ester	NA			8100	(0)	[1.162790]	NA			NA		
bis(2-Chloroethoxy)methane	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
bis(2-Chloroethyl)ether	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
bis(2-Chloroisopropyl)ether	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
bis(2-Ethylhexyl)phthalate	ND	(370)	[0.037495]	6800 JB	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
p-Chloroaniline	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]
p-Dimethylaminoazobenzene	ND	(370)	[0.037495]	ND	(12000)	[1.162790]	ND	(380)	[0.037724]	ND	(390)	[0.038914]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	34 @	(29)	[5.741385]	69 @	(28)	[5.503856]	ND	(28)	[5.587253]	4.4 @	(27)	[5.462136]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	7.6 J	(34)	[112]	ND	(32)	[106]	NA			NA		
Diesel (2)	6900 GB@	(5700)	[114.9425]	44000 GB	(5100)	[101.0101]	NA			NA		
Ethylbenzene (2)	19 J	(34)	[112]	ND	(32)	[106]	NA			NA		
Gasoline (2)	ND	(5600)	[112]	ND	(5300)	[106]	NA			NA		
Jet fuel (2)	ND	(11000)	[114.9425]	ND	(10000)	[101.0101]	NA			NA		
Kerosene (2)	ND	(11000)	[114.9425]	ND	(10000)	[101.0101]	NA			NA		
Toluene (2)	21 J	(34)	[112]	ND	(32)	[106]	NA			NA		
Xylenes (total) (2)	51 JC	(56)	[112]	ND	(53)	[106]	NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	0.59 @	(0.38)	[38.46153]	3 @	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
4,4'-DDE	ND	(0.38)	[38.46153]	ND	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
4,4'-DDT	1.1 G@	(0.77)	[38.46153]	ND	(3.7)	[183.5535]	ND	(0.75)	[37.45318]	ND	(0.73)	[36.54970]
Aldrin	ND	(0.38)	[38.46153]	3 @	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
Chlordane	ND	(1.9)	[38.46153]	ND	(9.2)	[183.5535]	ND	(1.9)	[37.45318]	ND	(1.8)	[36.54970]
Dieldrin	ND	(0.38)	[38.46153]	9.2 G	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
Endosulfan I	ND	(0.38)	[38.46153]	ND	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
Endosulfan II	ND	(1.2)	[38.46153]	1.7 J	(5.5)	[183.5535]	ND	(1.1)	[37.45318]	ND	(1.1)	[36.54970]
Endosulfan Sulfate	ND	(1.9)	[38.46153]	ND	(9.2)	[183.5535]	ND	(1.9)	[37.45318]	ND	(1.8)	[36.54970]
Endrin	ND	(0.38)	[38.46153]	1.9 G@	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
Endrin Aldehyde	ND	(0.77)	[38.46153]	ND	(3.7)	[183.5535]	ND	(0.75)	[37.45318]	ND	(0.73)	[36.54970]
Endrin Ketone	0.068 J	(1.9)	[38.46153]	ND	(9.2)	[183.5535]	ND	(1.9)	[37.45318]	ND	(1.8)	[36.54970]
Heptachlor	ND	(0.38)	[38.46153]	5.8 G@	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
Heptachlor epoxide	0.45 G@	(0.38)	[38.46153]	2.5 G@	(1.8)	[183.5535]	0.21 J	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
Methoxychlor	ND	(1.9)	[38.46153]	ND	(9.2)	[183.5535]	ND	(1.9)	[37.45318]	ND	(1.8)	[36.54970]
PCB-1016	ND	(3.8)	[38.46153]	ND	(18)	[183.5535]	ND	(3.7)	[37.45318]	ND	(3.7)	[36.54970]
PCB-1221	ND	(7.7)	[38.46153]	ND	(37)	[183.5535]	ND	(7.5)	[37.45318]	ND	(7.3)	[36.54970]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
PCB-1232	ND	(7.7)	[38.46153]	ND	(37)	[183.5535]	ND	(7.5)	[37.45318]	ND	(7.3)	[36.54970]
PCB-1242	ND	(3.8)	[38.46153]	ND	(18)	[183.5535]	ND	(3.7)	[37.45318]	ND	(3.7)	[36.54970]
PCB-1248	ND	(3.8)	[38.46153]	ND	(18)	[183.5535]	ND	(3.7)	[37.45318]	ND	(3.7)	[36.54970]
PCB-1254	ND	(7.7)	[38.46153]	ND	(37)	[183.5535]	ND	(7.5)	[37.45318]	ND	(7.3)	[36.54970]
PCB-1260	ND	(7.7)	[38.46153]	ND	(37)	[183.5535]	ND	(7.5)	[37.45318]	ND	(7.3)	[36.54970]
Toxaphene	ND	(19)	[38.46153]	ND	(92)	[183.5535]	ND	(19)	[37.45318]	ND	(18)	[36.54970]
alpha-BHC	ND	(0.38)	[38.46153]	2.4 @	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
beta-BHC	ND	(0.38)	[38.46153]	ND	(1.8)	[183.5535]	4.3 G	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
delta-BHC	ND	(0.38)	[38.46153]	ND	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
gamma-BHC	ND	(0.38)	[38.46153]	7.5 G@	(1.8)	[183.5535]	ND	(0.37)	[37.45318]	ND	(0.37)	[36.54970]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.7)	[38.29950]	ND	(7.3)	[36.71071]	NA			NA		
2,4,5-TP (Silvex)	ND	(6.5)	[38.29950]	22 G@	(6.2)	[36.71071]	NA			NA		
2,4-D	ND	(46)	[38.29950]	ND	(44)	[36.71071]	NA			NA		
2,4-DB	ND	(35)	[38.29950]	ND	(33)	[36.71071]	NA			NA		
Dalapon	ND	(220)	[38.29950]	ND	(210)	[36.71071]	NA			NA		
Dicamba	ND	(10)	[38.29950]	ND	(9.9)	[36.71071]	NA			NA		
Dichloroprop	ND	(25)	[38.29950]	49 G@	(24)	[36.71071]	NA			NA		
Dinoseb	ND	(5.7)	[38.29950]	ND	(5.5)	[36.71071]	NA			NA		
MCPA	ND	(9500)	[38.29950]	ND	(9100)	[36.71071]	NA			NA		
MCPP	ND	(7400)	[38.29950]	9300 G@	(7000)	[36.71071]	NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
1,1,2,2-Tetrachloroethane	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
1,1,2-Trichloroethane	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
1,1-Dichloroethane	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
1,1-Dichloroethene	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
1,2,3-Trichloropropane	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
1,2-Dichloroethane	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

SITE ID	NONE	NONE	NONE	NONE
LOCATION ID	3B	3C	3C	3C
SAMPLE ID	CAN97-3B-S	CAN97-3C-01	CAN97-3C-02	CAN97-3C-03
BEG. DEPTH - END DEPTH (FT.)	0 - 2	12 - 14	18 - 20	23 - 25
PARAMETER				
1,2-Dichloropropane	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
2-Chloroethyl vinyl ether	ND (12) [1.154734]	ND (11) [1.101321]	ND (11) [1.118568]	ND (11) [1.096250]
2-Hexanone	ND (58) [1.154734]	ND (55) [1.101321]	ND (56) [1.118568]	ND (55) [1.096250]
4-Methyl-2-pentanone(MIBK)	ND (58) [1.154734]	ND (55) [1.101321]	ND (56) [1.118568]	ND (55) [1.096250]
Acetone	ND (120) [1.154734]	14 J (110) [1.101321]	ND (110) [1.118568]	ND (110) [1.096250]
Acrolein	ND (87) [1.154734]	ND (83) [1.101321]	ND (84) [1.118568]	ND (82) [1.096250]
Acrylonitrile	ND (58) [1.154734]	ND (55) [1.101321]	ND (56) [1.118568]	ND (55) [1.096250]
Benzene	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Bromodichloromethane	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Bromomethane	ND (12) [1.154734]	ND (11) [1.101321]	ND (11) [1.118568]	ND (11) [1.096250]
Carbon disulfide	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Carbon tetrachloride	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Chlorobenzene	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Chloroethane	ND (12) [1.154734]	ND (11) [1.101321]	ND (11) [1.118568]	ND (11) [1.096250]
Chloroform	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Chloromethane	ND (12) [1.154734]	ND (11) [1.101321]	ND (11) [1.118568]	ND (11) [1.096250]
Decanal	NA	NA	NA	8.8 () [1.096250]
Dibromochloromethane	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Dibromomethane	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Dichlorodifluoromethane	ND (23) [1.154734]	ND (22) [1.101321]	ND (22) [1.118568]	ND (22) [1.096250]
Ethyl benzene	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Ethyl methacrylate	ND (17) [1.154734]	ND (17) [1.101321]	ND (17) [1.118568]	ND (16) [1.096250]
Iodomethane	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Methyl ethyl ketone	ND (120) [1.154734]	ND (110) [1.101321]	ND (110) [1.118568]	ND (110) [1.096250]
Methylene chloride	4.7 J (5.8) [1.154734]	35 (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Nonanal	NA	NA	NA	22 () [1.096250]
Styrene	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Tetrachloroethene	ND (5.8) [1.154734]	ND (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]
Toluene	0.4 J (5.8) [1.154734]	1.9 J (5.5) [1.101321]	ND (5.6) [1.118568]	ND (5.5) [1.096250]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
Tribromomethane(Bromoform)	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
Trichloroethene	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
Trichlorofluoromethane	ND	(12)	[1.154734]	ND	(11)	[1.101321]	ND	(11)	[1.118568]	ND	(11)	[1.096250]
Unknown	18	()	[1.154734]	NA			NA			NA		
Vinyl acetate	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
Vinyl chloride	ND	(12)	[1.154734]	ND	(11)	[1.101321]	ND	(11)	[1.118568]	ND	(11)	[1.096250]
Xylenes	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
cis-1,3-Dichloropropene	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
trans-1,2-Dichloroethene	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
trans-1,3-Dichloropropene	ND	(5.8)	[1.154734]	ND	(5.5)	[1.101321]	ND	(5.6)	[1.118568]	ND	(5.5)	[1.096250]
trans-1,4-Dichloro-2-butene	ND	(12)	[1.154734]	ND	(11)	[1.101321]	ND	(11)	[1.118568]	ND	(11)	[1.096250]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
1,2,4-Trichlorobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
1,2-Dichlorobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
1,2-Diphenylhydrazine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
1,3-Dichlorobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
1,4-Dichlorobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
1-Chloronaphthalene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
1-Naphthylamine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2,3,4,6-Tetrachlorophenol	ND	(770)	[0.038439]	ND	(730)	[0.036710]	ND	(750)	[0.037285]	ND	(730)	[0.036541]
2,4,5-Trichlorophenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2,4,6-Trichlorophenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2,4-Dichlorophenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2,4-Dimethylphenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2,4-Dinitrophenol	ND	(1900)	[0.038439]	ND	(1800)	[0.036710]	ND	(1900)	[0.037285]	ND	(1800)	[0.036541]
2,4-Dinitrotoluene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2,6-Dichlorophenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2,6-Dinitrotoluene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
2-Chloronaphthalene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2-Chlorophenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2-Methylnaphthalene	ND	(380)	[0.038439]	68 J	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2-Methylphenol(o-cresol)	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2-Naphthylamine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2-Nitroaniline	ND	(1900)	[0.038439]	ND	(1800)	[0.036710]	ND	(1900)	[0.037285]	ND	(1800)	[0.036541]
2-Nitrophenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
2-Picoline	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
3,3'-Dichlorobenzidine	ND	(770)	[0.038439]	ND	(730)	[0.036710]	ND	(750)	[0.037285]	ND	(730)	[0.036541]
3-Methylcholanthrene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
3-Nitroaniline	ND	(1900)	[0.038439]	ND	(1800)	[0.036710]	ND	(1900)	[0.037285]	ND	(1800)	[0.036541]
4,6-Dinitro-2-methylphenol	ND	(1900)	[0.038439]	ND	(1800)	[0.036710]	ND	(1900)	[0.037285]	ND	(1800)	[0.036541]
4-Aminobiphenyl	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
4-Bromophenyl phenyl ether	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
4-Chloro-3-methylphenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
4-Chlorophenyl phenyl ether	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
4-Methylphenol(p-cresol)	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
4-Nitroaniline	ND	(1900)	[0.038439]	ND	(1800)	[0.036710]	ND	(1900)	[0.037285]	ND	(1800)	[0.036541]
4-Nitrophenol	ND	(1900)	[0.038439]	ND	(1800)	[0.036710]	ND	(1900)	[0.037285]	ND	(1800)	[0.036541]
7,12-Dimethylbenz(a)anthracene	ND	(960)	[0.038439]	ND	(920)	[0.036710]	ND	(930)	[0.037285]	ND	(910)	[0.036541]
Acenaphthene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Acenaphthylene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Acetophenone	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Aniline	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Anthracene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Benzidine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Benzo(a)anthracene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Benzo(a)pyrene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Benzo(b)fluoranthene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
Benzo(g,h,i)perylene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Benzo(k)fluoranthene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Benzoic acid	ND	(1900)	[0.038439]	ND	(1800)	[0.036710]	ND	(1900)	[0.037285]	ND	(1800)	[0.036541]
Benzyl alcohol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Butylbenzylphthalate	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
C3-Naphthalene	NA			370	(0)	[0.036710]	NA			NA		
C4-Naphthalene	NA			370	(0)	[0.036710]	NA			NA		
C5-Naphthalene	NA			1100	(0)	[0.036710]	NA			NA		
Chrysene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Cyclohexene B	NA			44000	(0)	[0.036710]	NA			NA		
Cyclohexenol	NA			NA			150	(0)	[0.037285]	360	(0)	[0.036541]
Cyclohexenone	NA			NA			NA			220	(0)	[0.036541]
Di-n-octylphthalate	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Dibenz(a,h)anthracene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Dibenz(a,j)acridine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Dibenzofuran	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Dibutylphthalate	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Diethylphthalate	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Dimethylphenethylamine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Dimethylphthalate	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Diphenylamine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Ethyl methanesulfonate	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Fluoranthene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Fluorene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Hexachlorobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Hexachlorobutadiene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Hexachlorocyclopentadiene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Hexachloroethane	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Indeno(1,2,3-cd)pyrene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1

RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
Isophorone	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Methyl methanesulfonate	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
N-Nitroso-di-n-butylamine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
N-Nitrosodimethylamine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
N-Nitrosodiphenylamine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
N-Nitrosodipropylamine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
N-Nitrosopiperidine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Naphthalene	ND	(380)	[0.038439]	36 J	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Nitrobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Pentachlorobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Pentachloronitrobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Pentachlorophenol	ND	(1900)	[0.038439]	ND	(1800)	[0.036710]	ND	(1900)	[0.037285]	ND	(1800)	[0.036541]
Phenacetin	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Phenanthrene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Phenol	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Pronamide	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Pyrene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Pyridine	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
Trichloropropene(s)	NA			NA			600	(0)	[0.037285]	NA		
Unknown	580	(0)	[0.038439]	330	(0)	[0.036710]	190	(0)	[0.037285]	880	(0)	[0.036541]
Unknown B	NA			370	(0)	[0.036710]	NA			NA		
Unknown alkane	NA			260	(0)	[0.036710]	NA			NA		
Unknown alkene	NA			NA			56000	(0)	[0.037285]	62000	(0)	[0.036541]
Unknown cyclic ether	310	(0)	[0.038439]	NA			NA			NA		
Unknown cyclic ether B	NA			NA			520	(0)	[0.037285]	1500	(0)	[0.036541]
Unknown silane	NA			920	(0)	[0.036710]	NA			NA		
bis(2-Chloroethoxy)methane	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
bis(2-Chloroethyl)ether	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
bis(2-Chloroisopropyl)ether	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]

Compiled: 21 January 1993

() = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

	SITE ID											
	LOCATION ID											
	SAMPLE ID											
	BEG. DEPTH - END DEPTH (FT.)											
PARAMETER	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
bis(2-Ethylhexyl)phthalate	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
p-Chloroaniline	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]
p-Dimethylaminoazobenzene	ND	(380)	[0.038439]	ND	(370)	[0.036710]	ND	(370)	[0.037285]	ND	(370)	[0.036541]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-04 28 - 30			NONE 3C CAN97-3C-05 33 - 35			NONE 3C CAN97-3C-06 38 - 40			NONE 3C CAN97-3C-99 Dup of CAN97-3C-06 38 - 40		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	ND	(28)	[5.501675]	49 @	(28)	[5.582357]	11 @	(28)	[5.599104]	ND	(28)	[5.568567]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	ND	(33)	[110]	NA			ND	(34)	[114]	ND	(33)	[111]
Diesel (2)	16000 GB@	(5500)	[109.8901]	NA			19000 GB@	(5600)	[112.3595]	24000 GB@	(5600)	[111.1111]
Ethylbenzene (2)	ND	(33)	[110]	NA			ND	(34)	[114]	ND	(33)	[111]
Gasoline (2)	ND	(5500)	[110]	NA			ND	(5700)	[114]	ND	(5600)	[111]
Jet fuel (2)	ND	(11000)	[109.8901]	NA			ND	(11000)	[112.3595]	ND	(11000)	[111.1111]
Kerosene (2)	ND	(11000)	[109.8901]	NA			ND	(11000)	[112.3595]	ND	(11000)	[111.1111]
Toluene (2)	ND	(33)	[110]	NA			ND	(34)	[114]	ND	(33)	[111]
Xylenes (total) (2)	ND	(55)	[110]	NA			ND	(57)	[114]	ND	(56)	[111]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
4,4'-DDE	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	0.41 @	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
4,4'-DDT	ND	(0.74)	[36.75119]	ND	(0.75)	[37.45318]	0.52 J	(0.75)	[37.45318]	ND	(0.74)	[37.03703]
Aldrin	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
Chlordane	ND	(1.8)	[36.75119]	ND	(1.9)	[37.45318]	ND	(1.9)	[37.45318]	ND	(1.9)	[37.03703]
Dieldrin	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
Endosulfan I	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
Endosulfan II	ND	(1.1)	[36.75119]	ND	(1.1)	[37.45318]	ND	(1.1)	[37.45318]	ND	(1.1)	[37.03703]
Endosulfan Sulfate	ND	(1.8)	[36.75119]	ND	(1.9)	[37.45318]	ND	(1.9)	[37.45318]	ND	(1.9)	[37.03703]
Endrin	0.37 @	(0.37)	[36.75119]	0.52 @	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
Endrin Aldehyde	ND	(0.74)	[36.75119]	ND	(0.75)	[37.45318]	ND	(0.75)	[37.45318]	ND	(0.74)	[37.03703]
Endrin Ketone	ND	(1.8)	[36.75119]	ND	(1.9)	[37.45318]	ND	(1.9)	[37.45318]	ND	(1.9)	[37.03703]
Heptachlor	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
Heptachlor epoxide	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
Methoxychlor	ND	(1.8)	[36.75119]	ND	(1.9)	[37.45318]	ND	(1.9)	[37.45318]	ND	(1.9)	[37.03703]
PCB-1016	ND	(3.7)	[36.75119]	ND	(3.7)	[37.45318]	ND	(3.7)	[37.45318]	ND	(3.7)	[37.03703]
PCB-1221	ND	(7.4)	[36.75119]	ND	(7.5)	[37.45318]	ND	(7.5)	[37.45318]	ND	(7.4)	[37.03703]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-04 28 - 30			NONE 3C CAN97-3C-05 33 - 35			NONE 3C CAN97-3C-06 38 - 40			NONE 3C CAN97-3C-99 Dup of CAN97-3C-06 38 - 40		
PCB-1232	ND	(7.4)	[36.75119]	ND	(7.5)	[37.45318]	ND	(7.5)	[37.45318]	ND	(7.4)	[37.03703]
PCB-1242	ND	(3.7)	[36.75119]	ND	(3.7)	[37.45318]	ND	(3.7)	[37.45318]	ND	(3.7)	[37.03703]
PCB-1248	ND	(3.7)	[36.75119]	ND	(3.7)	[37.45318]	ND	(3.7)	[37.45318]	ND	(3.7)	[37.03703]
PCB-1254	ND	(7.4)	[36.75119]	ND	(7.5)	[37.45318]	ND	(7.5)	[37.45318]	ND	(7.4)	[37.03703]
PCB-1260	ND	(7.4)	[36.75119]	ND	(7.5)	[37.45318]	ND	(7.5)	[37.45318]	ND	(7.4)	[37.03703]
Toxaphene	ND	(18)	[36.75119]	ND	(19)	[37.45318]	ND	(19)	[37.45318]	ND	(19)	[37.03703]
alpha-BHC	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
beta-BHC	4.8 G	(0.37)	[36.75119]	0.95 @	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	4.7 G	(0.37)	[37.03703]
delta-BHC	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
gamma-BHC	ND	(0.37)	[36.75119]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.45318]	ND	(0.37)	[37.03703]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.4)	[36.75119]	NA			ND	(7.5)	[37.32736]	ND	(7.4)	[37.16090]
2,4,5-TP (Silvex)	ND	(6.2)	[36.75119]	NA			ND	(6.3)	[37.32736]	ND	(6.3)	[37.16090]
2,4-D	ND	(44)	[36.75119]	NA			ND	(45)	[37.32736]	ND	(45)	[37.16090]
2,4-DB	ND	(33)	[36.75119]	NA			ND	(34)	[37.32736]	ND	(34)	[37.16090]
Dalapon	ND	(210)	[36.75119]	NA			ND	(220)	[37.32736]	ND	(220)	[37.16090]
Dicamba	ND	(9.9)	[36.75119]	NA			ND	(10)	[37.32736]	ND	(10)	[37.16090]
Dichloroprop	180 G	(24)	[36.75119]	NA			670 G	(24)	[37.32736]	ND	(24)	[37.16090]
Dinoseb	ND	(5.5)	[36.75119]	NA			ND	(5.6)	[37.32736]	ND	(5.6)	[37.16090]
MCPA	ND	(9200)	[36.75119]	NA			ND	(9300)	[37.32736]	ND	(9300)	[37.16090]
MCPP	ND	(7100)	[36.75119]	NA			ND	(7200)	[37.32736]	ND	(7100)	[37.16090]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
1,1,2,2-Tetrachloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
1,1,2-Trichloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
1,1-Dichloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
1,1-Dichloroethene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
1,2,3-Trichloropropane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
1,2-Dichloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

SITE ID	NONE	NONE	NONE	NONE
LOCATION ID	3C	3C	3C	3C
SAMPLE ID	CAN97-3C-04	CAN97-3C-05	CAN97-3C-06	CAN97-3C-99 Dup of CAN97-3C-06
BEG. DEPTH - END DEPTH (FT.)	28 - 30	33 - 35	38 - 40	38 - 40
PARAMETER				
1,2-Dichloropropane	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
2-Chloroethyl vinyl ether	ND (11) [1.102535]	ND (11) [1.119820]	ND (11) [1.117318]	ND (11) [1.114827]
2-Hexanone	ND (55) [1.102535]	ND (56) [1.119820]	ND (56) [1.117318]	ND (56) [1.114827]
4-Methyl-2-pentanone(MIBK)	ND (55) [1.102535]	ND (56) [1.119820]	ND (56) [1.117318]	ND (56) [1.114827]
Acetone	ND (110) [1.102535]	ND (110) [1.119820]	ND (110) [1.117318]	ND (110) [1.114827]
Acrolein	ND (83) [1.102535]	ND (84) [1.119820]	ND (84) [1.117318]	ND (84) [1.114827]
Acrylonitrile	ND (55) [1.102535]	ND (56) [1.119820]	ND (56) [1.117318]	ND (56) [1.114827]
Benzene	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Bromodichloromethane	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Bromomethane	ND (11) [1.102535]	ND (11) [1.119820]	ND (11) [1.117318]	ND (11) [1.114827]
Carbon disulfide	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Carbon tetrachloride	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Chlorobenzene	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Chloroethane	ND (11) [1.102535]	ND (11) [1.119820]	ND (11) [1.117318]	ND (11) [1.114827]
Chloroform	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Chloromethane	ND (11) [1.102535]	ND (11) [1.119820]	ND (11) [1.117318]	ND (11) [1.114827]
Decanal	13 () [1.102535]	NA	NA	6.7 () [1.114827]
Dibromochloromethane	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Dibromomethane	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Dichlorodifluoromethane	ND (22) [1.102535]	ND (22) [1.119820]	ND (22) [1.117318]	ND (22) [1.114827]
Ethyl benzene	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Ethyl methacrylate	ND (17) [1.102535]	ND (17) [1.119820]	ND (17) [1.117318]	ND (17) [1.114827]
Iodomethane	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Methyl ethyl ketone	ND (110) [1.102535]	ND (110) [1.119820]	ND (110) [1.117318]	ND (110) [1.114827]
Methylene chloride	ND (5.5) [1.102535]	8.8 @ (5.6) [1.119820]	4.4 J (5.6) [1.117318]	ND (5.6) [1.114827]
Nonanal	23 () [1.102535]	NA	NA	5.6 () [1.114827]
Styrene	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Tetrachloroethene	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]
Toluene	ND (5.5) [1.102535]	ND (5.6) [1.119820]	ND (5.6) [1.117318]	ND (5.6) [1.114827]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3C CAN97-3C-04 28 - 30			NONE 3C CAN97-3C-05 33 - 35			NONE 3C CAN97-3C-06 38 - 40			NONE 3C CAN97-3C-99 Dup of CAN97-3C-06 38 - 40		
Tribromomethane(Bromoform)	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
Trichloroethene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
Trichlorofluoromethane	ND	(11)	[1.102535]	ND	(11)	[1.119820]	ND	(11)	[1.117318]	ND	(11)	[1.114827]
Vinyl acetate	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
Vinyl chloride	ND	(11)	[1.102535]	ND	(11)	[1.119820]	ND	(11)	[1.117318]	ND	(11)	[1.114827]
Xylenes	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
cis-1,3-Dichloropropene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
trans-1,2-Dichloroethene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
trans-1,3-Dichloropropene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.119820]	ND	(5.6)	[1.117318]	ND	(5.6)	[1.114827]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.102535]	ND	(11)	[1.119820]	ND	(11)	[1.117318]	ND	(11)	[1.114827]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
1,2,4-Trichlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
1,2-Dichlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
1,2-Diphenylhydrazine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
1,3-Dichlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
1,4-Dichlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
1-Chloronaphthalene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
1-Naphthylamine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2,3,4,6-Tetrachlorophenol	ND	(740)	[0.036751]	ND	(750)	[0.037327]	ND	(750)	[0.037327]	ND	(740)	[0.037160]
2,4,5-Trichlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2,4,6-Trichlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2,4-Dichlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2,4-Dimethylphenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2,4-Dinitrophenol	ND	(1800)	[0.036751]	ND	(1900)	[0.037327]	ND	(1900)	[0.037327]	ND	(1900)	[0.037160]
2,4-Dinitrotoluene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2,6-Dichlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2,6-Dinitrotoluene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2-Chloronaphthalene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3C CAN97-3C-04 28 - 30			NONE 3C CAN97-3C-05 33 - 35			NONE 3C CAN97-3C-06 38 - 40			NONE 3C CAN97-3C-99 Dup of CAN97-3C-06 38 - 40		
2-Chlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2-Methylnaphthalene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2-Methylphenol(o-cresol)	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2-Naphthylamine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2-Nitroaniline	ND	(1800)	[0.036751]	ND	(1900)	[0.037327]	ND	(1900)	[0.037327]	ND	(1900)	[0.037160]
2-Nitrophenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
2-Picoline	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
3,3'-Dichlorobenzidine	ND	(740)	[0.036751]	ND	(750)	[0.037327]	ND	(750)	[0.037327]	ND	(740)	[0.037160]
3-Methylcholanthrene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
3-Nitroaniline	ND	(1800)	[0.036751]	ND	(1900)	[0.037327]	ND	(1900)	[0.037327]	ND	(1900)	[0.037160]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.036751]	ND	(1900)	[0.037327]	ND	(1900)	[0.037327]	ND	(1900)	[0.037160]
4-Aminobiphenyl	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
4-Bromophenyl phenyl ether	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
4-Chloro-3-methylphenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
4-Chlorophenyl phenyl ether	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
4-Methylphenol(p-cresol)	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
4-Nitroaniline	ND	(1800)	[0.036751]	ND	(1900)	[0.037327]	ND	(1900)	[0.037327]	ND	(1900)	[0.037160]
4-Nitrophenol	ND	(1800)	[0.036751]	ND	(1900)	[0.037327]	ND	(1900)	[0.037327]	ND	(1900)	[0.037160]
7,12-Dimethylbenz(a)anthracene	ND	(920)	[0.036751]	ND	(930)	[0.037327]	ND	(930)	[0.037327]	ND	(930)	[0.037160]
Acenaphthene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Acenaphthylene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Acetophenone	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Aniline	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Anthracene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Benzidine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Benzo(a)anthracene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Benzo(a)pyrene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Benzo(b)fluoranthene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Benzo(g,h,i)perylene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3C CAN97-3C-04 28 - 30			NONE 3C CAN97-3C-05 33 - 35			NONE 3C CAN97-3C-06 38 - 40			NONE 3C CAN97-3C-99 Dup of CAN97-3C-06 38 - 40		
Benzo(k)fluoranthene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Benzoic acid	ND	(1800)	[0.036751]	ND	(1900)	[0.037327]	ND	(1900)	[0.037327]	ND	(1900)	[0.037160]
Benzyl alcohol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Butylbenzylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Chrysene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Cyclohexenol	180	(0)	[0.036751]	340	(0)	[0.037327]	370	(0)	[0.037327]	NA		
Cyclohexenone	NA			150	(0)	[0.037327]	190	(0)	[0.037327]	180	(0)	[0.037160]
Di-n-octylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Dibenz(a,h)anthracene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Dibenz(a,j)acridine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Dibenzofuran	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Dibutylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Diethylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Dimethylphenethylamine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Dimethylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Diphenylamine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Ethyl methanesulfonate	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Fluoranthene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Fluorene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Hexachlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Hexachlorobutadiene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Hexachlorocyclopentadiene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Hexachloroethane	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Indeno(1,2,3-cd)pyrene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Isophorone	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Methyl methanesulfonate	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
N-Nitroso-di-n-butylamine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
N-Nitrosodimethylamine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
N-Nitrosodiphenylamine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-04 28 - 30			NONE 3C CAN97-3C-05 33 - 35			NONE 3C CAN97-3C-06 38 - 40			NONE 3C CAN97-3C-99 Dup of CAN97-3C-06 38 - 40		
N-Nitrosodipropylamine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
N-Nitrosopiperidine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Naphthalene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Nitrobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Pentachlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Pentachloronitrobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Pentachlorophenol	ND	(1800)	[0.036751]	ND	(1900)	[0.037327]	ND	(1900)	[0.037327]	ND	(1900)	[0.037160]
Phenacetin	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Phenanthrene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Phenol	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Pronamide	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Pyrene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037150]
Pyridine	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
Unknown	220	(0)	[0.036751]	410	(0)	[0.037327]	410	(0)	[0.037327]	300	(0)	[0.037160]
Unknown alkene	48000	(0)	[0.036751]	52000	(0)	[0.037327]	56000	(0)	[0.037327]	48000	(0)	[0.037160]
Unknown cyclic ether B	700	(0)	[0.036751]	1100	(0)	[0.037327]	1300	(0)	[0.037327]	1200	(0)	[0.037160]
Unknown ester	NA			190	(0)	[0.037327]	NA			NA		
bis(2-Chloroethoxy)methane	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
bis(2-Chloroethyl)ether	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
bis(2-Chloroisopropyl)ether	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
bis(2-Ethylhexyl)phthalate	29 J	(370)	[0.036751]	82 J	(370)	[0.037327]	ND	(370)	[0.037327]	52 J	(370)	[0.037160]
p-Chloroaniline	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]
p-Dimethylaminoazobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037327]	ND	(370)	[0.037327]	ND	(370)	[0.037160]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	4.5 @	(28)	[5.504422]	22 @	(28)	[5.545099]	4.6 @	(28)	[5.634161]	4.4 @	(27)	[5.381388]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
4,4'-DDE	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
4,4'-DDT	0.5 J	(0.74)	[36.75119]	ND	(0.74)	[37.03703]	0.49 J	(0.75)	[37.45318]	ND	(0.72)	[35.91954]
Aldrin	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
Chlordane	ND	(1.8)	[36.75119]	ND	(1.9)	[37.03703]	ND	(1.9)	[37.45318]	ND	(1.8)	[35.91954]
Dieldrin	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
Endosulfan I	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
Endosulfan II	ND	(1.1)	[36.75119]	ND	(1.1)	[37.03703]	0.05 J	(1.1)	[37.45318]	ND	(1.1)	[35.91954]
Endosulfan Sulfate	ND	(1.8)	[36.75119]	ND	(1.9)	[37.03703]	ND	(1.9)	[37.45318]	ND	(1.8)	[35.91954]
Endrin	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
Endrin Aldehyde	ND	(0.74)	[36.75119]	ND	(0.74)	[37.03703]	ND	(0.75)	[37.45318]	ND	(0.72)	[35.91954]
Endrin Ketone	ND	(1.8)	[36.75119]	ND	(1.9)	[37.03703]	ND	(1.9)	[37.45318]	ND	(1.8)	[35.91954]
Heptachlor	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
Heptachlor epoxide	0.27 J	(0.37)	[36.75119]	0.21 J	(0.37)	[37.03703]	0.26 J	(0.37)	[37.45318]	0.17 J	(0.36)	[35.91954]
Methoxychlor	ND	(1.8)	[36.75119]	ND	(1.9)	[37.03703]	ND	(1.9)	[37.45318]	ND	(1.8)	[35.91954]
PCB-1016	ND	(3.7)	[36.75119]	ND	(3.7)	[37.03703]	ND	(3.7)	[37.45318]	ND	(3.6)	[35.91954]
PCB-1221	ND	(7.4)	[36.75119]	ND	(7.4)	[37.03703]	ND	(7.5)	[37.45318]	ND	(7.2)	[35.91954]
PCB-1232	ND	(7.4)	[36.75119]	ND	(7.4)	[37.03703]	ND	(7.5)	[37.45318]	ND	(7.2)	[35.91954]
PCB-1242	ND	(3.7)	[36.75119]	ND	(3.7)	[37.03703]	ND	(3.7)	[37.45318]	ND	(3.6)	[35.91954]
PCB-1248	ND	(3.7)	[36.75119]	ND	(3.7)	[37.03703]	ND	(3.7)	[37.45318]	ND	(3.6)	[35.91954]
PCB-1254	ND	(7.4)	[36.75119]	ND	(7.4)	[37.03703]	ND	(7.5)	[37.45318]	ND	(7.2)	[35.91954]
PCB-1260	ND	(7.4)	[36.75119]	ND	(7.4)	[37.03703]	ND	(7.5)	[37.45318]	ND	(7.2)	[35.91954]
Toxaphene	ND	(18)	[36.75119]	ND	(19)	[37.03703]	ND	(19)	[37.45318]	ND	(18)	[35.91954]
alpha-BHC	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
beta-BHC	ND	(0.37)	[36.75119]	9.9 G	(0.37)	[37.03703]	12 G	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
delta-BHC	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
gamma-BHC	ND	(0.37)	[36.75119]	ND	(0.37)	[37.03703]	ND	(0.37)	[37.45318]	ND	(0.36)	[35.91954]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
1,1,2,2-Tetrachloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
1,1,2-Trichloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
1,1-Dichloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
1,1-Dichloroethene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
1,2,3-Trichloropropane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
1,2-Dichloroethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
1,2-Dichloropropane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
2-Chloroethyl vinyl ether	ND	(11)	[1.102535]	ND	(11)	[1.112347]	ND	(11)	[1.127395]	ND	(11)	[1.077354]
2-Hexanone	2.4 J	(55)	[1.102535]	ND	(56)	[1.112347]	ND	(56)	[1.127395]	ND	(54)	[1.077354]
4-Methyl-2-pentanone(MIBK)	ND	(55)	[1.102535]	ND	(56)	[1.112347]	ND	(56)	[1.127395]	ND	(54)	[1.077354]
Acetone	ND	(110)	[1.102535]	ND	(110)	[1.112347]	ND	(110)	[1.127395]	ND	(110)	[1.077354]
Acrolein	ND	(83)	[1.102535]	ND	(83)	[1.112347]	ND	(85)	[1.127395]	ND	(81)	[1.077354]
Acrylonitrile	ND	(55)	[1.102535]	ND	(56)	[1.112347]	ND	(56)	[1.127395]	ND	(54)	[1.077354]
Benzene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Bromodichloromethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Bromomethane	ND	(11)	[1.102535]	ND	(11)	[1.112347]	ND	(11)	[1.127395]	ND	(11)	[1.077354]
Carbon disulfide	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Carbon tetrachloride	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Chlorobenzene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Chloroethane	ND	(11)	[1.102535]	ND	(11)	[1.112347]	ND	(11)	[1.127395]	ND	(11)	[1.077354]
Chloroform	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Chloromethane	ND	(11)	[1.102535]	ND	(11)	[1.112347]	ND	(11)	[1.127395]	ND	(11)	[1.077354]
Decanal	NA			5.6	()	[1.112347]	9	()	[1.127395]	8.6	()	[1.077354]
Dibromochloromethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Dibromomethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Dichlorodifluoromethane	ND	(22)	[1.102535]	ND	(22)	[1.112347]	ND	(23)	[1.127395]	ND	(22)	[1.077354]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
Ethyl acetate	NA			NA			NA			78		() [1.077354]
Ethyl benzene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Ethyl methacrylate	ND	(17)	[1.102535]	ND	(17)	[1.112347]	ND	(17)	[1.127395]	ND	(16)	[1.077354]
Iodomethane	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Methyl ethyl ketone	ND	(110)	[1.102535]	ND	(110)	[1.112347]	ND	(110)	[1.127395]	ND	(110)	[1.077354]
Methylene chloride	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Nonanal	NA			5.6	()	[1.112347]	9	()	[1.127395]	11	()	[1.077354]
Styrene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Tetrachloroethene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Toluene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Tribromomethane(Bromoform)	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Trichloroethene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Trichlorofluoromethane	ND	(11)	[1.102535]	ND	(11)	[1.112347]	ND	(11)	[1.127395]	ND	(11)	[1.077354]
Unknown	NA			NA			NA			12	()	[1.077354]
Vinyl acetate	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
Vinyl chloride	ND	(11)	[1.102535]	ND	(11)	[1.112347]	ND	(11)	[1.127395]	ND	(11)	[1.077354]
Xylenes	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
cis-1,3-Dichloropropene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
trans-1,2-Dichloroethene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
trans-1,3-Dichloropropene	ND	(5.5)	[1.102535]	ND	(5.6)	[1.112347]	ND	(5.6)	[1.127395]	ND	(5.4)	[1.077354]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.102535]	ND	(11)	[1.112347]	ND	(11)	[1.127395]	ND	(11)	[1.077354]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
1,2,4-Trichlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
1,2-Dichlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
1,2-Diphenylhydrazine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
1,3-Dichlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
1,4-Dichlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
1-Chloronaphthalene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
1-Naphthylamine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2,3,4,6-Tetrachlorophenol	ND	(740)	[0.036751]	ND	(740)	[0.037078]	ND	(750)	[0.037579]	ND	(720)	[0.035911]
2,4,5-Trichlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2,4,6-Trichlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2,4-Dichlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2,4-Dimethylphenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2,4-Dinitrophenol	ND	(1800)	[0.036751]	ND	(1900)	[0.037078]	ND	(1900)	[0.037579]	ND	(1800)	[0.035911]
2,4-Dinitrotoluene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2,6-Dichlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2,6-Dinitrotoluene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2-Chloronaphthalene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2-Chlorophenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2-Methylnaphthalene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2-Methylphenol(o-cresol)	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2-Naphthylamine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2-Nitroaniline	ND	(1800)	[0.036751]	ND	(1900)	[0.037078]	ND	(1900)	[0.037579]	ND	(1800)	[0.035911]
2-Nitrophenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
2-Picoline	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
3,3'-Dichlorobenzidine	ND	(740)	[0.036751]	ND	(740)	[0.037078]	ND	(750)	[0.037579]	ND	(720)	[0.035911]
3-Methylcholanthrene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
3-Nitroaniline	ND	(1800)	[0.036751]	ND	(1900)	[0.037078]	ND	(1900)	[0.037579]	ND	(1800)	[0.035911]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.036751]	ND	(1900)	[0.037078]	ND	(1900)	[0.037579]	ND	(1800)	[0.035911]
4-Aminobiphenyl	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
4-Bromophenyl phenyl ether	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
4-Chloro-3-methylphenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
4-Chlorophenyl phenyl ether	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
4-Methylphenol(p-cresol)	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
4-Nitroaniline	ND	(1800)	[0.036751]	ND	(1900)	[0.037078]	ND	(1900)	[0.037579]	ND	(1800)	[0.035911]
4-Nitrophenol	ND	(1800)	[0.036751]	ND	(1900)	[0.037078]	ND	(1900)	[0.037579]	ND	(1800)	[0.035911]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
7,12-Dimethylbenz(a)anthracene	ND	(920)	[0.036751]	ND	(930)	[0.037078]	ND	(940)	[0.037579]	ND	(900)	[0.035911]
Acenaphthene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Acenaphthylene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Acetophenone	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Aniline	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Anthracene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Benzidine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Benzo(a)anthracene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Benzo(a)pyrene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Benzo(b)fluoranthene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Benzo(g,h,i)perylene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Benzo(k)fluoranthene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Benzoic acid	ND	(1800)	[0.036751]	ND	(1900)	[0.037078]	ND	(1900)	[0.037579]	ND	(1800)	[0.035911]
Benzyl alcohol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Butylbenzylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Chrysene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Di-n-octylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Dibenz(a,h)anthracene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Dibenz(a,j)acridine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Dibenzofuran	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Dibutylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Diethylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Dimethylphenethylamine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Dimethylphthalate	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Diphenylamine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Ethyl methanesulfonate	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Fluoranthene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Fluorene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Hexachlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
Hexachlorobutadiene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Hexachlorocyclopentadiene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Hexachloroethane	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Indeno(1,2,3-cd)pyrene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Isophorone	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Methyl methanesulfonate	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
N-Nitroso-di-n-butylamine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
N-Nitrosodimethylamine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
N-Nitrosodiphenylamine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
N-Nitrosodipropylamine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
N-Nitrosopiperidine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Naphthalene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Nitrobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Pentachlorobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Pentachloronitrobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Pentachlorophenol	ND	(1800)	[0.036751]	ND	(1900)	[0.037078]	ND	(1900)	[0.037579]	ND	(1800)	[0.035911]
Phenacetin	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Phenanthrene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Phenol	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Pronamide	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Pyrene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Pyridine	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
Trichloropropene(s)	480	(0)	[0.036751]	NA			NA			NA		
Unknown	180	(0)	[0.036751]	330	(0)	[0.037078]	220	(0)	[0.037579]	470	(0)	[0.035911]
Unknown alkene	55000	(0)	[0.036751]	NA			NA			NA		
Unknown cyclic ether B	370	(0)	[0.036751]	NA			NA			NA		
bis(2-Chloroethoxy)methane	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
bis(2-Chloroethyl)ether	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
bis(2-Chloroisopropyl)ether	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
bis(2-Ethylhexyl)phthalate	ND	(370)	[0.036751]	270 J	(370)	[0.037078]	21 J	(380)	[0.037579]	36 J	(360)	[0.035911]
p-Chloroaniline	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]
p-Dimethylaminoazobenzene	ND	(370)	[0.036751]	ND	(370)	[0.037078]	ND	(380)	[0.037579]	ND	(360)	[0.035911]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 3C CAN97-3C-11 63 - 65				NONE 3C CAN97-3C-12 68 - 70				NONE 3C CAN97-3C-13 71 - 73				NONE 4A CAN97-4A-06 8 - 10			
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)																
Hydrocarbons	ND		(26)	[5.234208]	ND		(26)	[5.261514]	ND		(26)	[5.279016]	ND		(27)	[5.417118]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)																
4,4'-DDD	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	0.41	GB@	(0.36)	[36.10108]
4,4'-DDE	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	ND		(0.36)	[36.10108]
4,4'-DDT	ND		(0.7)	[34.9406]	ND		(0.7)	[35.16174]	ND		(0.7)	[35.23608]	0.53	J	(0.72)	[36.10108]
Aldrin	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	ND		(0.36)	[36.10108]
Chlordane	ND		(1.7)	[34.9406]	ND		(1.8)	[35.16174]	ND		(1.8)	[35.23608]	ND		(1.8)	[36.10108]
Dieldrin	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	ND		(0.36)	[36.10108]
Endosulfan I	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	ND		(0.36)	[36.10108]
Endosulfan II	ND		(1)	[34.9406]	ND		(1.1)	[35.16174]	ND		(1.1)	[35.23608]	ND		(1.1)	[36.10108]
Endosulfan Sulfate	ND		(1.7)	[34.9406]	ND		(1.8)	[35.16174]	ND		(1.8)	[35.23608]	ND		(1.8)	[36.10108]
Endrin	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	ND		(0.36)	[36.10108]
Endrin Aldehyde	ND		(0.7)	[34.9406]	ND		(0.7)	[35.16174]	ND		(0.7)	[35.23608]	ND		(0.72)	[36.10108]
Endrin Ketone	ND		(1.7)	[34.9406]	ND		(1.8)	[35.16174]	ND		(1.8)	[35.23608]	ND		(1.8)	[36.10108]
Heptachlor	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	0.11	J	(0.36)	[36.10108]
Heptachlor epoxide	0.18	J	(0.35)	[34.9406]	ND		(0.35)	[35.16174]	0.19	J	(0.35)	[35.23608]	ND		(0.36)	[36.10108]
Methoxychlor	ND		(1.7)	[34.9406]	ND		(1.8)	[35.16174]	ND		(1.8)	[35.23608]	ND		(1.8)	[36.10108]
PCB-1016	ND		(3.5)	[34.9406]	ND		(3.5)	[35.16174]	ND		(3.5)	[35.23608]	ND		(3.6)	[36.10108]
PCB-1221	ND		(7)	[34.9406]	ND		(7)	[35.16174]	ND		(7)	[35.23608]	ND		(7.2)	[36.10108]
PCB-1232	ND		(7)	[34.9406]	ND		(7)	[35.16174]	ND		(7)	[35.23608]	ND		(7.2)	[36.10108]
PCB-1242	ND		(3.5)	[34.9406]	ND		(3.5)	[35.16174]	ND		(3.5)	[35.23608]	ND		(3.6)	[36.10108]
PCB-1248	ND		(3.5)	[34.9406]	ND		(3.5)	[35.16174]	ND		(3.5)	[35.23608]	ND		(3.6)	[36.10108]
PCB-1254	ND		(7)	[34.9406]	ND		(7)	[35.16174]	ND		(7)	[35.23608]	ND		(7.2)	[36.10108]
PCB-1260	ND		(7)	[34.9406]	ND		(7)	[35.16174]	ND		(7)	[35.23608]	ND		(7.2)	[36.10108]
Toxaphene	ND		(17)	[34.9406]	ND		(18)	[35.16174]	ND		(18)	[35.23608]	ND		(18)	[36.10108]
alpha-BHC	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	ND		(0.36)	[36.10108]
beta-BHC	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	ND		(0.36)	[36.10108]
delta-BHC	ND		(0.35)	[34.9406]	ND		(0.35)	[35.16174]	ND		(0.35)	[35.23608]	ND		(0.36)	[36.10108]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 3C CAN97-3C-11 63 - 65			NONE 3C CAN97-3C-12 68 - 70			NONE 3C CAN97-3C-13 71 - 73			NONE 4A CAN97-4A-06 8 - 10					
gamma-BHC	ND	(0.35)	[34.9406]	ND	(0.35)	[35.16174]	ND	(0.35)	[35.23608]	ND		(0.36)	[36.10108]		
SW8240 - Volatile Organics (ug/kg)															
1,1,1-Trichloroethane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
1,1,2,2-Tetrachloroethane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
1,1,2-Trichloroethane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
1,1-Dichloroethane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
1,1-Dichloroethene	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
1,2,3-Trichloropropane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
1,2-Dichloroethane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
1,2-Dichloropropane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
2-Chloroethyl vinyl ether	ND	(10)	[1.047888]	ND	(11)	[1.054407]	ND	(11)	[1.056859]	ND		(11)	[1.083893]		
2-Hexanone	ND	(52)	[1.047888]	ND	(53)	[1.054407]	ND	(53)	[1.056859]	2.2	J	(54)	[1.083893]		
4-Methyl-2-pentanone(MIBK)	ND	(52)	[1.047888]	ND	(53)	[1.054407]	ND	(53)	[1.056859]	ND		(54)	[1.083893]		
Acetone	ND	(100)	[1.047888]	ND	(110)	[1.054407]	ND	(110)	[1.056859]	ND		(110)	[1.083893]		
Acrolein	ND	(79)	[1.047888]	ND	(79)	[1.054407]	ND	(79)	[1.056859]	ND		(81)	[1.083893]		
Acrylonitrile	ND	(52)	[1.047888]	ND	(53)	[1.054407]	ND	(53)	[1.056859]	ND		(54)	[1.083893]		
Benzene	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
Bromodichloromethane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
Bromomethane	ND	(10)	[1.047888]	ND	(11)	[1.054407]	ND	(11)	[1.056859]	ND		(11)	[1.083893]		
Carbon disulfide	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
Carbon tetrachloride	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
Chlorobenzene	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
Chloroethane	ND	(10)	[1.047888]	ND	(11)	[1.054407]	ND	(11)	[1.056859]	ND		(11)	[1.083893]		
Chloroform	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
Chloromethane	ND	(10)	[1.047888]	ND	(11)	[1.054407]	ND	(11)	[1.056859]	ND		(11)	[1.083893]		
Decanal	7.3	()	[1.047888]	6.3	()	[1.054407]	5.3	()	[1.056859]		NA				
Dibromochloromethane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
Dibromomethane	ND	(5.2)	[1.047888]	ND	(5.3)	[1.054407]	ND	(5.3)	[1.056859]	ND		(5.4)	[1.083893]		
Dichlorodifluoromethane	ND	(21)	[1.047888]	ND	(21)	[1.054407]	ND	(21)	[1.056859]	ND		(22)	[1.083893]		

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 3C CAN97-3C-11 63 - 65				NONE 3C CAN97-3C-12 68 - 70				NONE 3C CAN97-3C-13 71 - 73				NONE 4A CAN97-4A-06 8 - 10			
Ethyl acetate	31		()	[1.047888]	7.4		()	[1.054407]	NA				NA			
Ethyl benzene	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
Ethyl methacrylate	ND		(16)	[1.047888]	ND		(16)	[1.054407]	ND		(16)	[1.056859]	ND		(16)	[1.083893]
Iodomethane	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
Methyl ethyl ketone	ND		(100)	[1.047888]	ND		(110)	[1.054407]	ND		(110)	[1.056859]	ND		(110)	[1.083893]
Methylene chloride	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	4.2	J	(5.4)	[1.083893]
Nonanal	7.3		()	[1.047888]	8.4		()	[1.054407]	NA				NA			
Styrene	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
Tetrachloroethene	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
Toluene	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	0.66	J	(5.4)	[1.083893]
Tribromomethane(Bromoform)	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
Trichloroethene	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
Trichlorofluoromethane	ND		(10)	[1.047888]	ND		(11)	[1.054407]	ND		(11)	[1.056859]	ND		(11)	[1.083893]
Unknown	17		()	[1.047888]	5.3		()	[1.054407]	NA				NA			
Vinyl acetate	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
Vinyl chloride	ND		(10)	[1.047888]	ND		(11)	[1.054407]	ND		(11)	[1.056859]	ND		(11)	[1.083893]
Xylenes	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
cis-1,3-Dichloropropene	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
trans-1,2-Dichloroethene	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
trans-1,3-Dichloropropene	ND		(5.2)	[1.047888]	ND		(5.3)	[1.054407]	ND		(5.3)	[1.056859]	ND		(5.4)	[1.083893]
trans-1,4-Dichloro-2-butene	ND		(10)	[1.047888]	ND		(11)	[1.054407]	ND		(11)	[1.056859]	ND		(11)	[1.083893]
SW8270 - Semivolatile Organics (ug/kg)																
1,2,4,5-Tetrachlorobenzene	ND		(350)	[0.034929]	ND		(350)	[0.035146]	ND		(350)	[0.035228]	ND		(360)	[0.036033]
1,2,4-Trichlorobenzene	ND		(350)	[0.034929]	ND		(350)	[0.035146]	ND		(350)	[0.035228]	ND		(360)	[0.036033]
1,2-Dichlorobenzene	ND		(350)	[0.034929]	ND		(350)	[0.035146]	ND		(350)	[0.035228]	ND		(360)	[0.036033]
1,2-Diphenylhydrazine	ND		(350)	[0.034929]	ND		(350)	[0.035146]	ND		(350)	[0.035228]	ND		(360)	[0.036033]
1,3-Dichlorobenzene	ND		(350)	[0.034929]	ND		(350)	[0.035146]	ND		(350)	[0.035228]	ND		(360)	[0.036033]
1,4-Dichlorobenzene	ND		(350)	[0.034929]	ND		(350)	[0.035146]	ND		(350)	[0.035228]	ND		(360)	[0.036033]
1-Chloronaphthalene	ND		(350)	[0.034929]	ND		(350)	[0.035146]	ND		(350)	[0.035228]	ND		(360)	[0.036033]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 3C CAN97-3C-11 63 - 65			NONE 3C CAN97-3C-12 68 - 70			NONE 3C CAN97-3C-13 71 - 73			NONE 4A CAN97-4A-06 8 - 10		
1-Naphthylamine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2,3,4,6-Tetrachlorophenol	ND	(700)	[0.034929]	ND	(700)	[0.035146]	ND	(700)	[0.035228]	ND	(720)	[0.036033]
2,4,5-Trichlorophenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2,4,6-Trichlorophenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2,4-Dichlorophenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2,4-Dimethylphenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2,4-Dinitrophenol	ND	(1700)	[0.034929]	ND	(1800)	[0.035146]	ND	(1800)	[0.035228]	ND	(1800)	[0.036033]
2,4-Dinitrotoluene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2,6-Dichlorophenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2,6-Dinitrotoluene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2-Chloronaphthalene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2-Chlorophenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2-Methylnaphthalene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2-Methylphenol(o-cresol)	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2-Naphthylamine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2-Nitroaniline	ND	(1700)	[0.034929]	ND	(1800)	[0.035146]	ND	(1800)	[0.035228]	ND	(1800)	[0.036033]
2-Nitrophenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
2-Picoline	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
3,3'-Dichlorobenzidine	ND	(700)	[0.034929]	ND	(700)	[0.035146]	ND	(700)	[0.035228]	ND	(720)	[0.036033]
3-Methylcholanthrene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
3-Nitroaniline	ND	(1700)	[0.034929]	ND	(1800)	[0.035146]	ND	(1800)	[0.035228]	ND	(1800)	[0.036033]
4,6-Dinitro-2-methylphenol	ND	(1700)	[0.034929]	ND	(1800)	[0.035146]	ND	(1800)	[0.035228]	ND	(1800)	[0.036033]
4-Aminobiphenyl	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
4-Bromophenyl phenyl ether	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
4-Chloro-3-methylphenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
4-Chlorophenyl phenyl ether	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
4-Methylphenol(p-cresol)	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
4-Nitroaniline	ND	(1700)	[0.034929]	ND	(1800)	[0.035146]	ND	(1800)	[0.035228]	ND	(1800)	[0.036033]
4-Nitrophenol	ND	(1700)	[0.034929]	ND	(1800)	[0.035146]	ND	(1800)	[0.035228]	ND	(1800)	[0.036033]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 3C CAN97-3C-11 63 - 65			NONE 3C CAN97-3C-12 68 - 70			NONE 3C CAN97-3C-13 71 - 73			NONE 4A CAN97-4A-06 8 - 10		
7,12-Dimethylbenz(a)anthracene	ND	(870)	[0.034929]	ND	(880)	[0.035146]	ND	(880)	[0.035228]	ND	(900)	[0.036033]
Acenaphthene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Acenaphthylene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Acetophenone	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Aniline	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Anthracene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Benzidine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Benzo(a)anthracene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Benzo(a)pyrene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Benzo(b)fluoranthene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Benzo(g,h,i)perylene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Benzo(k)fluoranthene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Benzoic acid	ND	(1700)	[0.034929]	ND	(1800)	[0.035146]	ND	(1800)	[0.035228]	ND	(1800)	[0.036033]
Benzyl alcohol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Butylbenzylphthalate	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Chrysene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Cyclohexanol	NA			420	(0)	[0.035146]	NA			NA		
Cyclohexene B	NA			NA			46000	(0)	[0.035228]	NA		
Cyclohexenol	NA			NA			280	(0)	[0.035228]	NA		
Cyclohexenone	NA			280	(0)	[0.035146]	180	(0)	[0.035228]	NA		
Di-n-octylphthalate	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Dibenz(a,h)anthracene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Dibenz(a,j)acridine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Dibenzofuran	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Dibutylphthalate	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Diethylphthalate	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Dimethylphenethylamine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Dimethylphthalate	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Diphenylamine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-11 63 - 65			NONE 3C CAN97-3C-12 68 - 70			NONE 3C CAN97-3C-13 71 - 73			NONE 4A CAN97-4A-06 8 - 10		
Ethyl methanesulfonate	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Fluoranthene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Fluorene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Hexachlorobenzene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Hexachlorobutadiene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Hexachlorocyclopentadiene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Hexachloroethane	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Isophorone	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Methyl methanesulfonate	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
N-Nitroso-di-n-butylamine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
N-Nitrosodimethylamine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
N-Nitrosodiphenylamine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
N-Nitrosodipropylamine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
N-Nitrosopiperidine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Naphthalene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Nitrobenzene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Pentachlorobenzene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Pentachloronitrobenzene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Pentachlorophenol	ND	(1700)	[0.034929]	ND	(1800)	[0.035146]	ND	(1800)	[0.035228]	ND	(1800)	[0.036033]
Phenacetin	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Phenanthrene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Phenol	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Pronamide	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Pyrene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Pyridine	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
Trichloropropene(s)	420	(0)	[0.034929]	390	(0)	[0.035146]	NA			NA		
Unknown	210	(0)	[0.034929]	1200	(0)	[0.035146]	1400	(0)	[0.035228]	180	(0)	[0.036033]
Unknown alkene	45000	(0)	[0.034929]	46000	(0)	[0.035146]	NA			NA		

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-11 63 - 65			NONE 3C CAN97-3C-12 68 - 70			NONE 3C CAN97-3C-13 71 - 73			NONE 4A CAN97-4A-06 8 - 10		
Unknown cyclic ether B	240	(0)	[0.034929]	2000	(0)	[0.035146]	NA			NA		
bis(2-Chloroethoxy)methane	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
bis(2-Chloroethyl)ether	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
bis(2-Ethylhexyl)phthalate	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
p-Chloroaniline	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]
p-Dimethylaminoazobenzene	ND	(350)	[0.034929]	ND	(350)	[0.035146]	ND	(350)	[0.035228]	ND	(360)	[0.036033]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 4A CAN97-4A-I 4 - 6			NONE 4A CAN97-4A-S 0 - 2			NONE 4A CAN97-4A-99 Dup of CAN97-4A-S 0 - 2			NONE 4B CAN97-4B-06 8 - 10		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	ND	(27)	[5.440696]	3.8 @	(26)	[5:296610]	ND	(27)	[5.319148]	38 @	(27)	[5.359056]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	ND	(31)	[102]	NA			NA			NA		
Diesel (2)	3700 J	(5400)	[108.6956]	NA			NA			NA		
Ethylbenzene (2)	ND	(31)	[102]	NA			NA			NA		
Gasoline (2)	ND	(5100)	[102]	NA			NA			NA		
Jet fuel (2)	ND	(11000)	[108.6956]	NA			NA			NA		
Kerosene (2)	ND	(11000)	[108.6956]	NA			NA			NA		
Toluene (2)	ND	(31)	[102]	NA			NA			NA		
Xylenes (total) (2)	ND	(51)	[102]	NA			NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	0.39 GB@	(0.36)	[36.21876]	0.43 GB@	(0.35)	[35.27336]	ND	(0.35)	[35.41076]	0.4 G@	(0.36)	[35.71428]
4,4'-DDE	0.097 J	(0.36)	[36.21876]	0.5 @	(0.35)	[35.27336]	1.2 @	(0.35)	[35.41076]	0.059 J	(0.36)	[35.71428]
4,4'-DDT	0.4 J	(0.72)	[36.21876]	1.6 @	(0.71)	[35.27336]	0.84 @	(0.71)	[35.41076]	0.46 J	(0.71)	[35.71428]
Aldrin	ND	(0.36)	[36.21876]	1.2 G@	(0.35)	[35.27336]	1.3 G@	(0.35)	[35.41076]	ND	(0.36)	[35.71428]
Chlordane	ND	(1.8)	[36.21876]	ND	(1.8)	[35.27336]	ND	(1.8)	[35.41076]	ND	(1.8)	[35.71428]
Dieldrin	ND	(0.36)	[36.21876]	0.15 J	(0.35)	[35.27336]	ND	(0.35)	[35.41076]	ND	(0.36)	[35.71428]
Endosulfan I	ND	(0.36)	[36.21876]	ND	(0.35)	[35.27336]	0.2 J	(0.35)	[35.41076]	ND	(0.36)	[35.71428]
Endosulfan II	ND	(1.1)	[36.21876]	ND	(1.1)	[35.27336]	ND	(1.1)	[35.41076]	ND	(1.1)	[35.71428]
Endosulfan Sulfate	ND	(1.8)	[36.21876]	ND	(1.8)	[35.27336]	ND	(1.8)	[35.41076]	ND	(1.8)	[35.71428]
Endrin	ND	(0.36)	[36.21876]	ND	(0.35)	[35.27336]	ND	(0.35)	[35.41076]	0.13 J	(0.36)	[35.71428]
Endrin Aldehyde	ND	(0.72)	[36.21876]	ND	(0.71)	[35.27336]	ND	(0.71)	[35.41076]	ND	(0.71)	[35.71428]
Endrin Ketone	ND	(1.8)	[36.21876]	0.0084 J	(1.8)	[35.27336]	ND	(1.8)	[35.41076]	ND	(1.8)	[35.71428]
Heptachlor	0.041 J	(0.36)	[36.21876]	ND	(0.35)	[35.27336]	ND	(0.35)	[35.41076]	0.057 J	(0.36)	[35.71428]
Heptachlor epoxide	ND	(0.36)	[36.21876]	0.7 GB@	(0.35)	[35.27336]	0.86 GB@	(0.35)	[35.41076]	ND	(0.36)	[35.71428]
Methoxychlor	ND	(1.8)	[36.21876]	ND	(1.8)	[35.27336]	ND	(1.8)	[35.41076]	ND	(1.8)	[35.71428]
PCB-1016	ND	(3.6)	[36.21876]	ND	(3.5)	[35.27336]	ND	(3.5)	[35.41076]	ND	(3.6)	[35.71428]
PCB-1221	ND	(7.2)	[36.21876]	ND	(7.1)	[35.27336]	ND	(7.1)	[35.41076]	ND	(7.1)	[35.71428]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 4A CAN97-4A-I 4 - 6			NONE 4A CAN97-4A-S 0 - 2			NONE 4A CAN97-4A-99 Dup of CAN97-4A-S 0 - 2			NONE 4B CAN97-4B-06 8 - 10		
PCB-1232	ND	(7.2)	[36.21876]	ND	(7.1)	[35.27336]	ND	(7.1)	[35.41076]	ND	(7.1)	[35.71428]
PCB-1242	ND	(3.6)	[36.21876]	ND	(3.5)	[35.27336]	ND	(3.5)	[35.41076]	ND	(3.6)	[35.71428]
PCB-1248	ND	(3.6)	[36.21876]	ND	(3.5)	[35.27336]	ND	(3.5)	[35.41076]	ND	(3.6)	[35.71428]
PCB-1254	ND	(7.2)	[36.21876]	ND	(7.1)	[35.27336]	ND	(7.1)	[35.41076]	ND	(7.1)	[35.71428]
PCB-1260	ND	(7.2)	[36.21876]	ND	(7.1)	[35.27336]	ND	(7.1)	[35.41076]	ND	(7.1)	[35.71428]
Toxaphene	ND	(18)	[36.21876]	ND	(18)	[35.27336]	ND	(18)	[35.41076]	ND	(18)	[35.71428]
alpha-BHC	ND	(0.36)	[36.21876]	ND	(0.35)	[35.27336]	ND	(0.35)	[35.41076]	ND	(0.36)	[35.71428]
beta-BHC	ND	(0.36)	[36.21876]	ND	(0.35)	[35.27336]	ND	(0.35)	[35.41076]	ND	(0.36)	[35.71428]
delta-BHC	ND	(0.36)	[36.21876]	0.54 @	(0.35)	[35.27336]	0.97 @	(0.35)	[35.41076]	ND	(0.36)	[35.71428]
gamma-BHC	ND	(0.36)	[36.21876]	3.5 G	(0.35)	[35.27336]	ND	(0.35)	[35.41076]	ND	(0.36)	[35.71428]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.2)	[36.19254]	NA			NA			NA		
2,4,5-TP (Silvex)	ND	(6.2)	[36.19254]	NA			NA			NA		
2,4-D	ND	(43)	[36.19254]	NA			NA			NA		
2,4-DB	ND	(33)	[36.19254]	NA			NA			NA		
Dalapon	ND	(210)	[36.19254]	NA			NA			NA		
Dicamba	ND	(9.8)	[36.19254]	NA			NA			NA		
Dichloroprop	ND	(24)	[36.19254]	NA			NA			NA		
Dinoseb	ND	(5.4)	[36.19254]	NA			NA			NA		
MCPA	ND	(9000)	[36.19254]	NA			NA			NA		
MCPP	ND	(6900)	[36.19254]	NA			NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
1,1,2,2-Tetrachloroethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
1,1,2-Trichloroethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
1,1-Dichloroethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
1,1-Dichloroethene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
1,2,3-Trichloropropane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
1,2-Dichloroethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 4A CAN97-4A-I 4 - 6			NONE 4A CAN97-4A-S 0 - 2			NONE 4A CAN97-4A-99 Dup of CAN97-4A-S 0 - 2			NONE 4B CAN97-4B-06 8 - 10		
1,2-Dichloropropane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
2-Chloroethyl vinyl ether	ND	(11)	[1.052520]	ND	(11)	[1.059322]	ND	(11)	[1.063716]	ND	(11)	[1.071926]
2-Hexanone	ND	(53)	[1.052520]	ND	(53)	[1.059322]	ND	(53)	[1.063716]	ND	(54)	[1.071926]
4-Methyl-2-pentanone(MIBK)	ND	(53)	[1.052520]	ND	(53)	[1.059322]	ND	(53)	[1.063716]	ND	(54)	[1.071926]
Acetone	780	(110)	[1.052520]	ND	(110)	[1.059322]	ND	(110)	[1.063716]	ND	(110)	[1.071926]
Acrolein	ND	(79)	[1.052520]	ND	(79)	[1.059322]	ND	(80)	[1.063716]	ND	(80)	[1.071926]
Acrylonitrile	ND	(53)	[1.052520]	ND	(53)	[1.059322]	ND	(53)	[1.063716]	ND	(54)	[1.071926]
Benzene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Bromodichloromethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Bromomethane	ND	(11)	[1.052520]	ND	(11)	[1.059322]	ND	(11)	[1.063716]	ND	(11)	[1.071926]
Carbon disulfide	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Carbon tetrachloride	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Chlorobenzene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Chloroethane	ND	(11)	[1.052520]	ND	(11)	[1.059322]	ND	(11)	[1.063716]	ND	(11)	[1.071926]
Chloroform	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Chloromethane	ND	(11)	[1.052520]	ND	(11)	[1.059322]	ND	(11)	[1.063716]	ND	(11)	[1.071926]
Decanal B	NA			NA			NA			5.4	()	[1.071926]
Dibromochloromethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Dibromomethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Dichlorodifluoromethane	ND	(21)	[1.052520]	ND	(21)	[1.059322]	ND	(21)	[1.063716]	ND	(21)	[1.071926]
Ethyl benzene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Ethyl methacrylate	ND	(16)	[1.052520]	ND	(16)	[1.059322]	ND	(16)	[1.063716]	ND	(16)	[1.071926]
Iodomethane	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Methyl ethyl ketone	ND	(110)	[1.052520]	ND	(110)	[1.059322]	ND	(110)	[1.063716]	ND	(110)	[1.071926]
Methylene chloride	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	3.8 J	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Styrene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Tetrachloroethene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Toluene	ND	(5.3)	[1.052520]	0.86 J	(5.3)	[1.059322]	1.3 J	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Tribromomethane(Bromoform)	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 4A CAN97-4A-I 4 - 6			NONE 4A CAN97-4A-S 0 - 2			NONE 4A CAN97-4A-99 Dup of CAN97-4A-S 0 - 2			NONE 4B CAN97-4B-06 8 - 10		
Trichloroethene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Trichlorofluoromethane	ND	(11)	[1.052520]	ND	(11)	[1.059322]	ND	(11)	[1.063716]	ND	(11)	[1.071926]
Unknown	44	()	[1.052520]	NA			NA			9.6	()	[1.071926]
Vinyl acetate	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
Vinyl chloride	ND	(11)	[1.052520]	ND	(11)	[1.059322]	ND	(11)	[1.063716]	ND	(11)	[1.071926]
Xylenes	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
cis-1,3-Dichloropropene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
trans-1,2-Dichloroethene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
trans-1,3-Dichloropropene	ND	(5.3)	[1.052520]	ND	(5.3)	[1.059322]	ND	(5.3)	[1.063716]	ND	(5.4)	[1.071926]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.052520]	ND	(11)	[1.059322]	ND	(11)	[1.063716]	ND	(11)	[1.071926]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
1,2,4-Trichlorobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
1,2-Dichlorobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
1,2-Diphenylhydrazine	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
1,3-Dichlorobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
1,4-Dichlorobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
1-Chloronaphthalene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
1-Naphthylamine	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2,3,4,6-Tetrachlorophenol	ND	(730)	[0.036267]	ND	(710)	[0.035251]	ND	(710)	[0.035421]	ND	(710)	[0.035683]
2,4,5-Trichlorophenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2,4,6-Trichlorophenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2,4-Dichlorophenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2,4-Dimethylphenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2,4-Dinitrophenol	ND	(1800)	[0.036267]	ND	(1800)	[0.035251]	ND	(1800)	[0.035421]	ND	(1800)	[0.035683]
2,4-Dinitrotoluene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2,6-Dichlorophenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2,6-Dinitrotoluene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2-Chloronaphthalene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 4A CAN97-4A-I 4 - 6			NONE 4A CAN97-4A-S 0 - 2			NONE 4A CAN97-4A-99 Dup of CAN97-4A-S 0 - 2			NONE 4B CAN97-4B-06 8 - 10		
2-Chlorophenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2-Methylnaphthalene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2-Methylphenol(o-cresol)	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2-Naphthylamine	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2-Nitroaniline	ND	(1800)	[0.036267]	ND	(1800)	[0.035251]	ND	(1800)	[0.035421]	ND	(1800)	[0.035683]
2-Nitrophenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
2-Picoline	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
3,3'-Dichlorobenzidine	ND	(730)	[0.036267]	ND	(710)	[0.035251]	ND	(710)	[0.035421]	ND	(710)	[0.035683]
3-Methylcholanthrene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
3-Nitroaniline	ND	(1800)	[0.036267]	ND	(1800)	[0.035251]	ND	(1800)	[0.035421]	ND	(1800)	[0.035683]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.036267]	ND	(1800)	[0.035251]	ND	(1800)	[0.035421]	ND	(1800)	[0.035683]
4-Aminobiphenyl	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
4-Bromophenyl phenyl ether	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
4-Chloro-3-methylphenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
4-Chlorophenyl phenyl ether	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
4-Methylphenol(p-cresol)	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
4-Nitroaniline	ND	(1800)	[0.036267]	ND	(1800)	[0.035251]	ND	(1800)	[0.035421]	ND	(1800)	[0.035683]
4-Nitrophenol	ND	(1800)	[0.036267]	ND	(1800)	[0.035251]	ND	(1800)	[0.035421]	ND	(1800)	[0.035683]
7,12-Dimethylbenz(a)anthracene	ND	(910)	[0.036267]	ND	(880)	[0.035251]	ND	(890)	[0.035421]	ND	(890)	[0.035683]
Acenaphthene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Acenaphthylene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Acetophenone	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Aniline	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Anthracene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Benzidine	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Benzo(a)anthracene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Benzo(a)pyrene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Benzo(b)fluoranthene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Benzo(g,h,i)perylene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)								
	NONE	4A	CAN97-4A-I	4 - 6	NONE	4A	CAN97-4A-S	0 - 2	NONE	4A	CAN97-4A-99 Dup of CAN97-4A-S	0 - 2	NONE	4B	CAN97-4B-06	8 - 10
Benzo(k)fluoranthene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Benzoic acid	ND	(1800)	[0.036267]		ND	(1800)	[0.035251]		ND	(1800)	[0.035421]		ND	(1800)	[0.035683]	
Benzyl alcohol	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Butylbenzylphthalate	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Chrysene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Cyclohexenone	NA				180	(0)	[0.035251]		NA				NA			
Di-n-octylphthalate	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Dibenz(a,h)anthracene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Dibenz(a,j)acridine	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Dibenzofuran	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Dibutylphthalate	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Diethylphthalate	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Dimethylphenethylamine	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Dimethylphthalate	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Diphenylamine	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Ethyl methanesulfonate	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Fluoranthene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Fluorene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Hexachlorobenzene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Hexachlorobutadiene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Hexachlorocyclopentadiene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Hexachloroethane	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Isophorone	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
Methyl methanesulfonate	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
N-Nitroso-di-n-butylamine	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
N-Nitrosodimethylamine	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
N-Nitrosodiphenylamine	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	
N-Nitrosodipropylamine	ND	(360)	[0.036267]		ND	(350)	[0.035251]		ND	(350)	[0.035421]		ND	(360)	[0.035683]	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 4A CAN97-4A-I 4 - 6			NONE 4A CAN97-4A-S 0 - 2			NONE 4A CAN97-4A-99 Dup of CAN97-4A-S 0 - 2			NONE 4B CAN97-4B-06 8 - 10		
N-Nitrosopiperidine	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Naphthalene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Nitrobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Pentachlorobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Pentachloronitrobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Pentachlorophenol	ND	(1800)	[0.036267]	ND	(1800)	[0.035251]	ND	(1800)	[0.035421]	ND	(1800)	[0.035683]
Phenacetin	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Phenanthrene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Phenol	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Pronamide	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Pyrene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Pyridine	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
Trichloropropene(s)	NA			NA			NA			280	(0)	[0.035683]
Unknown	360	(0)	[0.036267]	210	(0)	[0.035251]	280	(0)	[0.035421]	210	(0)	[0.035683]
Unknown cyclic ether	NA			NA			NA			680	(0)	[0.035683]
bis(2-Chloroethoxy)methane	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
bis(2-Chloroethyl)ether	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
bis(2-Ethylhexyl)phthalate	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
p-Chloroaniline	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]
p-Dimethylaminoazobenzene	ND	(360)	[0.036267]	ND	(350)	[0.035251]	ND	(350)	[0.035421]	ND	(360)	[0.035683]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 4B CAN97-4B-I 4 - 6				NONE 4B CAN97-4B-S 0 - 2				NONE 8A CAN97-8A-06 8 - 10				NONE 8A CAN97-8A-I 4 - 6			
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)															
Hydrocarbons	29 @	(27)	[5.366033]		85 @	(26)	[5.244234]		30 @	(28)	[5.544466]		39 @	(27)	[5.412098]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)															
Benzene (2)	ND	(32)	[107]		NA				NA				4.8 J	(33)	[109]
Diesel (2)	7200 GB@	(5400)	[107.5268]		NA				NA				4300 J	(5500)	[109.5290]
Ethylbenzene (2)	ND	(32)	[107]		NA				NA				12 J	(33)	[109]
Gasoline (2)	ND	(5400)	[107]		NA				NA				ND	(5400)	[109]
Jet fuel (2)	ND	(11000)	[107.5268]		NA				NA				ND	(11000)	[109.5290]
Kerosene (2)	ND	(11000)	[107.5268]		NA				NA				ND	(11000)	[109.5290]
Toluene (2)	8.3 J	(32)	[107]		NA				NA				17 J	(33)	[109]
Xylenes (total) (2)	6.5 J	(54)	[107]		NA				NA				33 J	(54)	[109]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)															
4,4'-DDD	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		0.028 J	(0.37)	[36.50967]
4,4'-DDE	ND	(0.36)	[35.84229]		6.1 @	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		17	(0.37)	[36.50967]
4,4'-DDT	0.41 J	(0.72)	[35.84229]		3.8 J	(7)	[349.7726]		0.62 J	(0.74)	[37.16090]		8.4	(0.73)	[36.50967]
Aldrin	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
Chlordane	ND	(1.8)	[35.84229]		ND	(17)	[349.7726]		ND	(1.9)	[37.16090]		ND	(1.8)	[36.50967]
Dieldrin	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
Endosulfan I	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
Endosulfan II	ND	(1.1)	[35.84229]		ND	(10)	[349.7726]		ND	(1.1)	[37.16090]		ND	(1.1)	[36.50967]
Endosulfan Sulfate	ND	(1.8)	[35.84229]		ND	(17)	[349.7726]		ND	(1.9)	[37.16090]		ND	(1.8)	[36.50967]
Endrin	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
Endrin Aldehyde	0.07 J	(0.72)	[35.84229]		ND	(7)	[349.7726]		ND	(0.74)	[37.16090]		ND	(0.73)	[36.50967]
Endrin Ketone	ND	(1.8)	[35.84229]		ND	(17)	[349.7726]		ND	(1.9)	[37.16090]		ND	(1.8)	[36.50967]
Heptachlor	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		0.16 J	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
Heptachlor epoxide	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		9.6 G	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
Methoxychlor	ND	(1.8)	[35.84229]		ND	(17)	[349.7726]		ND	(1.9)	[37.16090]		ND	(1.8)	[36.50967]
PCB-1016	ND	(3.6)	[35.84229]		ND	(35)	[349.7726]		ND	(3.7)	[37.16090]		ND	(3.7)	[36.50967]
PCB-1221	ND	(7.2)	[35.84229]		ND	(70)	[349.7726]		ND	(7.4)	[37.16090]		ND	(7.3)	[36.50967]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 4B CAN97-4B-I 4 - 6				NONE 4B CAN97-4B-S 0 - 2				NONE 8A CAN97-8A-06 8 - 10				NONE 8A CAN97-8A-I 4 - 6		
PCB-1232	ND	(7.2)	[35.84229]		ND	(70)	[349.7726]		ND	(7.4)	[37.16090]		ND	(7.3)	[36.50967]
PCB-1242	ND	(3.6)	[35.84229]		ND	(35)	[349.7726]		ND	(3.7)	[37.16090]		ND	(3.7)	[36.50967]
PCB-1248	ND	(3.6)	[35.84229]		ND	(35)	[349.7726]		ND	(3.7)	[37.16090]		ND	(3.7)	[36.50967]
PCB-1254	ND	(7.2)	[35.84229]		ND	(70)	[349.7726]		ND	(7.4)	[37.16090]		ND	(7.3)	[36.50967]
PCB-1260	ND	(7.2)	[35.84229]		ND	(70)	[349.7726]		ND	(7.4)	[37.16090]		ND	(7.3)	[36.50967]
Toxaphene	ND	(18)	[35.84229]		ND	(170)	[349.7726]		ND	(19)	[37.16090]		ND	(18)	[36.50967]
alpha-BHC	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
beta-BHC	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
delta-BHC	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		1 @	(0.37)	[37.16090]		ND	(0.37)	[36.50967]
gamma-BHC	ND	(0.36)	[35.84229]		ND	(3.5)	[349.7726]		ND	(0.37)	[37.16090]		0.36 J	(0.37)	[36.50967]
SW8150 - Chlorinated Herbicides (ug/kg)															
2,4,5-T	ND	(7.2)	[35.84229]		NA				NA				ND	(7.2)	[35.79098]
2,4,5-TP (Silvex)	ND	(6.1)	[35.84229]		NA				NA				ND	(6.1)	[35.79098]
2,4-D	ND	(43)	[35.84229]		NA				NA				ND	(43)	[35.79098]
2,4-DB	ND	(33)	[35.84229]		NA				NA				ND	(33)	[35.79098]
Dalapon	ND	(210)	[35.84229]		NA				NA				ND	(210)	[35.79098]
Dicamba	ND	(9.7)	[35.84229]		NA				NA				ND	(9.7)	[35.79098]
Dichloroprop	2.8 J	(23)	[35.84229]		NA				NA				ND	(23)	[35.79098]
Dinoseb	ND	(5.4)	[35.84229]		NA				NA				ND	(5.4)	[35.79098]
MCPA	ND	(8900)	[35.84229]		NA				NA				ND	(8900)	[35.79098]
MCPP	ND	(6900)	[35.84229]		NA				NA				ND	(6900)	[35.79098]
SW8240 - Volatile Organics (ug/kg)															
1,1,1-Trichloroethane	ND	(5.4)	[1.076889]		ND	(5.2)	[1.049868]		ND	(5.6)	[1.114827]		ND	(5.4)	[1.077586]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.076889]		ND	(5.2)	[1.049868]		ND	(5.6)	[1.114827]		ND	(5.4)	[1.077586]
1,1,2-Trichloroethane	ND	(5.4)	[1.076889]		ND	(5.2)	[1.049868]		ND	(5.6)	[1.114827]		ND	(5.4)	[1.077586]
1,1-Dichloroethane	ND	(5.4)	[1.076889]		ND	(5.2)	[1.049868]		ND	(5.6)	[1.114827]		ND	(5.4)	[1.077586]
1,1-Dichloroethene	ND	(5.4)	[1.076889]		ND	(5.2)	[1.049868]		ND	(5.6)	[1.114827]		ND	(5.4)	[1.077586]
1,2,3-Trichloropropane	ND	(5.4)	[1.076889]		ND	(5.2)	[1.049868]		ND	(5.6)	[1.114827]		ND	(5.4)	[1.077586]
1,2-Dichloroethane	ND	(5.4)	[1.076889]		ND	(5.2)	[1.049868]		ND	(5.6)	[1.114827]		ND	(5.4)	[1.077586]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 4B CAN97-4B-I 4 - 6			NONE 4B CAN97-4B-S 0 - 2			NONE 8A CAN97-8A-06 8 - 10			NONE 8A CAN97-8A-I 4 - 6		
1,2-Dichloropropane	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
2-Chloroethyl vinyl ether	ND	(11)	[1.076889]	ND	(10)	[1.049868]	ND	(11)	[1.114827]	ND	(11)	[1.077586]
2-Hexanone	ND	(54)	[1.076889]	ND	(52)	[1.049868]	ND	(56)	[1.114827]	ND	(54)	[1.077586]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.076889]	ND	(52)	[1.049868]	ND	(56)	[1.114827]	ND	(54)	[1.077586]
Acetone	ND	(110)	[1.076889]	ND	(100)	[1.049868]	ND	(110)	[1.114827]	150 @	(110)	[1.077586]
Acrolein	ND	(81)	[1.076889]	ND	(79)	[1.049868]	ND	(84)	[1.114827]	ND	(81)	[1.077586]
Acrylonitrile	ND	(54)	[1.076889]	ND	(52)	[1.049868]	ND	(56)	[1.114827]	ND	(54)	[1.077586]
Benzene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Bromodichloromethane	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Bromomethane	ND	(11)	[1.076889]	ND	(10)	[1.049868]	ND	(11)	[1.114827]	ND	(11)	[1.077586]
Carbon disulfide	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Carbon tetrachloride	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Chlorobenzene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Chloroethane	ND	(11)	[1.076889]	ND	(10)	[1.049868]	ND	(11)	[1.114827]	ND	(11)	[1.077586]
Chloroform	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Chloromethane	ND	(11)	[1.076889]	ND	(10)	[1.049868]	ND	(11)	[1.114827]	ND	(11)	[1.077586]
Dibromochloromethane	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Dibromomethane	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Dichlorodifluoromethane	ND	(22)	[1.076889]	ND	(21)	[1.049868]	ND	(22)	[1.114827]	ND	(22)	[1.077586]
Ethyl benzene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Ethyl methacrylate	ND	(16)	[1.076889]	ND	(16)	[1.049868]	ND	(17)	[1.114827]	ND	(16)	[1.077586]
Iodomethane	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Methyl ethyl ketone	ND	(110)	[1.076889]	ND	(100)	[1.049868]	ND	(110)	[1.114827]	ND	(110)	[1.077586]
Methylene chloride	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Styrene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Tetrachloroethene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Toluene	0.18 J	(5.4)	[1.076889]	3.5 J	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Tribromomethane(Bromoform)	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Trichloroethene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 4B CAN97-4B-I 4 - 6			NONE 4B CAN97-4B-S 0 - 2			NONE 8A CAN97-8A-06 8 - 10			NONE 8A CAN97-8A-I 4 - 6		
Trichlorofluoromethane	ND	(11)	[1.076889]	ND	(10)	[1.049868]	ND	(11)	[1.114827]	ND	(11)	[1.077586]
Unknown	34	()	[1.076889]	NA			48	()	[1.114827]	32	()	[1.077586]
Vinyl acetate	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
Vinyl chloride	ND	(11)	[1.076889]	ND	(10)	[1.049868]	ND	(11)	[1.114827]	ND	(11)	[1.077586]
Xylenes	ND	(5.4)	[1.076889]	1.2 J	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
cis-1,3-Dichloropropene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
trans-1,2-Dichloroethene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
trans-1,3-Dichloropropene	ND	(5.4)	[1.076889]	ND	(5.2)	[1.049868]	ND	(5.6)	[1.114827]	ND	(5.4)	[1.077586]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.076889]	ND	(10)	[1.049868]	ND	(11)	[1.114827]	ND	(11)	[1.077586]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
1,2,4-Trichlorobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
1,2-Dichlorobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
1,2-Diphenylhydrazine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
1,3-Dichlorobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
1,4-Dichlorobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
1-Chloronaphthalene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
1-Naphthylamine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.035836]	ND	(700)	[0.034972]	ND	(740)	[0.037099]	ND	(730)	[0.036464]
2,4,5-Trichlorophenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2,4,6-Trichlorophenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2,4-Dichlorophenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2,4-Dimethylphenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2,4-Dinitrophenol	ND	(1800)	[0.035836]	ND	(1700)	[0.034972]	ND	(1900)	[0.037099]	ND	(1800)	[0.036464]
2,4-Dinitrotoluene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2,6-Dichlorophenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2,6-Dinitrotoluene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2-Chloronaphthalene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2-Chlorophenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 4B CAN97-4B-I 4 - 6			NONE 4B CAN97-4B-S 0 - 2			NONE 8A CAN97-8A-06 8 - 10			NONE 8A CAN97-8A-I 4 - 6		
2-Methylnaphthalene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2-Methylphenol(o-cresol)	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2-Naphthylamine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2-Nitroaniline	ND	(1800)	[0.035836]	ND	(1700)	[0.034972]	ND	(1900)	[0.037099]	ND	(1800)	[0.036464]
2-Nitrophenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
2-Picoline	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
3,3'-Dichlorobenzidine	ND	(720)	[0.035836]	ND	(700)	[0.034972]	ND	(740)	[0.037099]	ND	(730)	[0.036464]
3-Methylcholanthrene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
3-Nitroaniline	ND	(1800)	[0.035836]	ND	(1700)	[0.034972]	ND	(1900)	[0.037099]	ND	(1800)	[0.036464]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035836]	ND	(1700)	[0.034972]	ND	(1900)	[0.037099]	ND	(1800)	[0.036464]
4-Aminobiphenyl	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
4-Bromophenyl phenyl ether	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
4-Chloro-3-methylphenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
4-Chlorophenyl phenyl ether	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
4-Methylphenol(p-cresol)	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
4-Nitroaniline	ND	(1800)	[0.035836]	ND	(1700)	[0.034972]	ND	(1900)	[0.037099]	ND	(1800)	[0.036464]
4-Nitrophenol	ND	(1800)	[0.035836]	ND	(1700)	[0.034972]	ND	(1900)	[0.037099]	ND	(1800)	[0.036464]
7,12-Dimethylbenz(a)anthracene	ND	(900)	[0.035836]	ND	(870)	[0.034972]	ND	(930)	[0.037099]	ND	(910)	[0.036464]
Acenaphthene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Acenaphthylene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Acetophenone	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Aniline	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Anthracene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Benzidine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Benzo(a)anthracene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Benzo(a)pyrene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Benzo(b)fluoranthene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Benzo(g,h,i)perylene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Benzo(k)fluoranthene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 4B CAN97-4B-I 4 - 6			NONE 4B CAN97-4B-S 0 - 2			NONE 8A CAN97-8A-06 8 - 10			NONE 8A CAN97-8A-I 4 - 6		
Benzoic acid	ND	(1800)	[0.035836]	ND	(1700)	[0.034972]	ND	(1900)	[0.037099]	ND	(1800)	[0.036464]
Benzyl alcohol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Butylbenzylphthalate	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Chlorocyclohexanol	NA			NA			180	(0)	[0.037099]	NA		
Chrysene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Cyclohexenol	NA			280	(0)	[0.034972]	NA			NA		
Cyclohexenone	NA			NA			180	(0)	[0.037099]	NA		
Di-n-octylphthalate	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Dibenz(a,h)anthracene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Dibenz(a,j)acridine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Dibenzofuran	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Dibutylphthalate	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Diethylphthalate	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Dimethylphenethylamine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Dimethylphthalate	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Diphenylamine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Ethyl methanesulfonate	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Fluoranthene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Fluorene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Hexachlorobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Hexachlorobutadiene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Hexachlorocyclopentadiene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Hexachloroethane	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Isophorone	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Methyl methanesulfonate	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
N-Nitroso-di-n-butylamine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
N-Nitrosodimethylamine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
N-Nitrosodiphenylamine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 4B CAN97-4B-I 4 - 6			NONE 4B CAN97-4B-S 0 - 2			NONE 8A CAN97-8A-06 8 - 10			NONE 8A CAN97-8A-I 4 - 6		
N-Nitrosodipropylamine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
N-Nitrosopiperidine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Naphthalene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Nitrobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Pentachlorobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Pentachloronitrobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Pentachlorophenol	ND	(1800)	[0.035836]	ND	(1700)	[0.034972]	ND	(1900)	[0.037099]	ND	(1800)	[0.036464]
Phenacetin	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Phenanthrene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Phenol	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Pronamide	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Pyrene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Pyridine	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
Trichloropropene(s)	NA			NA			260	(0)	[0.037099]	NA		
Unknown	220	(0)	[0.035836]	170	(0)	[0.034972]	410	(0)	[0.037099]	360	(0)	[0.036464]
Unknown aldehyde	NA			170	(0)	[0.034972]	NA			NA		
Unknown alkane	NA			170	(0)	[0.034972]	NA			NA		
Unknown cyclic ether	570	(0)	[0.035836]	280	(0)	[0.034972]	1400	(0)	[0.037099]	NA		
Unknown trichloropropene	NA			NA			NA			140	(0)	[0.036464]
bis(2-Chloroethoxy)methane	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
bis(2-Chloroethyl)ether	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
bis(2-Ethylhexyl)phthalate	120 J	(360)	[0.035836]	ND	(350)	[0.034972]	48 J	(370)	[0.037099]	ND	(360)	[0.036464]
p-Chloroaniline	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]
p-Dimethylaminoazobenzene	ND	(360)	[0.035836]	ND	(350)	[0.034972]	ND	(370)	[0.037099]	ND	(360)	[0.036464]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 8A CAN97-8A-S 0 - 2			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 9 - 11			NONE 8B CAN97-8B-03 14 - 16			
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)													
Hydrocarbons	87 @	(27)	[5.368709]	9.6 @	(27)	[5.433545]	9.6 @	(27)	[5.441181]	33 @	(27)	[5.498360]	
SW8015 - Total Petroleum Hydrocarbons (ug/kg)													
Benzene (2)	NA			NA			NA			ND	(32)	[106]	
Diesel (2)	NA			NA			NA			18000 GB@	(5300)	[105.2631]	
Ethylbenzene (2)	NA			NA			NA			ND	(32)	[106]	
Gasoline (2)	NA			NA			NA			ND	(5300)	[106]	
Jet fuel (2)	NA			NA			NA			ND	(11000)	[105.2631]	
Kerosene (2)	NA			NA			NA			ND	(11000)	[105.2631]	
Toluene (2)	NA			NA			NA			8.4 J	(32)	[106]	
Xylenes (total) (2)	NA			NA			NA			8.1 J	(53)	[106]	
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)													
4,4'-DDD	ND	(3.6)	[358.5514]	1.1 G@	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	0.55 G@	(0.37)	[36.64345]	
4,4'-DDE	35	(3.6)	[358.5514]	16	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	ND	(0.37)	[36.64345]	
4,4'-DDT	19 @	(7.2)	[358.5514]	41	(0.73)	[36.35041]	ND	(0.73)	[36.31082]	0.97 @	(0.73)	[36.64345]	
Aldrin	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	ND	(0.37)	[36.64345]	
Chlordane	ND	(18)	[358.5514]	9.4	(1.8)	[36.35041]	ND	(1.8)	[36.31082]	ND	(1.8)	[36.64345]	
Dieldrin	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	0.15 J	(0.37)	[36.64345]	
Endosulfan I	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	ND	(0.37)	[36.64345]	
Endosulfan II	ND	(11)	[358.5514]	ND	(1.1)	[36.35041]	ND	(1.1)	[36.31082]	ND	(1.1)	[36.64345]	
Endosulfan Sulfate	ND	(18)	[358.5514]	ND	(1.8)	[36.35041]	ND	(1.8)	[36.31082]	ND	(1.8)	[36.64345]	
Endrin	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	0.28 J	(0.37)	[36.64345]	
Endrin Aldehyde	ND	(7.2)	[358.5514]	ND	(0.73)	[36.35041]	ND	(0.73)	[36.31082]	ND	(0.73)	[36.64345]	
Endrin Ketone	ND	(18)	[358.5514]	ND	(1.8)	[36.35041]	ND	(1.8)	[36.31082]	ND	(1.8)	[36.64345]	
Heptachlor	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	0.16 J	(0.37)	[36.64345]	
Heptachlor epoxide	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	ND	(0.37)	[36.64345]	
Methoxychlor	ND	(18)	[358.5514]	ND	(1.8)	[36.35041]	ND	(1.8)	[36.31082]	ND	(1.8)	[36.64345]	
PCB-1016	ND	(36)	[358.5514]	ND	(3.6)	[36.35041]	ND	(3.6)	[36.31082]	ND	(3.7)	[36.64345]	
PCB-1221	ND	(72)	[358.5514]	ND	(7.3)	[36.35041]	ND	(7.3)	[36.31082]	ND	(7.3)	[36.64345]	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8A CAN97-8A-S 0 - 2			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 9 - 11			NONE 8B CAN97-8B-03 14 - 16		
PCB-1232	ND	(72)	[358.5514]	ND	(7.3)	[36.35041]	ND	(7.3)	[36.31082]	ND	(7.3)	[36.64345]
PCB-1242	ND	(36)	[358.5514]	ND	(3.6)	[36.35041]	ND	(3.6)	[36.31082]	ND	(3.7)	[36.64345]
PCB-1248	ND	(36)	[358.5514]	ND	(3.6)	[36.35041]	ND	(3.6)	[36.31082]	ND	(3.7)	[36.64345]
PCB-1254	ND	(72)	[358.5514]	ND	(7.3)	[36.35041]	ND	(7.3)	[36.31082]	ND	(7.3)	[36.64345]
PCB-1260	ND	(72)	[358.5514]	ND	(7.3)	[36.35041]	ND	(7.3)	[36.31082]	ND	(7.3)	[36.64345]
Toxaphene	ND	(180)	[358.5514]	ND	(18)	[36.35041]	ND	(18)	[36.31082]	ND	(18)	[36.64345]
alpha-BHC	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	ND	(0.37)	[36.64345]
beta-BHC	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	ND	(0.37)	[36.64345]
delta-BHC	ND	(3.6)	[358.5514]	0.42 @	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	ND	(0.37)	[36.64345]
gamma-BHC	ND	(3.6)	[358.5514]	ND	(0.36)	[36.35041]	ND	(0.36)	[36.31082]	ND	(0.37)	[36.64345]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			NA			ND	(7.3)	[36.72420]
2,4,5-TP (Silvex)	NA			NA			NA			ND	(6.2)	[36.72420]
2,4-D	NA			NA			NA			ND	(44)	[36.72420]
2,4-DB	NA			NA			NA			ND	(33)	[36.72420]
Dalapon	NA			NA			NA			ND	(210)	[36.72420]
Dicamba	NA			NA			NA			ND	(9.9)	[36.72420]
Dichloroprop	NA			NA			NA			3.2 J	(24)	[36.72420]
Dinoseb	NA			NA			NA			ND	(5.5)	[36.72420]
MCPA	NA			NA			NA			ND	(9100)	[36.72420]
MCPP	NA			NA			NA			ND	(7100)	[36.72420]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
1,1,2-Trichloroethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
1,1-Dichloroethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
1,1-Dichloroethene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
1,2,3-Trichloropropane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
1,2-Dichloroethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8A CAN97-8A-S 0 - 2			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 9 - 11			NONE 8B CAN97-8B-03 14 - 16		
1,2-Dichloropropane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
2-Chloroethyl vinyl ether	ND	(11)	[1.076310]	ND	(11)	[1.090155]	ND	(11)	[1.065643]	ND	(11)	[1.101685]
2-Hexanone	ND	(54)	[1.076310]	ND	(55)	[1.090155]	ND	(53)	[1.065643]	ND	(55)	[1.101685]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.076310]	ND	(55)	[1.090155]	ND	(53)	[1.065643]	ND	(55)	[1.101685]
Acetone	ND	(110)	[1.076310]	ND	(110)	[1.090155]	83 J	(110)	[1.065643]	9.7 J	(110)	[1.101685]
Acrolein	ND	(81)	[1.076310]	ND	(82)	[1.090155]	ND	(80)	[1.065643]	ND	(83)	[1.101685]
Acrylonitrile	ND	(54)	[1.076310]	ND	(55)	[1.090155]	ND	(53)	[1.065643]	ND	(55)	[1.101685]
Benzene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Bromodichloromethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Bromomethane	ND	(11)	[1.076310]	ND	(11)	[1.090155]	ND	(11)	[1.065643]	ND	(11)	[1.101685]
Carbon disulfide	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Carbon tetrachloride	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Chlorobenzene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Chloroethane	ND	(11)	[1.076310]	ND	(11)	[1.090155]	ND	(11)	[1.065643]	ND	(11)	[1.101685]
Chloroform	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Chloromethane	ND	(11)	[1.076310]	ND	(11)	[1.090155]	ND	(11)	[1.065643]	ND	(11)	[1.101685]
Dibromochloromethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Dibromomethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Dichlorodifluoromethane	ND	(22)	[1.076310]	ND	(22)	[1.090155]	ND	(21)	[1.065643]	ND	(22)	[1.101685]
Ethyl acetate	NA			NA			NA			5.5	()	[1.101685]
Ethyl benzene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Ethyl methacrylate	ND	(16)	[1.076310]	ND	(16)	[1.090155]	ND	(16)	[1.065643]	ND	(17)	[1.101685]
Iodomethane	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Methyl ethyl ketone	ND	(110)	[1.076310]	ND	(110)	[1.090155]	ND	(110)	[1.065643]	ND	(110)	[1.101685]
Methylene chloride	ND	(5.4)	[1.076310]	3.2 J	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Styrene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Tetrachloroethene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Toluene	5.2 J	(5.4)	[1.076310]	5.2 J	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Tribromomethane(Bromoform)	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8A CAN97-8A-S 0 - 2			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 9 - 11			NONE 8B CAN97-8B-03 14 - 16		
Trichloroethene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Trichlorofluoromethane	ND	(11)	[1.076310]	ND	(11)	[1.090155]	ND	(11)	[1.065643]	ND	(11)	[1.101685]
Unknown	NA			NA			NA			44	()	[1.101685]
Vinyl acetate	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
Vinyl chloride	ND	(11)	[1.076310]	ND	(11)	[1.090155]	ND	(11)	[1.065643]	ND	(11)	[1.101685]
Xylenes	1.7 J	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
cis-1,3-Dichloropropene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
trans-1,2-Dichloroethene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
trans-1,3-Dichloropropene	ND	(5.4)	[1.076310]	ND	(5.5)	[1.090155]	ND	(5.3)	[1.065643]	ND	(5.5)	[1.101685]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.076310]	ND	(11)	[1.090155]	ND	(11)	[1.065643]	ND	(11)	[1.101685]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
1,2,4-Trichlorobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
1,2-Dichlorobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
1,2-Diphenylhydrazine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
1,3-Dichlorobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
1,4-Dichlorobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
1-Chloronaphthalene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
1-Naphthylamine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.035865]	ND	(730)	[0.036338]	ND	(730)	[0.036291]	ND	(730)	[0.036694]
2,4,5-Trichlorophenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2,4,6-Trichlorophenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2,4-Dichlorophenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2,4-Dimethylphenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2,4-Dinitrophenol	ND	(1800)	[0.035865]	ND	(1800)	[0.036338]	ND	(1800)	[0.036291]	ND	(1800)	[0.036694]
2,4-Dinitrotoluene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2,6-Dichlorophenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2,6-Dinitrotoluene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2-Chloronaphthalene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 8A CAN97-8A-S 0 - 2			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 9 - 11			NONE 8B CAN97-8B-03 14 - 16		
2-Chlorophenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2-Methylnaphthalene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2-Methylphenol(o-cresol)	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2-Naphthylamine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2-Nitroaniline	ND	(1800)	[0.035865]	ND	(1800)	[0.036338]	ND	(1800)	[0.036291]	ND	(1800)	[0.036694]
2-Nitrophenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
2-Picoline	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
3,3'-Dichlorobenzidine	ND	(720)	[0.035865]	ND	(730)	[0.036338]	ND	(730)	[0.036291]	ND	(730)	[0.036694]
3-Methylcholanthrene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
3-Nitroaniline	ND	(1800)	[0.035865]	ND	(1800)	[0.036338]	ND	(1800)	[0.036291]	ND	(1800)	[0.036694]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035865]	ND	(1800)	[0.036338]	ND	(1800)	[0.036291]	ND	(1800)	[0.036694]
4-Aminobiphenyl	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
4-Bromophenyl phenyl ether	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
4-Chloro-3-methylphenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
4-Chlorophenyl phenyl ether	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
4-Methylphenol(p-cresol)	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
4-Nitroaniline	ND	(1800)	[0.035865]	ND	(1800)	[0.036338]	ND	(1800)	[0.036291]	ND	(1800)	[0.036694]
4-Nitrophenol	ND	(1800)	[0.035865]	ND	(1800)	[0.036338]	ND	(1800)	[0.036291]	ND	(1800)	[0.036694]
7,12-Dimethylbenz(a)anthracene	ND	(900)	[0.035865]	ND	(910)	[0.036338]	ND	(910)	[0.036291]	ND	(920)	[0.036694]
Acenaphthene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Acenaphthylene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Acetophenone	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Aniline	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Anthracene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Benzidine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Benzo(a)anthracene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Benzo(a)pyrene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Benzo(b)fluoranthene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Benzo(g,h,i)perylene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8A CAN97-8A-S 0 - 2			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 9 - 11			NONE 8B CAN97-8B-03 14 - 16		
Benzo(k)fluoranthene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Benzoic acid	ND	(1800)	[0.035865]	ND	(1800)	[0.036338]	ND	(1800)	[0.036291]	ND	(1800)	[0.036694]
Benzyl alcohol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Butylbenzylphthalate	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Chrysene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Cyclohexenone	140	(0)	[0.035865]	NA			NA			NA		
Di-n-octylphthalate	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Dibenz(a,h)anthracene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Dibenz(a,j)acridine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Dibenzofuran	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Dibutylphthalate	31 J	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Diethylphthalate	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Dimethylphenethylamine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Dimethylphthalate	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Diphenylamine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Ethyl methanesulfonate	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Fluoranthene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Fluorene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Hexachlorobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Hexachlorobutadiene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Hexachlorocyclopentadiene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Hexachloroethane	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Isophorone	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Methyl methanesulfonate	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
N-Nitroso-di-n-butylamine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
N-Nitrosodimethylamine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
N-Nitrosodiphenylamine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
N-Nitrosodipropylamine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8A CAN97-8A-S 0 - 2			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 9 - 11			NONE 8B CAN97-8B-03 14 - 16		
N-Nitrosopiperidine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Naphthalene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Nitrobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Pentachlorobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Pentachloronitrobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Pentachlorophenol	ND	(1800)	[0.035865]	ND	(1800)	[0.036338]	ND	(1800)	[0.036291]	ND	(1800)	[0.036694]
Phenacetin	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Phenanthrene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Phenol	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Pronamide	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Pyrene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Pyridine	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
Trichloropropene(s)	NA			140	(0)	[0.036338]	NA			150	(0)	[0.036694]
Unknown	360	(0)	[0.035865]	250	(0)	[0.036338]	NA			220	(0)	[0.036694]
Unknown B	NA			NA			140	(0)	[0.036291]	NA		
Unknown aldehyde	220	(0)	[0.035865]	NA			NA			NA		
Unknown alkane	180	(0)	[0.035865]	NA			NA			NA		
Unknown cyclic ether	360	(0)	[0.035865]	NA			NA			730	(0)	[0.036694]
Unknown cyclic ether B	NA			470	(0)	[0.036338]	NA			NA		
bis(2-Chloroethoxy)methane	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
bis(2-Chloroethyl)ether	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
bis(2-Ethylhexyl)phthalate	ND	(360)	[0.035865]	ND	(360)	[0.036338]	79 JB	(360)	[0.036291]	ND	(370)	[0.036694]
p-Chloroaniline	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]
p-Dimethylaminoazobenzene	ND	(360)	[0.035865]	ND	(360)	[0.036338]	ND	(360)	[0.036291]	ND	(370)	[0.036694]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 8B CAN97-8B-04 19 - 21				NONE 8B CAN97-8B-05 24 - 26				NONE 8B CAN97-8B-06 29 - 31				NONE 8B CAN97-8B-07 34 - 36			
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)															
Hydrocarbons	ND	(27)	[5.495616]		51 @	(28)	[5.526046]		35 @	(27)	[5.330848]		7.1 @	(26)	[5.283736]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)															
Benzene (2)	NA				NA				NA				4.2 J	(31)	[102]
Diesel (2)	7100 GB@	(5500)	[109.8901]		NA				NA				21000 GB@	(5300)	[105.2631]
Ethylbenzene (2)	NA				NA				NA				13 J	(31)	[102]
Gasoline (2)	NA				NA				NA				ND	(5100)	[102]
Jet fuel (2)	ND	(11000)	[109.8901]		NA				NA				ND	(11000)	[105.2631]
Kerosene (2)	ND	(11000)	[109.8901]		NA				NA				ND	(11000)	[105.2631]
Toluene (2)	NA				NA				NA				15 J	(31)	[102]
Xylenes (total) (2)	NA				NA				NA				41 J	(51)	[102]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)															
4,4'-DDD	0.42 G@	(0.37)	[36.71071]		0.4 G@	(0.37)	[36.81885]		0.43 G@	(0.36)	[35.57452]		ND	(0.35)	[35.23608]
4,4'-DDE	0.072 J	(0.37)	[36.71071]		0.075 J	(0.37)	[36.81885]		ND	(0.36)	[35.57452]		0.43 @	(0.35)	[35.23608]
4,4'-DDT	0.55 J	(0.73)	[36.71071]		0.34 J	(0.74)	[36.81885]		ND	(0.71)	[35.57452]		0.62 J	(0.7)	[35.23608]
Aldrin	ND	(0.37)	[36.71071]		ND	(0.37)	[36.81885]		ND	(0.36)	[35.57452]		ND	(0.35)	[35.23608]
Chlordane	ND	(1.8)	[36.71071]		ND	(1.8)	[36.81885]		ND	(1.8)	[35.57452]		ND	(1.8)	[35.23608]
Dieldrin	ND	(0.37)	[36.71071]		ND	(0.37)	[36.81885]		ND	(0.36)	[35.57452]		ND	(0.35)	[35.23608]
Endosulfan I	ND	(0.37)	[36.71071]		ND	(0.37)	[36.81885]		ND	(0.36)	[35.57452]		ND	(0.35)	[35.23608]
Endosulfan II	ND	(1.1)	[36.71071]		ND	(1.1)	[36.81885]		ND	(1.1)	[35.57452]		ND	(1.1)	[35.23608]
Endosulfan Sulfate	ND	(1.8)	[36.71071]		ND	(1.8)	[36.81885]		ND	(1.8)	[35.57452]		ND	(1.8)	[35.23608]
Endrin	0.13 J	(0.37)	[36.71071]		0.11 J	(0.37)	[36.81885]		ND	(0.36)	[35.57452]		ND	(0.35)	[35.23608]
Endrin Aldehyde	ND	(0.73)	[36.71071]		ND	(0.74)	[36.81885]		ND	(0.71)	[35.57452]		ND	(0.7)	[35.23608]
Endrin Ketone	ND	(1.8)	[36.71071]		ND	(1.8)	[36.81885]		ND	(1.8)	[35.57452]		ND	(1.8)	[35.23608]
Heptachlor	0.06 J	(0.37)	[36.71071]		0.067 J	(0.37)	[36.81885]		0.12 J	(0.36)	[35.57452]		ND	(0.35)	[35.23608]
Heptachlor epoxide	ND	(0.37)	[36.71071]		ND	(0.37)	[36.81885]		ND	(0.36)	[35.57452]		0.17 J	(0.35)	[35.23608]
Methoxychlor	ND	(1.8)	[36.71071]		ND	(1.8)	[36.81885]		ND	(1.8)	[35.57452]		ND	(1.8)	[35.23608]
PCB-1016	ND	(3.7)	[36.71071]		ND	(3.7)	[36.81885]		ND	(3.6)	[35.57452]		ND	(3.5)	[35.23608]
PCB-1221	ND	(7.3)	[36.71071]		ND	(7.4)	[36.81885]		ND	(7.1)	[35.57452]		ND	(7)	[35.23608]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 8B CAN97-8B-04 19 - 21			NONE 8B CAN97-8B-05 24 - 26			NONE 8B CAN97-8B-06 29 - 31			NONE 8B CAN97-8B-07 34 - 36		
PCB-1232	ND	(7.3)	[36.71071]	ND	(7.4)	[36.81885]	ND	(7.1)	[35.57452]	ND	(7)	[35.23608]
PCB-1242	ND	(3.7)	[36.71071]	ND	(3.7)	[36.81885]	ND	(3.6)	[35.57452]	ND	(3.5)	[35.23608]
PCB-1248	ND	(3.7)	[36.71071]	ND	(3.7)	[36.81885]	ND	(3.6)	[35.57452]	ND	(3.5)	[35.23608]
PCB-1254	ND	(7.3)	[36.71071]	ND	(7.4)	[36.81885]	ND	(7.1)	[35.57452]	ND	(7)	[35.23608]
PCB-1260	ND	(7.3)	[36.71071]	ND	(7.4)	[36.81885]	ND	(7.1)	[35.57452]	ND	(7)	[35.23608]
Toxaphene	ND	(18)	[36.71071]	ND	(18)	[36.81885]	ND	(18)	[35.57452]	ND	(18)	[35.23608]
alpha-BHC	ND	(0.37)	[36.71071]	ND	(0.37)	[36.81885]	ND	(0.36)	[35.57452]	ND	(0.35)	[35.23608]
beta-BHC	ND	(0.37)	[36.71071]	ND	(0.37)	[36.81885]	ND	(0.36)	[35.57452]	ND	(0.35)	[35.23608]
delta-BHC	ND	(0.37)	[36.71071]	ND	(0.37)	[36.81885]	ND	(0.36)	[35.57452]	ND	(0.35)	[35.23608]
gamma-BHC	ND	(0.37)	[36.71071]	ND	(0.37)	[36.81885]	ND	(0.36)	[35.57452]	ND	(0.35)	[35.23608]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.3)	[36.64345]	NA			NA			ND	(7)	[35.22367]
2,4,5-TP (Silvex)	ND	(6.2)	[36.64345]	NA			NA			ND	(6)	[35.22367]
2,4-D	ND	(44)	[36.64345]	NA			NA			ND	(42)	[35.22367]
2,4-DB	ND	(33)	[36.64345]	NA			NA			ND	(32)	[35.22367]
Dalapon	ND	(210)	[36.64345]	NA			NA			ND	(200)	[35.22367]
Dicamba	ND	(9.9)	[36.64345]	NA			NA			ND	(9.5)	[35.22367]
Dichloroprop	5.6 J	(24)	[36.64345]	NA			NA			250 G	(23)	[35.22367]
Dinoseb	ND	(5.5)	[36.64345]	NA			NA			ND	(5.3)	[35.22367]
MCPA	ND	(9100)	[36.64345]	NA			NA			ND	(8800)	[35.22367]
MCPP	ND	(7000)	[36.64345]	NA			NA			ND	(6800)	[35.22367]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
1,1,2,2-Tetrachloroethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
1,1,2-Trichloroethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
1,1-Dichloroethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
1,1-Dichloroethene	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
1,2,3-Trichloropropane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
1,2-Dichloroethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-04 19 - 21			NONE 8B CAN97-8B-05 24 - 26			NONE 8B CAN97-8B-06 29 - 31			NONE 8B CAN97-8B-07 34 - 36		
1,2-Dichloropropane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
2-Chloroethyl vinyl ether	ND	(11)	[1.101685]	ND	(11)	[1.107419]	ND	(11)	[1.067121]	ND	(10)	[1.043405]
2-Ethylhexyl acetate	NA			NA			6.4	()	[1.067121]	NA		
2-Hexanone	ND	(55)	[1.101685]	ND	(55)	[1.107419]	ND	(53)	[1.067121]	ND	(52)	[1.043405]
4-Methyl-2-pentanone(MIBK)	ND	(55)	[1.101685]	ND	(55)	[1.107419]	ND	(53)	[1.067121]	ND	(52)	[1.043405]
Acetone	ND	(110)	[1.101685]	ND	(110)	[1.107419]	ND	(110)	[1.067121]	ND	(100)	[1.043405]
Acrolein	ND	(83)	[1.101685]	ND	(83)	[1.107419]	ND	(80)	[1.067121]	ND	(78)	[1.043405]
Acrylonitrile	ND	(55)	[1.101685]	ND	(55)	[1.107419]	ND	(53)	[1.067121]	ND	(52)	[1.043405]
Benzene	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Bromodichloromethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Bromomethane	ND	(11)	[1.101685]	ND	(11)	[1.107419]	ND	(11)	[1.067121]	ND	(10)	[1.043405]
Carbon disulfide	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Carbon tetrachloride	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Chlorobenzene	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Chloroethane	ND	(11)	[1.101685]	ND	(11)	[1.107419]	ND	(11)	[1.067121]	ND	(10)	[1.043405]
Chloroform	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Chloromethane	ND	(11)	[1.101685]	ND	(11)	[1.107419]	ND	(11)	[1.067121]	ND	(10)	[1.043405]
Dibromochloromethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Dibromomethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Dichlorodifluoromethane	ND	(22)	[1.101685]	ND	(22)	[1.107419]	ND	(21)	[1.067121]	ND	(21)	[1.043405]
Ethyl acetate	41	()	[1.101685]	30	()	[1.107419]	17	()	[1.067121]	46	()	[1.043405]
Ethyl benzene	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Ethyl methacrylate	ND	(17)	[1.101685]	ND	(17)	[1.107419]	ND	(16)	[1.067121]	ND	(16)	[1.043405]
Iodomethane	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Methyl ethyl ketone	ND	(110)	[1.101685]	ND	(110)	[1.107419]	ND	(110)	[1.067121]	ND	(100)	[1.043405]
Methylene chloride	ND	(5.5)	[1.101685]	2.7 J	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Styrene	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Tetrachloroethene	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]
Toluene	ND	(5.5)	[1.101685]	ND	(5.5)	[1.107419]	ND	(5.3)	[1.067121]	ND	(5.2)	[1.043405]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 8B CAN97-8B-04 19 - 21	NONE 8B CAN97-8B-05 24 - 26	NONE 8B CAN97-8B-06 29 - 31	NONE 8B CAN97-8B-07 34 - 36
Tribromomethane(Bromoform)	ND	(5.5)	[1.101685]	ND	(5.5) [1.107419]	ND (5.3) [1.067121]	ND (5.2) [1.043405]
Trichloroethene	ND	(5.5)	[1.101685]	ND	(5.5) [1.107419]	ND (5.3) [1.067121]	ND (5.2) [1.043405]
Trichlorofluoromethane	ND	(11)	[1.101685]	ND	(11) [1.107419]	ND (11) [1.067121]	ND (10) [1.043405]
Unknown	61	()	[1.101685]	7.8	() [1.107419]	27 () [1.067121]	20 () [1.043405]
Vinyl acetate	ND	(5.5)	[1.101685]	ND	(5.5) [1.107419]	ND (5.3) [1.067121]	ND (5.2) [1.043405]
Vinyl chloride	ND	(11)	[1.101685]	ND	(11) [1.107419]	ND (11) [1.067121]	ND (10) [1.043405]
Xylenes	ND	(5.5)	[1.101685]	ND	(5.5) [1.107419]	ND (5.3) [1.067121]	ND (5.2) [1.043405]
cis-1,3-Dichloropropene	ND	(5.5)	[1.101685]	ND	(5.5) [1.107419]	ND (5.3) [1.067121]	ND (5.2) [1.043405]
trans-1,2-Dichloroethene	ND	(5.5)	[1.101685]	ND	(5.5) [1.107419]	ND (5.3) [1.067121]	ND (5.2) [1.043405]
trans-1,3-Dichloropropene	ND	(5.5)	[1.101685]	ND	(5.5) [1.107419]	ND (5.3) [1.067121]	ND (5.2) [1.043405]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.101685]	ND	(11) [1.107419]	ND (11) [1.067121]	ND (10) [1.043405]
SW8270 - Semivolatile Organics (ug/kg)							
1,2,4,5-Tetrachlorobenzene	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
1,2,4-Trichlorobenzene	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
1,2-Dichlorobenzene	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
1,2-Diphenylhydrazine	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
1,3-Dichlorobenzene	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
1,4-Dichlorobenzene	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
1-Chloronaphthalene	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
1-Naphthylamine	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
2,3,4,6-Tetrachlorophenol	ND	(730)	[0.036698]	ND	(740) [0.036864]	ND (710) [0.035535]	ND (700) [0.035224]
2,4,5-Trichlorophenol	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
2,4,6-Trichlorophenol	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
2,4-Dichlorophenol	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
2,4-Dimethylphenol	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
2,4-Dinitrophenol	ND	(1800)	[0.036698]	ND	(1800) [0.036864]	ND (1800) [0.035535]	ND (1800) [0.035224]
2,4-Dinitrotoluene	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
2,6-Dichlorophenol	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]
2,6-Dinitrotoluene	ND	(370)	[0.036698]	ND	(370) [0.036864]	ND (360) [0.035535]	ND (350) [0.035224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-04 19 - 21			NONE 8B CAN97-8B-05 24 - 26			NONE 8B CAN97-8B-06 29 - 31			NONE 8B CAN97-8B-07 34 - 36		
2-Chloronaphthalene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
2-Chlorophenol	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
2-Methylnaphthalene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
2-Methylphenol(o-cresol)	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
2-Naphthylamine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
2-Nitroaniline	ND	(1800)	[0.036698]	ND	(1800)	[0.036864]	ND	(1800)	[0.035535]	ND	(1800)	[0.035224]
2-Nitrophenol	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
2-Picoline	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
3,3'-Dichlorobenzidine	ND	(730)	[0.036698]	ND	(740)	[0.036864]	ND	(710)	[0.035535]	ND	(700)	[0.035224]
3-Methylcholanthrene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
3-Nitroaniline	ND	(1800)	[0.036698]	ND	(1800)	[0.036864]	ND	(1800)	[0.035535]	ND	(1800)	[0.035224]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.036698]	ND	(1800)	[0.036864]	ND	(1800)	[0.035535]	ND	(1800)	[0.035224]
4-Aminobiphenyl	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
4-Bromophenyl phenyl ether	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
4-Chloro-3-methylphenol	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
4-Chlorophenyl phenyl ether	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
4-Methylphenol(p-cresol)	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
4-Nitroaniline	ND	(1800)	[0.036698]	ND	(1800)	[0.036864]	ND	(1800)	[0.035535]	ND	(1800)	[0.035224]
4-Nitrophenol	ND	(1800)	[0.036698]	ND	(1800)	[0.036864]	ND	(1800)	[0.035535]	ND	(1800)	[0.035224]
7,12-Dimethylbenz(a)anthracene	ND	(920)	[0.036698]	ND	(920)	[0.036864]	ND	(890)	[0.035535]	ND	(880)	[0.035224]
Acenaphthene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Acenaphthylene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Acetophenone	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Aniline	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Anthracene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Benzidine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Benzo(a)anthracene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Benzo(a)pyrene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Benzo(b)fluoranthene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-04 19 - 21			NONE 8B CAN97-8B-05 24 - 26			NONE 8B CAN97-8B-06 29 - 31			NONE 8B CAN97-8B-07 34 - 36		
Benzo(g,h,i)perylene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Benzo(k)fluoranthene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Benzoic acid	ND	(1800)	[0.036698]	ND	(1800)	[0.036864]	ND	(1800)	[0.035535]	ND	(1800)	[0.035224]
Benzyl alcohol	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Butylbenzylphthalate	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Chlorocyclohexanol	NA			NA			590	(0)	[0.035535]	NA		
Chrysene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Cyclohexenol	NA			NA			780	(0)	[0.035535]	NA		
Cyclohexenone	NA			NA			160	(0)	[0.035535]	NA		
Di-n-octylphthalate	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Dibenz(a,h)anthracene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Dibenz(a,j)acridine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Dibenzofuran	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Dibutylphthalate	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Diethylphthalate	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Dimethylphenethylamine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Dimethylphthalate	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Diphenylamine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Ethyl methanesulfonate	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Fluoranthene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Fluorene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Hexachlorobenzene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Hexachlorobutadiene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Hexachlorocyclopentadiene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Hexachloroethane	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Indeno(1,2,3-cd)pyrene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Isophorone	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Methyl methanesulfonate	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
N-Nitroso-di-n-butylamine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-04 19 - 21			NONE 8B CAN97-8B-05 24 - 26			NONE 8B CAN97-8B-06 29 - 31			NONE 8B CAN97-8B-07 34 - 36		
N-Nitrosodimethylamine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
N-Nitrosodiphenylamine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
N-Nitrosodipropylamine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
N-Nitrosopiperidine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Naphthalene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Nitrobenzene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Pentachlorobenzene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Pentachloronitrobenzene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Pentachlorophenol	ND	(1800)	[0.036698]	ND	(1800)	[0.036864]	ND	(1800)	[0.035535]	ND	(1800)	[0.035224]
Phenacetin	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Phenanthrene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Phenol	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Pronamide	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Pyrene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Pyridine	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
Trichloropropene(s)	NA			NA			190	(0)	[0.035535]	390	(0)	[0.035224]
Unknown	220	(0)	[0.036698]	920	(0)	[0.036864]	590	(0)	[0.035535]	350	(0)	[0.035224]
Unknown alkene	NA			NA			NA			60000	(0)	[0.035224]
Unknown cyclic ether	660	(0)	[0.036698]	550	(0)	[0.036864]	1300	(0)	[0.035535]	NA		
Unknown cyclic ether B	NA			NA			NA			350	(0)	[0.035224]
bis(2-Chloroethoxy)methane	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
bis(2-Chloroethyl)ether	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
bis(2-Chloroisopropyl)ether	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
bis(2-Ethylhexyl)phthalate	5300	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
p-Chloroaniline	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]
p-Dimethylaminoazobenzene	ND	(370)	[0.036698]	ND	(370)	[0.036864]	ND	(360)	[0.035535]	ND	(350)	[0.035224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 8B CAN97-8B-08 39 - 41				NONE 8B CAN97-8B-09 44 - 46				NONE 8B CAN97-8B-10 49 - 51				NONE 8B CAN97-8B-11 54 - 56			
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)																
Hydrocarbons	31 @	(26)	[5.288361]		40 @	(26)	[5.235854]		38 @	(27)	[5.394173]		29 @	(26)	[5.293963]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)															
Benzene (2)	NA				NA				NA				10 J	(32)	[105]
Diesel (2)	NA				NA				NA				7200 GB@	(5300)	[106.3829]
Ethylbenzene (2)	NA				NA				NA				ND	(32)	[105]
Gasoline (2)	NA				NA				NA				ND	(5200)	[105]
Jet fuel (2)	NA				NA				NA				ND	(11000)	[106.3829]
Kerosene (2)	NA				NA				NA				ND	(11000)	[106.3829]
Toluene (2)	NA				NA				NA				ND	(32)	[105]
Xylenes (total) (2)	NA				NA				NA				18 J	(52)	[105]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)															
4,4'-DDD	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		0.41 G@	(0.36)	[35.98416]		0.39 @	(0.35)	[35.28581]
4,4'-DDE	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]
4,4'-DDT	ND	(0.71)	[35.27336]		ND	(0.7)	[34.90401]		ND	(0.72)	[35.98416]		ND	(0.71)	[35.28581]
Aldrin	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]
Chlordane	ND	(1.8)	[35.27336]		ND	(1.7)	[34.90401]		ND	(1.8)	[35.98416]		ND	(1.8)	[35.28581]
Dieldrin	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]
Endosulfan I	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]
Endosulfan II	ND	(1.1)	[35.27336]		ND	(1)	[34.90401]		ND	(1.1)	[35.98416]		ND	(1.1)	[35.28581]
Endosulfan Sulfate	ND	(1.8)	[35.27336]		ND	(1.7)	[34.90401]		0.09 J	(1.8)	[35.98416]		ND	(1.8)	[35.28581]
Endrin	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		0.11 J	(0.36)	[35.98416]		0.1 J	(0.35)	[35.28581]
Endrin Aldehyde	ND	(0.71)	[35.27336]		ND	(0.7)	[34.90401]		ND	(0.72)	[35.98416]		ND	(0.71)	[35.28581]
Endrin Ketone	ND	(1.8)	[35.27336]		ND	(1.7)	[34.90401]		ND	(1.8)	[35.98416]		ND	(1.8)	[35.28581]
Heptachlor	0.1 J	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		0.057 J	(0.36)	[35.98416]		0.016 J	(0.35)	[35.28581]
Heptachlor epoxide	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]
Methoxychlor	ND	(1.8)	[35.27336]		ND	(1.7)	[34.90401]		ND	(1.8)	[35.98416]		ND	(1.8)	[35.28581]
PCB-1016	ND	(3.5)	[35.27336]		ND	(3.5)	[34.90401]		ND	(3.6)	[35.98416]		ND	(3.5)	[35.28581]
PCB-1221	ND	(7.1)	[35.27336]		ND	(7)	[34.90401]		ND	(7.2)	[35.98416]		ND	(7.1)	[35.28581]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 8B CAN97-8B-08 39 - 41				NONE 8B CAN97-8B-09 44 - 46				NONE 8B CAN97-8B-10 49 - 51				NONE 8B CAN97-8B-11 54 - 56			
PCB-1232	ND	(7.1)	[35.27336]		ND	(7)	[34.90401]		ND	(7.2)	[35.98416]		ND	(7.1)	[35.28581]	
PCB-1242	ND	(3.5)	[35.27336]		ND	(3.5)	[34.90401]		ND	(3.6)	[35.98416]		ND	(3.5)	[35.28581]	
PCB-1248	ND	(3.5)	[35.27336]		ND	(3.5)	[34.90401]		ND	(3.6)	[35.98416]		ND	(3.5)	[35.28581]	
PCB-1254	ND	(7.1)	[35.27336]		ND	(7)	[34.90401]		ND	(7.2)	[35.98416]		ND	(7.1)	[35.28581]	
PCB-1260	ND	(7.1)	[35.27336]		ND	(7)	[34.90401]		ND	(7.2)	[35.98416]		ND	(7.1)	[35.28581]	
Toxaphene	ND	(18)	[35.27336]		ND	(17)	[34.90401]		ND	(18)	[35.98416]		ND	(18)	[35.28581]	
alpha-BHC	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]	
beta-BHC	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]	
delta-BHC	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]	
gamma-BHC	ND	(0.35)	[35.27336]		ND	(0.35)	[34.90401]		ND	(0.36)	[35.98416]		ND	(0.35)	[35.28581]	
SW8150 - Chlorinated Herbicides (ug/kg)																
2,4,5-T	NA				NA				NA				ND	(7)	[35.23608]	
2,4,5-TP (Silvex)	NA				NA				NA				ND	(6)	[35.23608]	
2,4-D	NA				NA				NA				ND	(42)	[35.23608]	
2,4-DB	NA				NA				NA				ND	(32)	[35.23608]	
Dalapon	NA				NA				NA				ND	(200)	[35.23608]	
Dicamba	NA				NA				NA				ND	(9.5)	[35.23608]	
Dichloroprop	NA				NA				NA				4.7 J	(23)	[35.23608]	
Dinoseb	NA				NA				NA				ND	(5.3)	[35.23608]	
MCPA	NA				NA				NA				ND	(8800)	[35.23608]	
MCPP	NA				NA				NA				ND	(6800)	[35.23608]	
SW8240 - Volatile Organics (ug/kg)																
1,1,1-Trichloroethane	ND	(5.3)	[1.058425]		ND	(5.2)	[1.047888]		ND	(5.4)	[1.079563]		ND	(5.3)	[1.059097]	
1,1,2,2-Tetrachloroethane	ND	(5.3)	[1.058425]		ND	(5.2)	[1.047888]		ND	(5.4)	[1.079563]		ND	(5.3)	[1.059097]	
1,1,2-Trichloroethane	ND	(5.3)	[1.058425]		ND	(5.2)	[1.047888]		ND	(5.4)	[1.079563]		ND	(5.3)	[1.059097]	
1,1-Dichloroethane	ND	(5.3)	[1.058425]		ND	(5.2)	[1.047888]		ND	(5.4)	[1.079563]		ND	(5.3)	[1.059097]	
1,1-Dichloroethene	ND	(5.3)	[1.058425]		ND	(5.2)	[1.047888]		ND	(5.4)	[1.079563]		ND	(5.3)	[1.059097]	
1,2,3-Trichloropropane	ND	(5.3)	[1.058425]		ND	(5.2)	[1.047888]		ND	(5.4)	[1.079563]		ND	(5.3)	[1.059097]	
1,2-Dichloroethane	ND	(5.3)	[1.058425]		ND	(5.2)	[1.047888]		ND	(5.4)	[1.079563]		ND	(5.3)	[1.059097]	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-08 39 - 41			NONE 8B CAN97-8B-09 44 - 46			NONE 8B CAN97-8B-10 49 - 51			NONE 8B CAN97-8B-11 54 - 56		
1,2-Dichloropropane	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
2-Chloroethyl vinyl ether	ND	(11)	[1.058425]	ND	(10)	[1.047888]	ND	(11)	[1.079563]	ND	(11)	[1.059097]
2-Hexanone	ND	(53)	[1.058425]	ND	(52)	[1.047888]	ND	(54)	[1.079563]	ND	(53)	[1.059097]
4-Methyl-2-pentanone(MIBK)	ND	(53)	[1.058425]	ND	(52)	[1.047888]	ND	(54)	[1.079563]	ND	(53)	[1.059097]
Acetone	ND	(110)	[1.058425]	ND	(100)	[1.047888]	ND	(110)	[1.079563]	ND	(110)	[1.059097]
Acrolein	ND	(79)	[1.058425]	ND	(79)	[1.047888]	ND	(81)	[1.079563]	ND	(79)	[1.059097]
Acrylonitrile	ND	(53)	[1.058425]	ND	(52)	[1.047888]	ND	(54)	[1.079563]	ND	(53)	[1.059097]
Benzene	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Bromodichloromethane	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Bromomethane	ND	(11)	[1.058425]	ND	(10)	[1.047888]	ND	(11)	[1.079563]	ND	(11)	[1.059097]
Carbon disulfide	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Carbon tetrachloride	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Chlorobenzene	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Chloroethane	ND	(11)	[1.058425]	ND	(10)	[1.047888]	ND	(11)	[1.079563]	ND	(11)	[1.059097]
Chloroform	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Chloromethane	ND	(11)	[1.058425]	ND	(10)	[1.047888]	ND	(11)	[1.079563]	ND	(11)	[1.059097]
Dibromochloromethane	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Dibromomethane	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Dichlorodifluoromethane	ND	(21)	[1.058425]	ND	(21)	[1.047888]	ND	(22)	[1.079563]	ND	(21)	[1.059097]
Ethyl acetate	16	()	[1.058425]	10	()	[1.047888]	42	()	[1.079563]	71	()	[1.059097]
Ethyl benzene	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Ethyl methacrylate	ND	(16)	[1.058425]	ND	(16)	[1.047888]	ND	(16)	[1.079563]	ND	(16)	[1.059097]
Iodomethane	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Methyl ethyl ketone	ND	(110)	[1.058425]	ND	(100)	[1.047888]	ND	(110)	[1.079563]	ND	(110)	[1.059097]
Methylene chloride	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Styrene	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Tetrachloroethene	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Toluene	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]
Tribromomethane(Bromoform)	ND	(5.3)	[1.058425]	ND	(5.2)	[1.047888]	ND	(5.4)	[1.079563]	ND	(5.3)	[1.059097]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 8B CAN97-8B-08 39 - 41	NONE 8B CAN97-8B-09 44 - 46	NONE 8B CAN97-8B-10 49 - 51	NONE 8B CAN97-8B-11 54 - 56
Trichloroethene		ND	(5.3) [1.058425]	ND	(5.2) [1.047888]	ND (5.4) [1.079563]	ND (5.3) [1.059097]
Trichlorofluoromethane		ND	(11) [1.058425]	ND	(10) [1.047888]	ND (11) [1.079563]	ND (11) [1.059097]
Unknown		20	() [1.058425]	NA		13 () [1.079563]	38 () [1.059097]
Vinyl acetate		ND	(5.3) [1.058425]	ND	(5.2) [1.047888]	ND (5.4) [1.079563]	ND (5.3) [1.059097]
Vinyl chloride		ND	(11) [1.058425]	ND	(10) [1.047888]	ND (11) [1.079563]	ND (11) [1.059097]
Xylenes		ND	(5.3) [1.058425]	ND	(5.2) [1.047888]	ND (5.4) [1.079563]	ND (5.3) [1.059097]
cis-1,3-Dichloropropene		ND	(5.3) [1.058425]	ND	(5.2) [1.047888]	ND (5.4) [1.079563]	ND (5.3) [1.059097]
trans-1,2-Dichloroethene		ND	(5.3) [1.058425]	ND	(5.2) [1.047888]	ND (5.4) [1.079563]	ND (5.3) [1.059097]
trans-1,3-Dichloropropene		ND	(5.3) [1.058425]	ND	(5.2) [1.047888]	ND (5.4) [1.079563]	ND (5.3) [1.059097]
trans-1,4-Dichloro-2-butene		ND	(11) [1.058425]	ND	(10) [1.047888]	ND (11) [1.079563]	ND (11) [1.059097]
SW8270 - Semivolatile Organics	(ug/kg)						
1,2,4,5-Tetrachlorobenzene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
1,2,4-Trichlorobenzene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
1,2-Dichlorobenzene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
1,2-Diphenylhydrazine		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
1,3-Dichlorobenzene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
1,4-Dichlorobenzene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
1-Chloronaphthalene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
1-Naphthylamine		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
2,3,4,6-Tetrachlorophenol		ND	(710) [0.035269]	ND	(700) [0.034917]	ND (720) [0.035961]	ND (710) [0.035291]
2,4,5-Trichlorophenol		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
2,4,6-Trichlorophenol		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
2,4-Dichlorophenol		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
2,4-Dimethylphenol		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
2,4-Dinitrophenol		ND	(1800) [0.035269]	ND	(1700) [0.034917]	ND (1800) [0.035961]	ND (1800) [0.035291]
2,4-Dinitrotoluene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
2,6-Dichlorophenol		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
2,6-Dinitrotoluene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]
2-Chloronaphthalene		ND	(350) [0.035269]	ND	(350) [0.034917]	ND (360) [0.035961]	ND (350) [0.035291]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 8B CAN97-8B-08 39 - 41			NONE 8B CAN97-8B-09 44 - 46			NONE 8B CAN97-8B-10 49 - 51			NONE 8B CAN97-8B-11 54 - 56		
2-Chlorophenol	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
2-Methylnaphthalene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
2-Methylphenol(o-cresol)	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
2-Naphthylamine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
2-Nitroaniline	ND	(1800)	[0.035269]	ND	(1700)	[0.034917]	ND	(1800)	[0.035961]	ND	(1800)	[0.035291]
2-Nitrophenol	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
2-Picoline	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
3,3'-Dichlorobenzidine	ND	(710)	[0.035269]	ND	(700)	[0.034917]	ND	(720)	[0.035961]	ND	(710)	[0.035291]
3-Methylcholanthrene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
3-Nitroaniline	ND	(1800)	[0.035269]	ND	(1700)	[0.034917]	ND	(1800)	[0.035961]	ND	(1800)	[0.035291]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035269]	ND	(1700)	[0.034917]	ND	(1800)	[0.035961]	ND	(1800)	[0.035291]
4-Aminobiphenyl	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
4-Bromophenyl phenyl ether	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
4-Chloro-3-methylphenol	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
4-Chlorophenyl phenyl ether	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
4-Methylphenol(p-cresol)	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
4-Nitroaniline	ND	(1800)	[0.035269]	ND	(1700)	[0.034917]	ND	(1800)	[0.035961]	ND	(1800)	[0.035291]
4-Nitrophenol	ND	(1800)	[0.035269]	ND	(1700)	[0.034917]	ND	(1800)	[0.035961]	ND	(1800)	[0.035291]
7,12-Dimethylbenz(a)anthracene	ND	(880)	[0.035269]	ND	(870)	[0.034917]	ND	(900)	[0.035961]	ND	(880)	[0.035291]
Acenaphthene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Acenaphthylene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Acetophenone	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Aniline	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Anthracene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Benzidine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Benzo(a)anthracene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Benzo(a)pyrene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Benzo(b)fluoranthene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Benzo(g,h,i)perylene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 8B CAN97-8B-08 39 - 41			NONE 8B CAN97-8B-09 44 - 46			NONE 8B CAN97-8B-10 49 - 51			NONE 8B CAN97-8B-11 54 - 56		
Benzo(k)fluoranthene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Benzoic acid	ND	(1800)	[0.035269]	ND	(1700)	[0.034917]	ND	(1800)	[0.035961]	ND	(1800)	[0.035291]
Benzyl alcohol	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Butylbenzylphthalate	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Chrysene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Cyclohexenol	600	(0)	[0.035269]	NA			NA			NA		
Cyclohexenone	180	(0)	[0.035269]	NA			NA			NA		
Di-n-octylphthalate	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Dibenz(a,h)anthracene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Dibenz(a,j)acridine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Dibenzofuran	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Dibutylphthalate	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Diethylphthalate	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Dimethylphenethylamine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Dimethylphthalate	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Diphenylamine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Ethyl methanesulfonate	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Fluoranthene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Fluorene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Hexachlorobenzene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Hexachlorobutadiene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Hexachlorocyclopentadiene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Hexachloroethane	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Isophorone	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Methyl methanesulfonate	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
N-Nitroso-di-n-butylamine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
N-Nitrosodimethylamine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
N-Nitrosodiphenylamine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-08 39 - 41			NONE 8B CAN97-8B-09 44 - 46			NONE 8B CAN97-8B-10 49 - 51			NONE 8B CAN97-8B-11 54 - 56		
N-Nitrosodipropylamine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
N-Nitrosopiperidine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Naphthalene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Nitrobenzene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Pentachlorobenzene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Pentachloronitrobenzene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Pentachlorophenol	ND	(1800)	[0.035269]	ND	(1700)	[0.034917]	ND	(1800)	[0.035961]	ND	(1800)	[0.035291]
Phenacetin	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Phenanthrene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Phenol	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Pronamide	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Pyrene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Pyridine	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
Trichloropropene(s)	250	(0)	[0.035269]	170	(0)	[0.034917]	180	(0)	[0.035961]	NA		
Unknown	320	(0)	[0.035269]	170	(0)	[0.034917]	400	(0)	[0.035961]	280	(0)	[0.035291]
Unknown cyclic ether	1600	(0)	[0.035269]	630	(0)	[0.034917]	NA			460	(0)	[0.035291]
bis(2-Chloroethoxy)methane	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
bis(2-Chloroethyl)ether	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
bis(2-Ethylhexyl)phthalate	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
p-Chloroaniline	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]
p-Dimethylaminoazobenzene	ND	(350)	[0.035269]	ND	(350)	[0.034917]	ND	(360)	[0.035961]	ND	(350)	[0.035291]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 8B CAN97-8B-12 59 - 61				NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61				NONE 8B CAN97-8B-13 64 - 66				NONE BG CAN97-BG-01 0 - 2		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)															
Hydrocarbons	ND	(25)	[5.080452]		1.4 @	(25)	[5.091857]		31 @	(26)	[5.268992]		1700	(27)	[5.413130]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)															
Benzene (2)	NA				NA				NA				ND	(33)	[110]
Diesel (2)	NA				NA				NA				33000 GB@	(27000)	[540.5405]
Ethylbenzene (2)	NA				NA				NA				ND	(33)	[110]
Gasoline (2)	NA				NA				NA				ND	(5500)	[110]
Jet fuel (2)	NA				NA				NA				ND	(54000)	[540.5405]
Kerosene (2)	NA				NA				NA				ND	(54000)	[540.5405]
Toluene (2)	NA				NA				NA				ND	(33)	[110]
Xylenes (total) (2)	NA				NA				NA				ND	(55)	[110]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)															
4,4'-DDD	ND	(0.34)	[33.94433]		ND	(0.34)	[34.01360]		0.41 G@	(0.35)	[35.13703]		ND	(18)	[1810.282]
4,4'-DDE	ND	(0.34)	[33.94433]		ND	(0.34)	[34.01360]		0.066 J	(0.35)	[35.13703]		ND	(18)	[1810.282]
4,4'-DDT	0.45 J	(0.68)	[33.94433]		0.53 J	(0.68)	[34.01360]		ND	(0.7)	[35.13703]		ND	(36)	[1810.282]
Aldrin	ND	(0.34)	[33.94433]		ND	(0.34)	[34.01360]		ND	(0.35)	[35.13703]		ND	(18)	[1810.282]
Chlordane	ND	(1.7)	[33.94433]		ND	(1.7)	[34.01360]		ND	(1.8)	[35.13703]		ND	(91)	[1810.282]
Dieldrin	ND	(0.34)	[33.94433]		ND	(0.34)	[34.01360]		ND	(0.35)	[35.13703]		ND	(18)	[1810.282]
Endosulfan I	ND	(0.34)	[33.94433]		ND	(0.34)	[34.01360]		ND	(0.35)	[35.13703]		ND	(18)	[1810.282]
Endosulfan II	ND	(1)	[33.94433]		ND	(1)	[34.01360]		ND	(1.1)	[35.13703]		ND	(54)	[1810.282]
Endosulfan Sulfate	ND	(1.7)	[33.94433]		ND	(1.7)	[34.01360]		ND	(1.8)	[35.13703]		ND	(91)	[1810.282]
Endrin	ND	(0.34)	[33.94433]		ND	(0.34)	[34.01360]		0.12 J	(0.35)	[35.13703]		ND	(18)	[1810.282]
Endrin Aldehyde	ND	(0.68)	[33.94433]		ND	(0.68)	[34.01360]		ND	(0.7)	[35.13703]		ND	(36)	[1810.282]
Endrin Ketone	ND	(1.7)	[33.94433]		ND	(1.7)	[34.01360]		ND	(1.8)	[35.13703]		ND	(91)	[1810.282]
Heptachlor	ND	(0.34)	[33.94433]		ND	(0.34)	[34.01360]		0.078 J	(0.35)	[35.13703]		ND	(18)	[1810.282]
Heptachlor epoxide	0.17 J	(0.34)	[33.94433]		0.18 J	(0.34)	[34.01360]		ND	(0.35)	[35.13703]		ND	(18)	[1810.282]
Methoxychlor	ND	(1.7)	[33.94433]		ND	(1.7)	[34.01360]		ND	(1.8)	[35.13703]		ND	(91)	[1810.282]
PCB-1016	ND	(3.4)	[33.94433]		ND	(3.4)	[34.01360]		ND	(3.5)	[35.13703]		ND	(180)	[1810.282]
PCB-1221	ND	(6.8)	[33.94433]		ND	(6.8)	[34.01360]		ND	(7)	[35.13703]		ND	(360)	[1810.282]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-13 64 - 66			NONE BG CAN97-BG-01 0 - 2		
PCB-1232	ND	(6.8)	[33.94433]	ND	(6.8)	[34.01360]	ND	(7)	[35.13703]	ND	(360)	[1810.282]
PCB-1242	ND	(3.4)	[33.94433]	ND	(3.4)	[34.01360]	ND	(3.5)	[35.13703]	ND	(180)	[1810.282]
PCB-1248	ND	(3.4)	[33.94433]	ND	(3.4)	[34.01360]	ND	(3.5)	[35.13703]	ND	(180)	[1810.282]
PCB-1254	ND	(6.8)	[33.94433]	ND	(6.8)	[34.01360]	ND	(7)	[35.13703]	ND	(360)	[1810.282]
PCB-1260	ND	(6.8)	[33.94433]	ND	(6.8)	[34.01360]	ND	(7)	[35.13703]	ND	(360)	[1810.282]
Toxaphene	ND	(17)	[33.94433]	ND	(17)	[34.01360]	ND	(18)	[35.13703]	ND	(910)	[1810.282]
alpha-BHC	ND	(0.34)	[33.94433]	ND	(0.34)	[34.01360]	ND	(0.35)	[35.13703]	ND	(18)	[1810.282]
beta-BHC	ND	(0.34)	[33.94433]	ND	(0.34)	[34.01360]	ND	(0.35)	[35.13703]	ND	(18)	[1810.282]
delta-BHC	ND	(0.34)	[33.94433]	ND	(0.34)	[34.01360]	ND	(0.35)	[35.13703]	ND	(18)	[1810.282]
gamma-BHC	ND	(0.34)	[33.94433]	ND	(0.34)	[34.01360]	ND	(0.35)	[35.13703]	ND	(18)	[1810.282]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			NA			ND	(7.2)	[36.12716]
2,4,5-TP (Silvex)	NA			NA			NA			ND	(6.1)	[36.12716]
2,4-D	NA			NA			NA			ND	(43)	[36.12716]
2,4-DB	NA			NA			NA			ND	(33)	[36.12716]
Dalapon	NA			NA			NA			ND	(210)	[36.12716]
Dicamba	NA			NA			NA			ND	(9.8)	[36.12716]
Dichloroprop	NA			NA			NA			10 J	(23)	[36.12716]
Dinoseb	NA			NA			NA			ND	(5.4)	[36.12716]
MCPA	NA			NA			NA			ND	(9000)	[36.12716]
MCPP	NA			NA			NA			680 J	(6900)	[36.12716]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
1,1,2,2-Tetrachloroethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
1,1,2-Trichloroethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
1,1-Dichloroethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
1,1-Dichloroethene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
1,2,3-Trichloropropane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
1,2-Dichloroethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-13 64 - 66			NONE BG CAN97-BG-01 0 - 2		
1,2-Dichloropropane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
2-Chloroethyl vinyl ether	ND	(10)	[1.018122]	ND	(10)	[1.020408]	ND	(11)	[1.054852]	ND	(11)	[1.086720]
2-Hexanone	ND	(51)	[1.018122]	ND	(51)	[1.020408]	ND	(53)	[1.054852]	ND	(54)	[1.086720]
4-Methyl-2-pentanone(MIBK)	ND	(51)	[1.018122]	ND	(51)	[1.020408]	ND	(53)	[1.054852]	ND	(54)	[1.086720]
Acetone	ND	(100)	[1.018122]	ND	(100)	[1.020408]	ND	(110)	[1.054852]	ND	(110)	[1.086720]
Acrolein	ND	(76)	[1.018122]	ND	(77)	[1.020408]	ND	(79)	[1.054852]	ND	(82)	[1.086720]
Acrylonitrile	ND	(51)	[1.018122]	ND	(51)	[1.020408]	ND	(53)	[1.054852]	ND	(54)	[1.086720]
Benzene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Bromodichloromethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Bromomethane	ND	(10)	[1.018122]	ND	(10)	[1.020408]	ND	(11)	[1.054852]	ND	(11)	[1.086720]
Carbon disulfide	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Carbon tetrachloride	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Chlorobenzene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Chloroethane	ND	(10)	[1.018122]	ND	(10)	[1.020408]	ND	(11)	[1.054852]	ND	(11)	[1.086720]
Chloroform	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Chloromethane	ND	(10)	[1.018122]	ND	(10)	[1.020408]	ND	(11)	[1.054852]	ND	(11)	[1.086720]
Decanal	8.3	()	[1.018122]	9.2	()	[1.020408]	NA			NA		
Decanal B	NA			NA			6.3	()	[1.054852]	NA		
Dibromochloromethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Dibromomethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Dichlorodifluoromethane	ND	(20)	[1.018122]	ND	(20)	[1.020408]	ND	(21)	[1.054852]	ND	(22)	[1.086720]
Ethyl acetate	NA			NA			43	()	[1.054852]	NA		
Ethyl benzene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Ethyl methacrylate	ND	(15)	[1.018122]	ND	(15)	[1.020408]	ND	(16)	[1.054852]	ND	(16)	[1.086720]
Iodomethane	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Methyl ethyl ketone	ND	(100)	[1.018122]	ND	(100)	[1.020408]	ND	(110)	[1.054852]	ND	(110)	[1.086720]
Methylene chloride	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Nonanal	7.1	()	[1.018122]	7.1	()	[1.020408]	NA			NA		
Styrene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 8B CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-13 64 - 66			NONE BG CAN97-BG-01 0 - 2		
Tetrachloroethene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Toluene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	3.7 J	(5.4)	[1.086720]
Tribromomethane(Bromoform)	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Trichloroethene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Trichlorofluoromethane	ND	(10)	[1.018122]	ND	(10)	[1.020408]	ND	(11)	[1.054852]	ND	(11)	[1.086720]
Unknown	NA			NA			34	()	[1.054852]	NA		
Vinyl acetate	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
Vinyl chloride	ND	(10)	[1.018122]	ND	(10)	[1.020408]	ND	(11)	[1.054852]	ND	(11)	[1.086720]
Xylenes	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
cis-1,3-Dichloropropene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
trans-1,2-Dichloroethene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
trans-1,3-Dichloropropene	ND	(5.1)	[1.018122]	ND	(5.1)	[1.020408]	ND	(5.3)	[1.054852]	ND	(5.4)	[1.086720]
trans-1,4-Dichloro-2-butene	ND	(10)	[1.018122]	ND	(10)	[1.020408]	ND	(11)	[1.054852]	ND	(11)	[1.086720]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
1,2,4-Trichlorobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
1,2-Dichlorobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
1,2-Diphenylhydrazine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
1,3-Dichlorobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
1,4-Dichlorobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
1-Chloronaphthalene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
1-Naphthylamine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
2,3,4,6-Tetrachlorophenol	ND	(680)	[0.033937]	ND	(680)	[0.034013]	ND	(700)	[0.035138]	ND	(720)	[0.036224]
2,4,5-Trichlorophenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
2,4,6-Trichlorophenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
2,4-Dichlorophenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
2,4-Dimethylphenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
2,4-Dinitrophenol	ND	(1700)	[0.033937]	ND	(1700)	[0.034013]	ND	(1800)	[0.035138]	ND	(1800)	[0.036224]
2,4-Dinitrotoluene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 8B CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-13 64 - 66			NONE BG CAN97-BG-01 0 - 2					
2,6-Dichlorophenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
2,6-Dinitrotoluene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
2-Chloronaphthalene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
2-Chlorophenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
2-Methylnaphthalene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
2-Methylphenol(o-cresol)	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
2-Naphthylamine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
2-Nitroaniline	ND	(1700)	[0.033937]	ND	(1700)	[0.034013]	ND	(1800)	[0.035138]	ND		(1800)	[0.036224]
2-Nitrophenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
2-Picoline	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
3,3'-Dichlorobenzidine	ND	(680)	[0.033937]	ND	(680)	[0.034013]	ND	(700)	[0.035138]	ND		(720)	[0.036224]
3-Methylcholanthrene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
3-Nitroaniline	ND	(1700)	[0.033937]	ND	(1700)	[0.034013]	ND	(1800)	[0.035138]	ND		(1800)	[0.036224]
4,6-Dinitro-2-methylphenol	ND	(1700)	[0.033937]	ND	(1700)	[0.034013]	ND	(1800)	[0.035138]	ND		(1800)	[0.036224]
4-Aminobiphenyl	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
4-Bromophenyl phenyl ether	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
4-Chloro-3-methylphenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
4-Chlorophenyl phenyl ether	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
4-Methylphenol(p-cresol)	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
4-Nitroaniline	ND	(1700)	[0.033937]	ND	(1700)	[0.034013]	ND	(1800)	[0.035138]	ND		(1800)	[0.036224]
4-Nitrophenol	ND	(1700)	[0.033937]	ND	(1700)	[0.034013]	ND	(1800)	[0.035138]	ND		(1800)	[0.036224]
7,12-Dimethylbenz(a)anthracene	ND	(850)	[0.033937]	ND	(850)	[0.034013]	ND	(880)	[0.035138]	ND		(910)	[0.036224]
Acenaphthene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	55	J	(360)	[0.036224]
Acenaphthylene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
Acetophenone	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
Aniline	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
Anthracene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	200	J	(360)	[0.036224]
Benzidine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND		(360)	[0.036224]
Benzo(a)anthracene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	69	J	(360)	[0.036224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-13 64 - 66			NONE BG CAN97-BG-01 0 - 2		
Benzo(a)pyrene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Benzo(b)fluoranthene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Benzo(g,h,i)perylene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Benzo(k)fluoranthene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Benzoic acid	ND	(1700)	[0.033937]	ND	(1700)	[0.034013]	ND	(1800)	[0.035138]	ND	(1800)	[0.036224]
Benzyl alcohol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Butylbenzylphthalate	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Chrysene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	96 J	(360)	[0.036224]
Cyclohexanone	140	(0)	[0.033937]	NA			NA			NA		
Cyclohexenol	240	(0)	[0.033937]	NA			950	(0)	[0.035138]	NA		
Cyclohexenone B	NA			NA			NA			220	(0)	[0.036224]
Di-n-octylphthalate	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Dibenz(a,h)anthracene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Dibenz(a,j)acridine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Dibenzofuran	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Dibutylphthalate	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Diethylphthalate	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Dimethylphenethylamine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Dimethylphthalate	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Diphenylamine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Ethyl methanesulfonate	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Fluoranthene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	290 J	(360)	[0.036224]
Fluorene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	64 J	(360)	[0.036224]
Hexachlorobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Hexachlorobutadiene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Hexachlorocyclopentadiene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Hexachloroethane	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Indeno(1,2,3-cd)pyrene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Isophorone	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-13 64 - 66			NONE BG CAN97-BG-01 0 - 2		
Methyl methanesulfonate	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
N-Nitroso-di-n-butylamine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
N-Nitrosodimethylamine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
N-Nitrosodiphenylamine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
N-Nitrosodipropylamine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
N-Nitrosopiperidine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Naphthalene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Nitrobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Pentachlorobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Pentachloronitrobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Pentachlorophenol	ND	(1700)	[0.033937]	ND	(1700)	[0.034013]	ND	(1800)	[0.035138]	ND	(1800)	[0.036224]
Phenacetin	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Phenanthrene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	430 @	(360)	[0.036224]
Phenol	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Pronamide	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Pyrene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	270 J	(360)	[0.036224]
Pyridine	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
Trichloropropene(s)	NA			340	(0)	[0.034013]	140	(0)	[0.035138]	NA		
Unknown	510	(0)	[0.033937]	540	(0)	[0.034013]	320	(0)	[0.035138]	580	(0)	[0.036224]
Unknown alkene	41000	(0)	[0.033937]	44000	(0)	[0.034013]	NA			NA		
Unknown cyclic ether	NA			NA			700	(0)	[0.035138]	NA		
Unknown cyclic ether B	1200	(0)	[0.033937]	240	(0)	[0.034013]	NA			360	(0)	[0.036224]
bis(2-Chloroethoxy)methane	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
bis(2-Chloroethyl)ether	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
bis(2-Chloroisopropyl)ether	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
bis(2-Ethylhexyl)phthalate	28 J	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	92 J	(360)	[0.036224]
p-Chloroaniline	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]
p-Dimethylaminoazobenzene	ND	(340)	[0.033937]	ND	(340)	[0.034013]	ND	(350)	[0.035138]	ND	(360)	[0.036224]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	ND	(26)	[5.272882]	ND	(26)	[5:239579]	ND	(26)	[5.277810]	ND	(27)	[5.391480]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			ND	(31)	[102]	ND	(31)	[103]	NA		
Diesel (2)	NA			7900 GB@	(2600)	[52.35602]	6200 GB@	(2600)	[52.63157]	NA		
Ethylbenzene (2)	NA			ND	(31)	[102]	ND	(31)	[103]	NA		
Gasoline (2)	NA			ND	(5100)	[102]	ND	(5200)	[103]	NA		
Jet fuel (2)	NA			ND	(5200)	[52.35602]	ND	(5300)	[52.63157]	NA		
Kerosene (2)	NA			ND	(5200)	[52.35602]	ND	(5300)	[52.63157]	NA		
Toluene (2)	NA			ND	(31)	[102]	ND	(31)	[103]	NA		
Xylenes (total) (2)	NA			ND	(51)	[102]	ND	(52)	[103]	NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
4,4'-DDE	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
4,4'-DDT	ND	(0.71)	[35.31073]	ND	(0.7)	[35.07541]	ND	(0.7)	[35.24850]	ND	(0.72)	[35.93244]
Aldrin	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
Chlordane	ND	(1.8)	[35.31073]	ND	(1.8)	[35.07541]	ND	(1.8)	[35.24850]	ND	(1.8)	[35.93244]
Dieldrin	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
Endosulfan I	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
Endosulfan II	ND	(1.1)	[35.31073]	ND	(1.1)	[35.07541]	ND	(1.1)	[35.24850]	ND	(1.1)	[35.93244]
Endosulfan Sulfate	ND	(1.8)	[35.31073]	ND	(1.8)	[35.07541]	ND	(1.8)	[35.24850]	ND	(1.8)	[35.93244]
Endrin	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
Endrin Aldehyde	ND	(0.71)	[35.31073]	ND	(0.7)	[35.07541]	ND	(0.7)	[35.24850]	ND	(0.72)	[35.93244]
Endrin Ketone	ND	(1.8)	[35.31073]	ND	(1.8)	[35.07541]	ND	(1.8)	[35.24850]	ND	(1.8)	[35.93244]
Heptachlor	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
Heptachlor epoxide	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
Methoxychlor	ND	(1.8)	[35.31073]	ND	(1.8)	[35.07541]	ND	(1.8)	[35.24850]	ND	(1.8)	[35.93244]
PCB-1016	ND	(3.5)	[35.31073]	ND	(3.5)	[35.07541]	ND	(3.5)	[35.24850]	ND	(3.6)	[35.93244]
PCB-1221	ND	(7.1)	[35.31073]	ND	(7)	[35.07541]	ND	(7)	[35.24850]	ND	(7.2)	[35.93244]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
PCB-1232	ND	(7.1)	[35.31073]	ND	(7)	[35.07541]	ND	(7)	[35.24850]	ND	(7.2)	[35.93244]
PCB-1242	ND	(3.5)	[35.31073]	ND	(3.5)	[35.07541]	ND	(3.5)	[35.24850]	ND	(3.6)	[35.93244]
PCB-1248	ND	(3.5)	[35.31073]	ND	(3.5)	[35.07541]	ND	(3.5)	[35.24850]	ND	(3.6)	[35.93244]
PCB-1254	ND	(7.1)	[35.31073]	ND	(7)	[35.07541]	ND	(7)	[35.24850]	ND	(7.2)	[35.93244]
PCB-1260	ND	(7.1)	[35.31073]	ND	(7)	[35.07541]	ND	(7)	[35.24850]	ND	(7.2)	[35.93244]
Toxaphene	ND	(18)	[35.31073]	ND	(18)	[35.07541]	ND	(18)	[35.24850]	ND	(18)	[35.93244]
alpha-BHC	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
beta-BHC	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
delta-BHC	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
gamma-BHC	ND	(0.35)	[35.31073]	ND	(0.35)	[35.07541]	ND	(0.35)	[35.24850]	ND	(0.36)	[35.93244]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			ND	(7)	[34.9406]	ND	(7)	[35.22367]	NA		
2,4,5-TP (Silvex)	NA			ND	(5.9)	[34.9406]	ND	(6)	[35.22367]	NA		
2,4-D	NA			ND	(42)	[34.9406]	ND	(42)	[35.22367]	NA		
2,4-DB	NA			ND	(32)	[34.9406]	ND	(32)	[35.22367]	NA		
Dalapon	NA			ND	(200)	[34.9406]	ND	(200)	[35.22367]	NA		
Dicamba	NA			ND	(9.4)	[34.9406]	ND	(9.5)	[35.22367]	NA		
Dichloroprop	NA			ND	(23)	[34.9406]	ND	(23)	[35.22367]	NA		
Dinoseb	NA			ND	(5.2)	[34.9406]	ND	(5.3)	[35.22367]	NA		
MCPA	NA			ND	(8700)	[34.9406]	ND	(8800)	[35.22367]	NA		
MCPP	NA			ND	(6700)	[34.9406]	ND	(6800)	[35.22367]	NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.3)	[1.059322]	2.9 J	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
1,1,2,2-Tetrachloroethane	ND	(5.3)	[1.059322]	1.5 J	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
1,1,2-Trichloroethane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
1,1-Dichloroethane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
1,1-Dichloroethene	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
1,2,3-Trichloropropane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
1,2-Dichloroethane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.) NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
1,2-Dichloropropane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
2-Chloroethyl vinyl ether	ND	(11)	[1.059322]	ND	(11)	[1.052631]	ND	(11)	[1.058201]	ND	(11)	[1.079563]
2-Hexanone	ND	(53)	[1.059322]	ND	(53)	[1.052631]	ND	(53)	[1.058201]	ND	(54)	[1.079563]
4-Methyl-2-pentanone(MIBK)	ND	(53)	[1.059322]	ND	(53)	[1.052631]	ND	(53)	[1.058201]	ND	(54)	[1.079563]
Acetone	ND	(110)	[1.059322]	ND	(110)	[1.052631]	ND	(110)	[1.058201]	ND	(110)	[1.079563]
Acrolein	ND	(79)	[1.059322]	ND	(79)	[1.052631]	ND	(79)	[1.058201]	ND	(81)	[1.079563]
Acrylonitrile	ND	(53)	[1.059322]	ND	(53)	[1.052631]	ND	(53)	[1.058201]	ND	(54)	[1.079563]
Benzene	ND	(5.3)	[1.059322]	1.6 J	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Bromodichloromethane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Bromomethane	ND	(11)	[1.059322]	ND	(11)	[1.052631]	ND	(11)	[1.058201]	ND	(11)	[1.079563]
Carbon disulfide	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Carbon tetrachloride	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Chlorobenzene	ND	(5.3)	[1.059322]	2 J	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Chloroethane	ND	(11)	[1.059322]	ND	(11)	[1.052631]	ND	(11)	[1.058201]	ND	(11)	[1.079563]
Chloroform	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Chloromethane	ND	(11)	[1.059322]	ND	(11)	[1.052631]	ND	(11)	[1.058201]	ND	(11)	[1.079563]
Dibromochloromethane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Dibromomethane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Dichlorodifluoromethane	ND	(21)	[1.059322]	ND	(21)	[1.052631]	ND	(21)	[1.058201]	ND	(22)	[1.079563]
Ethyl acetate	7.1	()	[1.059322]	NA			15	()	[1.058201]	10	()	[1.079563]
Ethyl benzene	0.2 J	(5.3)	[1.059322]	2.4 J	(5.3)	[1.052631]	0.37 J	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Ethyl methacrylate	ND	(16)	[1.059322]	ND	(16)	[1.052631]	ND	(16)	[1.058201]	ND	(16)	[1.079563]
Iodomethane	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Methyl ethyl ketone	ND	(110)	[1.059322]	ND	(110)	[1.052631]	ND	(110)	[1.058201]	ND	(110)	[1.079563]
Methylene chloride	2.4 J	(5.3)	[1.059322]	4.1 J	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Styrene	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Tetrachloroethene	ND	(5.3)	[1.059322]	3.1 J	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Toluene	0.28 J	(5.3)	[1.059322]	2 J	(5.3)	[1.052631]	0.72 J	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Tribromomethane(Bromoform)	ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
Trichloroethene		ND	(5.3)	[1.059322]	2.3 J	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Trichlorofluoromethane		ND	(11)	[1.059322]	ND	(11)	[1.052631]	ND	(11)	[1.058201]	ND	(11)	[1.079563]
Vinyl acetate		ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
Vinyl chloride		ND	(11)	[1.059322]	ND	(11)	[1.052631]	ND	(11)	[1.058201]	ND	(11)	[1.079563]
Xylenes		0.27 J	(5.3)	[1.059322]	7.9 @	(5.3)	[1.052631]	0.81 J	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
cis-1,3-Dichloropropene		ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
trans-1,2-Dichloroethene		ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
trans-1,3-Dichloropropene		ND	(5.3)	[1.059322]	ND	(5.3)	[1.052631]	ND	(5.3)	[1.058201]	ND	(5.4)	[1.079563]
trans-1,4-Dichloro-2-butene		ND	(11)	[1.059322]	ND	(11)	[1.052631]	ND	(11)	[1.058201]	ND	(11)	[1.079563]
SW8270 - Semivolatile Organics	(ug/kg)												
1,2,4,5-Tetrachlorobenzene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
1,2,4-Trichlorobenzene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
1,2-Dichlorobenzene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
1,2-Diphenylhydrazine		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
1,3-Dichlorobenzene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
1,4-Dichlorobenzene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
1-Chloronaphthalene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
1-Naphthylamine		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2,3,4,6-Tetrachlorophenol		ND	(700)	[0.035100]	ND	(700)	[0.034994]	ND	(700)	[0.035238]	ND	(720)	[0.035842]
2,4,5-Trichlorophenol		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2,4,6-Trichlorophenol		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2,4-Dichlorophenol		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2,4-Dimethylphenol		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2,4-Dinitrophenol		ND	(1800)	[0.035100]	ND	(1700)	[0.034994]	ND	(1800)	[0.035238]	ND	(1800)	[0.035842]
2,4-Dinitrotoluene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2,6-Dichlorophenol		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2,6-Dinitrotoluene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2-Chloronaphthalene		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2-Chlorophenol		ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
2-Methylnaphthalene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2-Methylphenol(o-cresol)	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2-Naphthylamine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2-Nitroaniline	ND	(1800)	[0.035100]	ND	(1700)	[0.034994]	ND	(1800)	[0.035238]	ND	(1800)	[0.035842]
2-Nitrophenol	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
2-Picoline	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
3,3'-Dichlorobenzidine	ND	(700)	[0.035100]	ND	(700)	[0.034994]	ND	(700)	[0.035238]	ND	(720)	[0.035842]
3-Methylcholanthrene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
3-Nitroaniline	ND	(1800)	[0.035100]	ND	(1700)	[0.034994]	ND	(1800)	[0.035238]	ND	(1800)	[0.035842]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035100]	ND	(1700)	[0.034994]	ND	(1800)	[0.035238]	ND	(1800)	[0.035842]
4-Aminobiphenyl	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
4-Bromophenyl phenyl ether	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
4-Chloro-3-methylphenol	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
4-Chlorophenyl phenyl ether	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
4-Methylphenol(p-cresol)	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
4-Nitroaniline	ND	(1800)	[0.035100]	ND	(1700)	[0.034994]	ND	(1800)	[0.035238]	ND	(1800)	[0.035842]
4-Nitrophenol	ND	(1800)	[0.035100]	ND	(1700)	[0.034994]	ND	(1800)	[0.035238]	ND	(1800)	[0.035842]
7,12-Dimethylbenz(a)anthracene	ND	(880)	[0.035100]	ND	(870)	[0.034994]	ND	(880)	[0.035238]	ND	(900)	[0.035842]
Acenaphthene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Acenaphthylene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Acetophenone	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Aniline	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Anthracene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Benzidine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Benzo(a)anthracene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Benzo(a)pyrene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Benzo(b)fluoranthene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Benzo(g,h,i)perylene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Benzo(k)fluoranthene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
Benzoic acid	ND	(1800)	[0.035100]	ND	(1700)	[0.034994]	ND	(1800)	[0.035238]	ND	(1800)	[0.035842]
Benzyl alcohol	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Butylbenzylphthalate	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Chrysene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Cyclohexenol	180	(0)	[0.035100]	NA			NA			NA		
Di-n-octylphthalate	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Dibenz(a,h)anthracene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Dibenz(a,j)acridine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Dibenzofuran	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Dibutylphthalate	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Diethylphthalate	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Dimethylphenethylamine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Dimethylphthalate	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Diphenylamine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Ethyl methanesulfonate	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Fluoranthene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Fluorene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Hexachlorobenzene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Hexachlorobutadiene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Hexachlorocyclopentadiene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Hexachloroethane	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Isophorone	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Methyl methanesulfonate	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
N-Nitroso-di-n-butylamine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
N-Nitrosodimethylamine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
N-Nitrosodiphenylamine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
N-Nitrosodipropylamine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
N-Nitrosopiperidine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
Naphthalene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Nitrobenzene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Pentachlorobenzene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Pentachloronitrobenzene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Pentachlorophenol	ND	(1800)	[0.035100]	ND	(1700)	[0.034994]	ND	(1800)	[0.035238]	ND	(1800)	[0.C35842]
Phenacetin	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Phenanthrene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Phenol	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Pronamide	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Pyrene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Pyridine	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
Trichloropropene(s)	880	(0)	[0.035100]	730	(0)	[0.034994]	780	(0)	[0.035238]	720	(0)	[0.035842]
Unknown	980	(0)	[0.035100]	210	(0)	[0.034994]	840	(0)	[0.035238]	250	(0)	[0.035842]
Unknown B	210	(0)	[0.035100]	NA			350	(0)	[0.035238]	NA		
Unknown cyclic ether B	630	(0)	[0.035100]	560	(0)	[0.034994]	320	(0)	[0.035238]	570	(0)	[0.035842]
bis(2-Chloroethoxy)methane	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
bis(2-Chloroethyl)ether	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
bis(2-Ethylhexyl)phthalate	480 @	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
p-Chloroaniline	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]
p-Dimethylaminoazobenzene	ND	(350)	[0.035100]	ND	(350)	[0.034994]	ND	(350)	[0.035238]	ND	(360)	[0.035842]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	ND	(27)	[5.405849]	ND	(25)	[5.099725]	ND	(25)	[5.084245]	ND	(25)	[5.063398]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
4,4'-DDE	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
4,4'-DDT	ND	(0.72)	[36.02305]	ND	(0.68)	[34.05994]	ND	(0.68)	[33.99048]	ND	(0.68)	[33.78378]
Aldrin	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
Chlordane	ND	(1.8)	[36.02305]	ND	(1.7)	[34.05994]	ND	(1.7)	[33.99048]	ND	(1.7)	[33.78378]
Dieldrin	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
Endosulfan I	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
Endosulfan II	ND	(1.1)	[36.02305]	ND	(1)	[34.05994]	ND	(1)	[33.99048]	ND	(1)	[33.78378]
Endosulfan Sulfate	ND	(1.8)	[36.02305]	ND	(1.7)	[34.05994]	ND	(1.7)	[33.99048]	ND	(1.7)	[33.78378]
Endrin	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
Endrin Aldehyde	ND	(0.72)	[36.02305]	ND	(0.68)	[34.05994]	ND	(0.68)	[33.99048]	ND	(0.68)	[33.78378]
Endrin Ketone	ND	(1.8)	[36.02305]	ND	(1.7)	[34.05994]	ND	(1.7)	[33.99048]	ND	(1.7)	[33.78378]
Heptachlor	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
Heptachlor epoxide	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
Methoxychlor	ND	(1.8)	[36.02305]	ND	(1.7)	[34.05994]	ND	(1.7)	[33.99048]	ND	(1.7)	[33.78378]
PCB-1016	ND	(3.6)	[36.02305]	ND	(3.4)	[34.05994]	ND	(3.4)	[33.99048]	ND	(3.4)	[33.78378]
PCB-1221	ND	(7.2)	[36.02305]	ND	(6.8)	[34.05994]	ND	(6.8)	[33.99048]	ND	(6.8)	[33.78378]
PCB-1232	ND	(7.2)	[36.02305]	ND	(6.8)	[34.05994]	ND	(6.8)	[33.99048]	ND	(6.8)	[33.78378]
PCB-1242	ND	(3.6)	[36.02305]	ND	(3.4)	[34.05994]	ND	(3.4)	[33.99048]	ND	(3.4)	[33.78378]
PCB-1248	ND	(3.6)	[36.02305]	ND	(3.4)	[34.05994]	ND	(3.4)	[33.99048]	ND	(3.4)	[33.78378]
PCB-1254	ND	(7.2)	[36.02305]	ND	(6.8)	[34.05994]	ND	(6.8)	[33.99048]	ND	(6.8)	[33.78378]
PCB-1260	ND	(7.2)	[36.02305]	ND	(6.8)	[34.05994]	ND	(6.8)	[33.99048]	ND	(6.8)	[33.78378]
Toxaphene	ND	(18)	[36.02305]	ND	(17)	[34.05994]	ND	(17)	[33.99048]	ND	(17)	[33.78378]
alpha-BHC	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
beta-BHC	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
delta-BHC	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
gamma-BHC	ND	(0.36)	[36.02305]	ND	(0.34)	[34.05994]	ND	(0.34)	[33.99048]	ND	(0.34)	[33.78378]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
1,1,2-Trichloroethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
1,1-Dichloroethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
1,1-Dichloroethene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
1,2,3-Trichloropropane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
1,2-Dichloroethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
1,2-Dichloropropane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
2-Chloroethyl vinyl ether	ND	(11)	[1.081665]	ND	(10)	[1.022390]	ND	(10)	[1.020199]	ND	(10)	[1.014095]
2-Hexanone	ND	(54)	[1.081665]	ND	(51)	[1.022390]	ND	(51)	[1.020199]	ND	(51)	[1.014095]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.081665]	ND	(51)	[1.022390]	ND	(51)	[1.020199]	ND	(51)	[1.014095]
Acetone	ND	(110)	[1.081665]	ND	(100)	[1.022390]	ND	(100)	[1.020199]	ND	(100)	[1.014095]
Acrolein	ND	(81)	[1.081665]	ND	(77)	[1.022390]	ND	(77)	[1.020199]	ND	(76)	[1.014095]
Acrylonitrile	ND	(54)	[1.081665]	ND	(51)	[1.022390]	ND	(51)	[1.020199]	ND	(51)	[1.014095]
Benzene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Bromodichloromethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Bromomethane	ND	(11)	[1.081665]	ND	(10)	[1.022390]	ND	(10)	[1.020199]	ND	(10)	[1.014095]
Carbon disulfide	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Carbon tetrachloride	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Chlorobenzene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Chloroethane	ND	(11)	[1.081665]	ND	(10)	[1.022390]	ND	(10)	[1.020199]	ND	(10)	[1.014095]
Chloroform	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Chloromethane	ND	(11)	[1.081665]	ND	(10)	[1.022390]	ND	(10)	[1.020199]	ND	(10)	[1.014095]
Dibromochloromethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Dibromomethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Dichlorodifluoromethane	ND	(22)	[1.081665]	ND	(20)	[1.022390]	ND	(20)	[1.020199]	ND	(20)	[1.014095]
Ethyl acetate	6.4	()	[1.081665]	11	()	[1.022390]	29	()	[1.020199]	11	()	[1.014095]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
Ethyl benzene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Ethyl methacrylate	ND	(16)	[1.081665]	ND	(15)	[1.022390]	ND	(15)	[1.020199]	ND	(15)	[1.014095]
Iodomethane	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Methyl acetate	NA			4.7	()	[1.022390]	4.9	()	[1.020199]	5.4	()	[1.014095]
Methyl ethyl ketone	ND	(110)	[1.081665]	ND	(100)	[1.022390]	ND	(100)	[1.020199]	ND	(100)	[1.014095]
Methylene chloride	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Styrene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Tetrachloroethene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Toluene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	2.8 J	(5.1)	[1.020199]	0.83 J	(5.1)	[1.014095]
Tribromomethane(Bromoform)	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Trichloroethene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Trichlorofluoromethane	ND	(11)	[1.081665]	ND	(10)	[1.022390]	ND	(10)	[1.020199]	ND	(10)	[1.014095]
Unknown	3.6	()	[1.081665]	NA			NA			4.5	()	[1.014095]
Unknown acetate	NA			NA			NA			3.6	()	[1.014095]
Vinyl acetate	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
Vinyl chloride	ND	(11)	[1.081665]	ND	(10)	[1.022390]	ND	(10)	[1.020199]	ND	(10)	[1.014095]
Xylenes	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
cis-1,3-Dichloropropene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
trans-1,2-Dichloroethene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
trans-1,3-Dichloropropene	ND	(5.4)	[1.081665]	ND	(5.1)	[1.022390]	ND	(5.1)	[1.020199]	ND	(5.1)	[1.014095]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.081665]	ND	(10)	[1.022390]	ND	(10)	[1.020199]	ND	(10)	[1.014095]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
1,2,4-Trichlorobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
1,2-Dichlorobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
1,2-Diphenylhydrazine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
1,3-Dichlorobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
1,4-Dichlorobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
1-Chloronaphthalene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
1-Naphthylamine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.036031]	ND	(680)	[0.034056]	ND	(680)	[0.034006]	ND	(680)	[0.033803]
2,4,5-Trichlorophenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2,4,6-Trichlorophenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2,4-Dichlorophenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2,4-Dimethylphenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2,4-Dinitrophenol	ND	(1800)	[0.036031]	ND	(1700)	[0.034056]	ND	(1700)	[0.034006]	ND	(1700)	[0.033803]
2,4-Dinitrotoluene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2,6-Dichlorophenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2,6-Dinitrotoluene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2-Chloronaphthalene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2-Chlorophenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2-Methylnaphthalene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2-Methylphenol(o-cresol)	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2-Naphthylamine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2-Nitroaniline	ND	(1800)	[0.036031]	ND	(1700)	[0.034056]	ND	(1700)	[0.034006]	ND	(1700)	[0.033803]
2-Nitrophenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
2-Picoline	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
3,3'-Dichlorobenzidine	ND	(720)	[0.036031]	ND	(680)	[0.034056]	ND	(680)	[0.034006]	ND	(680)	[0.033803]
3-Methylcholanthrene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
3-Nitroaniline	ND	(1800)	[0.036031]	ND	(1700)	[0.034056]	ND	(1700)	[0.034006]	ND	(1700)	[0.033803]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.036031]	ND	(1700)	[0.034056]	ND	(1700)	[0.034006]	ND	(1700)	[0.033803]
4-Aminobiphenyl	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
4-Bromophenyl phenyl ether	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
4-Chloro-3-methylphenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
4-Chlorophenyl phenyl ether	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
4-Methylphenol(p-cresol)	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
4-Nitroaniline	ND	(1800)	[0.036031]	ND	(1700)	[0.034056]	ND	(1700)	[0.034006]	ND	(1700)	[0.033803]
4-Nitrophenol	ND	(1800)	[0.036031]	ND	(1700)	[0.034056]	ND	(1700)	[0.034006]	ND	(1700)	[0.033803]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
7,12-Dimethylbenz(a)anthracene	ND	(900)	[0.036031]	ND	(850)	[0.034056]	ND	(850)	[0.034006]	ND	(850)	[0.033803]
Acenaphthene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Acenaphthylene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Acetophenone	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Aniline	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Anthracene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Benzidine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Benzo(a)anthracene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Benzo(a)pyrene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Benzo(b)fluoranthene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Benzo(g,h,i)perylene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Benzo(k)fluoranthene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Benzoic acid	ND	(1800)	[0.036031]	ND	(1700)	[0.034056]	ND	(1700)	[0.034006]	ND	(1700)	[0.033803]
Benzyl alcohol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Butylbenzylphthalate	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Chrysene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Cyclohexenol	250	(0)	[0.036031]	170	(0)	[0.034056]	NA			NA		
Cyclohexenone B	180	(0)	[0.036031]	NA			NA			NA		
Di-n-octylphthalate	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Dibenz(a,h)anthracene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Dibenz(a,j)acridine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Dibenzofuran	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Dibutylphthalate	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Diethylphthalate	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Dimethylphenethylamine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Dimethylphthalate	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Diphenylamine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Ethyl methanesulfonate	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Fluoranthene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
Fluorene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Hexachlorobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Hexachlorobutadiene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Hexachlorocyclopentadiene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Hexachloroethane	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Isophorone	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Methyl methanesulfonate	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
N-Nitroso-di-n-butylamine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
N-Nitrosodimethylamine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
N-Nitrosodiphenylamine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
N-Nitrosodipropylamine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
N-Nitrosopiperidine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Naphthalene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Nitrobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Pentachlorobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Pentachloronitrobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Pentachlorophenol	ND	(1800)	[0.036031]	ND	(1700)	[0.034056]	ND	(1700)	[0.034006]	ND	(1700)	[0.033803]
Phenacetin	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Phenanthrene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Phenol	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Pronamide	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Pyrene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Pyridine	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
Trichloropropene(s)	470	(0)	[0.036031]	850	(0)	[0.034056]	650	(0)	[0.034006]	NA		
Unknown	180	(0)	[0.036031]	170	(0)	[0.034056]	990	(0)	[0.034006]	370	(0)	[0.033803]
Unknown B	320	(0)	[0.036031]	NA			NA			NA		
Unknown cyclic ether B	1200	(0)	[0.036031]	610	(0)	[0.034056]	540	(0)	[0.034006]	440	(0)	[0.033803]
bis(2-Chloroethoxy)methane	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.) NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
bis(2-Chloroethyl)ether	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
bis(2-Ethylhexyl)phthalate	32 J	(360)	[0.036031]	220 J	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
p-Chloroaniline	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]
p-Dimethylaminoazobenzene	ND	(360)	[0.036031]	ND	(340)	[0.034056]	ND	(340)	[0.034006]	ND	(340)	[0.033803]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-99 Dup of CAN97-BG-01 0 - 2			NONE BG CAN97-BG-02 4 - 6			NONE BG CAN97-BG-03 9 - 11			NONE BG CAN97-BG-04 17 - 19		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)											
Hydrocarbons	1600	(27)	[5.403609]	ND	(28)	[5.527915]	ND	(27)	[5.391925]	ND	(27) [5.400454]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)											
Benzene (2)	ND	(32)	[105]	NA			NA			NA	
Diesel (2)	36000 GB@	(27000)	[540.5405]	NA			NA			NA	
Ethylbenzene (2)	ND	(32)	[105]	NA			NA			NA	
Gasoline (2)	ND	(5200)	[105]	NA			NA			NA	
Jet fuel (2)	ND	(54000)	[540.5405]	NA			NA			NA	
Kerosene (2)	ND	(54000)	[540.5405]	NA			NA			NA	
Toluene (2)	ND	(32)	[105]	NA			NA			NA	
Xylenes (total) (2)	ND	(52)	[105]	NA			NA			NA	
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)											
4,4'-DDD	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36) [36.03603]
4,4'-DDE	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36) [36.03603]
4,4'-DDT	ND	(36)	[1805.706]	ND	(0.74)	[37.14710]	ND	(0.72)	[36.02305]	ND	(0.72) [36.03603]
Aldrin	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36) [36.03603]
Chlordane	ND	(90)	[1805.706]	ND	(1.9)	[37.14710]	ND	(1.8)	[36.02305]	ND	(1.8) [36.03603]
Dieldrin	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36) [36.03603]
Endosulfan I	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36) [36.03603]
Endosulfan II	ND	(54)	[1805.706]	ND	(1.1)	[37.14710]	ND	(1.1)	[36.02305]	ND	(1.1) [36.03603]
Endosulfan Sulfate	ND	(90)	[1805.706]	ND	(1.9)	[37.14710]	ND	(1.8)	[36.02305]	ND	(1.8) [36.03603]
Endrin	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36) [36.03603]
Endrin Aldehyde	ND	(36)	[1805.706]	ND	(0.74)	[37.14710]	ND	(0.72)	[36.02305]	ND	(0.72) [36.03603]
Endrin Ketone	ND	(90)	[1805.706]	ND	(1.9)	[37.14710]	ND	(1.8)	[36.02305]	ND	(1.8) [36.03603]
Heptachlor	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36) [36.03603]
Heptachlor epoxide	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36) [36.03603]
Methoxychlor	ND	(90)	[1805.706]	ND	(1.9)	[37.14710]	ND	(1.8)	[36.02305]	ND	(1.8) [36.03603]
PCB-1016	ND	(180)	[1805.706]	ND	(3.7)	[37.14710]	ND	(3.6)	[36.02305]	ND	(3.6) [36.03603]
PCB-1221	ND	(360)	[1805.706]	ND	(7.4)	[37.14710]	ND	(7.2)	[36.02305]	ND	(7.2) [36.03603]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-99 Dup of CAN97-BG-01 0 - 2			NONE BG CAN97-BG-02 4 - 6			NONE BG CAN97-BG-03 9 - 11			NONE BG CAN97-BG-04 17 - 19		
PCB-1232	ND	(360)	[1805.706]	ND	(7.4)	[37.14710]	ND	(7.2)	[36.02305]	ND	(7.2)	[36.03603]
PCB-1242	ND	(180)	[1805.706]	ND	(3.7)	[37.14710]	ND	(3.6)	[36.02305]	ND	(3.6)	[36.03603]
PCB-1248	ND	(180)	[1805.706]	ND	(3.7)	[37.14710]	ND	(3.6)	[36.02305]	ND	(3.6)	[36.03603]
PCB-1254	ND	(360)	[1805.706]	ND	(7.4)	[37.14710]	ND	(7.2)	[36.02305]	ND	(7.2)	[36.03603]
PCB-1260	ND	(360)	[1805.706]	ND	(7.4)	[37.14710]	ND	(7.2)	[36.02305]	ND	(7.2)	[36.03603]
Toxaphene	ND	(900)	[1805.706]	ND	(19)	[37.14710]	ND	(18)	[36.02305]	ND	(18)	[36.03603]
alpha-BHC	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36)	[36.03603]
beta-BHC	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36)	[36.03603]
delta-BHC	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36)	[36.03603]
gamma-BHC	ND	(18)	[1805.706]	ND	(0.37)	[37.14710]	ND	(0.36)	[36.02305]	ND	(0.36)	[36.03603]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.2)	[36.11412]	NA			NA			NA		
2,4,5-TP (Silvex)	4.9 J	(6.1)	[36.11412]	NA			NA			NA		
2,4-D	ND	(43)	[36.11412]	NA			NA			NA		
2,4-DB	ND	(33)	[36.11412]	NA			NA			NA		
Dalapon	ND	(210)	[36.11412]	NA			NA			NA		
Dicamba	ND	(9.8)	[36.11412]	NA			NA			NA		
Dichloroprop	ND	(23)	[36.11412]	NA			NA			NA		
Dinoseb	ND	(5.4)	[36.11412]	NA			NA			NA		
MCPA	ND	(9000)	[36.11412]	NA			NA			NA		
MCPP	5800 J	(6900)	[36.11412]	NA			NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
1,1,2-Trichloroethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
1,1-Dichloroethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
1,1-Dichloroethene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
1,2,3-Trichloropropane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
1,2-Dichloroethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.) NONE BG CAN97-BG-99 Dup of CAN97-BG-01 0 - 2			NONE BG CAN97-BG-02 4 - 6			NONE BG CAN97-BG-03 9 - 11			NONE BG CAN97-BG-04 17 - 19		
1,2-Dichloropropane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
2-Chloroethyl vinyl ether	ND	(11)	[1.083658]	ND	(11)	[1.116071]	ND	(11)	[1.081314]	ND	(11)	[1.081665]
2-Hexanone	ND	(54)	[1.083658]	ND	(56)	[1.116071]	ND	(54)	[1.081314]	ND	(54)	[1.081665]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.083658]	ND	(56)	[1.116071]	ND	(54)	[1.081314]	ND	(54)	[1.081665]
Acetone	ND	(110)	[1.083658]	ND	(110)	[1.116071]	ND	(110)	[1.081314]	ND	(110)	[1.081665]
Acrolein	ND	(81)	[1.083658]	ND	(84)	[1.116071]	ND	(81)	[1.081314]	ND	(81)	[1.081665]
Acrylonitrile	ND	(54)	[1.083658]	ND	(56)	[1.116071]	ND	(54)	[1.081314]	ND	(54)	[1.081665]
Benzene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Bromodichloromethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Bromomethane	ND	(11)	[1.083658]	ND	(11)	[1.116071]	ND	(11)	[1.081314]	ND	(11)	[1.081665]
Carbon disulfide	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Carbon tetrachloride	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Chlorobenzene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Chloroethane	ND	(11)	[1.083658]	ND	(11)	[1.116071]	ND	(11)	[1.081314]	ND	(11)	[1.081665]
Chloroform	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Chloromethane	ND	(11)	[1.083658]	ND	(11)	[1.116071]	ND	(11)	[1.081314]	ND	(11)	[1.081665]
Dibromochloromethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Dibromomethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Dichlorodifluoromethane	ND	(22)	[1.083658]	ND	(22)	[1.116071]	ND	(22)	[1.081314]	ND	(22)	[1.081665]
Ethyl benzene	0.44 J	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Ethyl methacrylate	ND	(16)	[1.083658]	ND	(17)	[1.116071]	ND	(16)	[1.081314]	ND	(16)	[1.081665]
Iodomethane	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Methyl ethyl ketone	ND	(110)	[1.083658]	ND	(110)	[1.116071]	ND	(110)	[1.081314]	ND	(110)	[1.081665]
Methylene chloride	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Styrene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Tetrachloroethene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Toluene	8.8 @	(5.4)	[1.083658]	0.44 J	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Tribromomethane(Bromoform)	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Trichloroethene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-99 Dup of CAN97-BG-01 0 - 2			NONE BG CAN97-BG-02 4 - 6			NONE BG CAN97-BG-03 9 - 11			NONE BG CAN97-BG-04 17 - 19		
Trichlorofluoromethane	ND	(11)	[1.083658]	ND	(11)	[1.116071]	ND	(11)	[1.081314]	ND	(11)	[1.081665]
Unknown hydrocarbon	NA			NA			4.4	()	[1.081314]	NA		
Vinyl acetate	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
Vinyl chloride	ND	(11)	[1.083658]	ND	(11)	[1.116071]	ND	(11)	[1.081314]	ND	(11)	[1.081665]
Xylenes	0.59 J	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
cis-1,3-Dichloropropene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
trans-1,2-Dichloroethene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
trans-1,3-Dichloropropene	ND	(5.4)	[1.083658]	ND	(5.6)	[1.116071]	ND	(5.4)	[1.081314]	ND	(5.4)	[1.081665]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.083658]	ND	(11)	[1.116071]	ND	(11)	[1.081314]	ND	(11)	[1.081665]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
1,2,4-Trichlorobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
1,2-Dichlorobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
1,2-Diphenylhydrazine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
1,3-Dichlorobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
1,4-Dichlorobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
1-Chloronaphthalene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
1-Naphthylamine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.036073]	ND	(740)	[0.037005]	ND	(720)	[0.035983]	ND	(720)	[0.035888]
2,4,5-Trichlorophenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2,4,6-Trichlorophenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2,4-Dichlorophenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2,4-Dimethylphenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2,4-Dinitrophenol	ND	(1800)	[0.036073]	ND	(1900)	[0.037005]	ND	(1800)	[0.035983]	ND	(1800)	[0.035888]
2,4-Dinitrotoluene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2,6-Dichlorophenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2,6-Dinitrotoluene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2-Chloronaphthalene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2-Chlorophenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE BG CAN97-BG-99 Dup of CAN97-BG-01 0 - 2			NONE BG CAN97-BG-02 4 - 6			NONE BG CAN97-BG-03 9 - 11			NONE BG CAN97-BG-04 17 - 19		
2-Methylnaphthalene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2-Methylphenol(o-cresol)	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2-Naphthylamine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2-Nitroaniline	ND	(1800)	[0.036073]	ND	(1900)	[0.037005]	ND	(1800)	[0.035983]	ND	(1800)	[0.035888]
2-Nitrophenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
2-Picoline	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
3,3'-Dichlorobenzidine	ND	(720)	[0.036073]	ND	(740)	[0.037005]	ND	(720)	[0.035983]	ND	(720)	[0.035888]
3-Methylcholanthrene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
3-Nitroaniline	ND	(1800)	[0.036073]	ND	(1900)	[0.037005]	ND	(1800)	[0.035983]	ND	(1800)	[0.035888]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.036073]	ND	(1900)	[0.037005]	ND	(1800)	[0.035983]	ND	(1800)	[0.035888]
4-Aminobiphenyl	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
4-Bromophenyl phenyl ether	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
4-Chloro-3-methylphenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
4-Chlorophenyl phenyl ether	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
4-Methylphenol(p-cresol)	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
4-Nitroaniline	ND	(1800)	[0.036073]	ND	(1900)	[0.037005]	ND	(1800)	[0.035983]	ND	(1800)	[0.035888]
4-Nitrophenol	ND	(1800)	[0.036073]	ND	(1900)	[0.037005]	ND	(1800)	[0.035983]	ND	(1800)	[0.035888]
7,12-Dimethylbenz(a)anthracene	ND	(900)	[0.036073]	ND	(930)	[0.037005]	ND	(900)	[0.035983]	ND	(900)	[0.035888]
Acenaphthene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Acenaphthylene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Acetophenone	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Aniline	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Anthracene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Benzidine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Benzo(a)anthracene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Benzo(a)pyrene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Benzo(b)fluoranthene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Benzo(g,h,i)perylene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Benzo(k)fluoranthene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID: NONE LOCATION ID: BG SAMPLE ID: CAN97-BG-99 Dup of CAN97-BG-01 BEG. DEPTH - END DEPTH (FT.): 0 - 2			SITE ID: NONE LOCATION ID: BG SAMPLE ID: CAN97-BG-02 BEG. DEPTH - END DEPTH (FT.): 4 - 6			SITE ID: NONE LOCATION ID: BG SAMPLE ID: CAN97-BG-03 BEG. DEPTH - END DEPTH (FT.): 9 - 11			SITE ID: NONE LOCATION ID: BG SAMPLE ID: CAN97-BG-04 BEG. DEPTH - END DEPTH (FT.): 17 - 19		
Benzoic acid	ND	(1800)	[0.036073]	ND	(1900)	[0.037005]	ND	(1800)	[0.035983]	ND	(1800)	[0.035888]
Benzyl alcohol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Butylbenzylphthalate	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Chlorocyclohexanol	NA			260	(0)	[0.037005]	NA			NA		
Chrysene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Cyclohexenol	NA			NA			220	(0)	[0.035983]	NA		
Cyclohexenone B	320	(0)	[0.036073]	NA			NA			NA		
Di-n-octylphthalate	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Dibenz(a,h)anthracene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Dibenz(a,j)acridine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Dibenzofuran	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Dibutylphthalate	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Diethylphthalate	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Dimethylphenethylamine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Dimethylphthalate	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Diphenylamine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Ethyl methanesulfonate	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Fluoranthene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Fluorene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Hexachlorobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Hexachlorobutadiene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Hexachlorocyclopentadiene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Hexachloroethane	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Isophorone	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Methyl methanesulfonate	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
N-Nitroso-di-n-butylamine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
N-Nitrosodimethylamine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
N-Nitrosodiphenylamine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-99 Dup of CAN97-BG-01 0 - 2			NONE BG CAN97-BG-02 4 - 6			NONE BG CAN97-BG-03 9 - 11			NONE BG CAN97-BG-04 17 - 19		
N-Nitrosodipropylamine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
N-Nitrosopiperidine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Naphthalene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Nitrobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Pentachlorobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Pentachloronitrobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Pentachlorophenol	520 J	(1800)	[0.036073]	ND	(1900)	[0.037005]	ND	(1800)	[0.035983]	ND	(1800)	[0.035888]
Phenacetin	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Phenanthrene	34 J	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Phenol	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Pronamide	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Pyrene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Pyridine	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
Trichloropropene(s)	NA			780	(0)	[0.037005]	NA			250	(0)	[0.035888]
Unknown	220	(0)	[0.036073]	180	(0)	[0.037005]	900	(0)	[0.035983]	390	(0)	[0.035888]
Unknown alkane	220	(0)	[0.036073]	NA			NA			NA		
Unknown cyclic ether B	500	(0)	[0.036073]	700	(0)	[0.037005]	470	(0)	[0.035983]	180	(0)	[0.035888]
bis(2-Chloroethoxy)methane	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
bis(2-Chloroethyl)ether	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
bis(2-Ethylhexyl)phthalate	43 J	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
p-Chloroaniline	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]
p-Dimethylaminoazobenzene	ND	(360)	[0.036073]	ND	(370)	[0.037005]	ND	(360)	[0.035983]	ND	(360)	[0.035888]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	27 @	(27)	[5.344921]	3.7 @	(28)	[5.537098]	3.7 @	(27)	[5.411255]	6.6 @	(27)	[5.420283]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			NA			9.6 J@	(31)	[104]	NA		
Diesel (2)	NA			NA			6800 GB@	(5200)	[103.0927]	NA		
Ethylbenzene (2)	NA			NA			12 J@	(31)	[104]	NA		
Gasoline (2)	NA			NA			ND	(5200)	[104]	NA		
Jet fuel (2)	NA			NA			ND	(10000)	[103.0927]	NA		
Kerosene (2)	NA			NA			ND	(10000)	[103.0927]	NA		
Toluene (2)	NA			NA			ND	(31)	[104]	NA		
Xylenes (total) (2)	NA			NA			ND	(52)	[104]	NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	0.35 J	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
4,4'-DDE	20	(0.36)	[35.61253]	0.29 J	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
4,4'-DDT	10	(0.71)	[35.61253]	ND	(0.74)	[36.91399]	ND	(0.72)	[36.06202]	ND	(0.72)	[36.10108]
Aldrin	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
Chlordane	12	(1.8)	[35.61253]	ND	(1.8)	[36.91399]	ND	(1.8)	[36.06202]	ND	(1.8)	[36.10108]
Dieldrin	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
Endosulfan I	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
Endosulfan II	ND	(1.1)	[35.61253]	ND	(1.1)	[36.91399]	ND	(1.1)	[36.06202]	ND	(1.1)	[36.10108]
Endosulfan Sulfate	ND	(1.8)	[35.61253]	ND	(1.8)	[36.91399]	ND	(1.8)	[36.06202]	ND	(1.8)	[36.10108]
Endrin	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
Endrin Aldehyde	ND	(0.71)	[35.61253]	ND	(0.74)	[36.91399]	ND	(0.72)	[36.06202]	ND	(0.72)	[36.10108]
Endrin Ketone	ND	(1.8)	[35.61253]	ND	(1.8)	[36.91399]	ND	(1.8)	[36.06202]	ND	(1.8)	[36.10108]
Heptachlor	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
Heptachlor epoxide	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
Methoxychlor	ND	(1.8)	[35.61253]	ND	(1.8)	[36.91399]	ND	(1.8)	[36.06202]	ND	(1.8)	[36.10108]
PCB-1016	ND	(3.6)	[35.61253]	ND	(3.7)	[36.91399]	ND	(3.6)	[36.06202]	ND	(3.6)	[36.10108]
PCB-1221	ND	(7.1)	[35.61253]	ND	(7.4)	[36.91399]	ND	(7.2)	[36.06202]	ND	(7.2)	[36.10108]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
PCB-1232	ND	(7.1)	[35.61253]	ND	(7.4)	[36.91399]	ND	(7.2)	[36.06202]	ND	(7.2)	[36.10108]
PCB-1242	ND	(3.6)	[35.61253]	ND	(3.7)	[36.91399]	ND	(3.6)	[36.06202]	ND	(3.6)	[36.10108]
PCB-1248	ND	(3.6)	[35.61253]	ND	(3.7)	[36.91399]	ND	(3.6)	[36.06202]	ND	(3.6)	[36.10108]
PCB-1254	ND	(7.1)	[35.61253]	ND	(7.4)	[36.91399]	ND	(7.2)	[36.06202]	ND	(7.2)	[36.10108]
PCB-1260	ND	(7.1)	[35.61253]	ND	(7.4)	[36.91399]	ND	(7.2)	[36.06202]	ND	(7.2)	[36.10108]
Toxaphene	ND	(18)	[35.61253]	ND	(18)	[36.91399]	ND	(18)	[36.06202]	ND	(18)	[36.10108]
alpha-BHC	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
beta-BHC	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
delta-BHC	ND	(0.36)	[35.61253]	0.51 G@	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
gamma-BHC	ND	(0.36)	[35.61253]	ND	(0.37)	[36.91399]	ND	(0.36)	[36.06202]	ND	(0.36)	[36.10108]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			ND	(7.1)	[35.36067]	NA		
2,4,5-TP (Silvex)	NA			NA			ND	(6)	[35.36067]	NA		
2,4-D	NA			NA			ND	(42)	[35.36067]	NA		
2,4-DB	NA			NA			ND	(32)	[35.36067]	NA		
Dalapon	NA			NA			ND	(210)	[35.36067]	NA		
Dicamba	NA			NA			ND	(9.5)	[35.36067]	NA		
Dichloroprop	NA			NA			ND	(23)	[35.36067]	NA		
Dinoseb	NA			NA			ND	(5.3)	[35.36067]	NA		
MCPA	NA			NA			ND	(8800)	[35.36067]	NA		
MCPP	NA			NA			520 J	(6800)	[35.36067]	NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
1,1,2,2-Tetrachloroethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
1,1,2-Trichloroethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
1,1-Dichloroethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
1,1-Dichloroethene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
1,2,3-Trichloropropane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
1,2-Dichloroethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.) NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
1,2-Dichloropropane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
2-Chloroethyl vinyl ether	ND	(10)	[1.032844]	ND	(11)	[1.107419]	ND	(11)	[1.081899]	ND	(11)	[1.085069]
2-Hexanone	ND	(52)	[1.032844]	ND	(55)	[1.107419]	ND	(54)	[1.081899]	ND	(54)	[1.085069]
4-Methyl-2-pentanone(MIBK)	ND	(52)	[1.032844]	ND	(55)	[1.107419]	ND	(54)	[1.081899]	ND	(54)	[1.085069]
Acetone	ND	(100)	[1.032844]	ND	(110)	[1.107419]	ND	(110)	[1.081899]	ND	(110)	[1.085069]
Acrolein	ND	(77)	[1.032844]	ND	(83)	[1.107419]	ND	(81)	[1.081899]	ND	(81)	[1.085069]
Acrylonitrile	ND	(52)	[1.032844]	ND	(55)	[1.107419]	ND	(54)	[1.081899]	ND	(54)	[1.085069]
Benzene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Bromodichloromethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Bromomethane	ND	(10)	[1.032844]	ND	(11)	[1.107419]	ND	(11)	[1.081899]	ND	(11)	[1.085069]
Carbon disulfide	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Carbon tetrachloride	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Chlorobenzene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Chloroethane	ND	(10)	[1.032844]	ND	(11)	[1.107419]	ND	(11)	[1.081899]	ND	(11)	[1.085069]
Chloroform	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Chloromethane	ND	(10)	[1.032844]	ND	(11)	[1.107419]	ND	(11)	[1.081899]	ND	(11)	[1.085069]
Dibromochloromethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Dibromomethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Dichlorodifluoromethane	ND	(21)	[1.032844]	ND	(22)	[1.107419]	ND	(22)	[1.081899]	ND	(22)	[1.085069]
Ethyl benzene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Ethyl methacrylate	ND	(15)	[1.032844]	ND	(17)	[1.107419]	ND	(16)	[1.081899]	ND	(16)	[1.085069]
Iodomethane	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Methyl ethyl ketone	ND	(100)	[1.032844]	ND	(110)	[1.107419]	ND	(110)	[1.081899]	ND	(110)	[1.085069]
Methylene chloride	ND	(5.2)	[1.032844]	3.8 J	(5.5)	[1.107419]	3.4 J	(5.4)	[1.081899]	3.9 J	(5.4)	[1.085069]
Styrene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Tetrachloroethene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Toluene	ND	(5.2)	[1.032844]	1.9 J	(5.5)	[1.107419]	1 J	(5.4)	[1.081899]	1.8 J	(5.4)	[1.085069]
Tribromomethane(Bromoform)	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Trichloroethene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
Trichlorofluoromethane	ND	(10)	[1.032844]	ND	(11)	[1.107419]	ND	(11)	[1.081899]	ND	(11)	[1.085069]
Unknown	14	()	[1.032844]	NA			NA			NA		
Vinyl acetate	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
Vinyl chloride	ND	(10)	[1.032844]	ND	(11)	[1.107419]	ND	(11)	[1.081899]	ND	(11)	[1.085069]
Xylenes	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
cis-1,3-Dichloropropene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
trans-1,2-Dichloroethene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
trans-1,3-Dichloropropene	ND	(5.2)	[1.032844]	ND	(5.5)	[1.107419]	ND	(5.4)	[1.081899]	ND	(5.4)	[1.085069]
trans-1,4-Dichloro-2-butene	ND	(10)	[1.032844]	ND	(11)	[1.107419]	ND	(11)	[1.081899]	ND	(11)	[1.085069]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
1,2,4-Trichlorobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
1,2-Dichlorobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
1,2-Diphenylhydrazine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
1,3-Dichlorobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
1,4-Dichlorobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
1-Chloronaphthalene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
1-Naphthylamine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2,3,4,6-Tetrachlorophenol	ND	(710)	[0.035658]	ND	(740)	[0.036913]	ND	(720)	[0.036063]	ND	(720)	[0.036168]
2,4,5-Trichlorophenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2,4,6-Trichlorophenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2,4-Dichlorophenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2,4-Dimethylphenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2,4-Dinitrophenol	ND	(1800)	[0.035658]	ND	(1800)	[0.036913]	ND	(1800)	[0.036063]	ND	(1800)	[0.036168]
2,4-Dinitrotoluene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2,6-Dichlorophenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2,6-Dinitrotoluene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2-Chloronaphthalene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2-Chlorophenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
2-Methylnaphthalene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2-Methylphenol(o-cresol)	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2-Naphthylamine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2-Nitroaniline	ND	(1800)	[0.035658]	ND	(1800)	[0.036913]	ND	(1800)	[0.036063]	ND	(1800)	[0.036168]
2-Nitrophenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
2-Picoline	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
3,3'-Dichlorobenzidine	ND	(710)	[0.035658]	ND	(740)	[0.036913]	ND	(720)	[0.036063]	ND	(720)	[0.036168]
3-Methylcholanthrene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
3-Nitroaniline	ND	(1800)	[0.035658]	ND	(1800)	[0.036913]	ND	(1800)	[0.036063]	ND	(1800)	[0.036168]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035658]	ND	(1800)	[0.036913]	ND	(1800)	[0.036063]	ND	(1800)	[0.036168]
4-Aminobiphenyl	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
4-Bromophenyl phenyl ether	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
4-Chloro-3-methylphenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
4-Chlorophenyl phenyl ether	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
4-Methylphenol(p-cresol)	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
4-Nitroaniline	ND	(1800)	[0.035658]	ND	(1800)	[0.036913]	ND	(1800)	[0.036063]	ND	(1800)	[0.036168]
4-Nitrophenol	ND	(1800)	[0.035658]	ND	(1800)	[0.036913]	ND	(1800)	[0.036063]	ND	(1800)	[0.036168]
7,12-Dimethylbenz(a)anthracene	ND	(890)	[0.035658]	ND	(920)	[0.036913]	ND	(900)	[0.036063]	ND	(900)	[0.036168]
Acenaphthene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Acenaphthylene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Acetophenone	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Aniline	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Anthracene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Benzidine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Benzo(a)anthracene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Benzo(a)pyrene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Benzo(b)fluoranthene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Benzo(g,h,i)perylene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Benzo(k)fluoranthene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
Benzoic acid	ND	(1800)	[0.035658]	ND	(1800)	[0.036913]	ND	(1800)	[0.036063]	ND	(1800)	[0.036168]
Benzyl alcohol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Butylbenzylphthalate	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Chrysene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Cyclohexenol B	NA			NA			NA			220	(0)	[0.036168]
Di-n-octylphthalate	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Dibenz(a,h)anthracene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Dibenz(a,j)acridine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Dibenzofuran	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Dibutylphthalate	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Diethylphthalate	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Dimethylphenethylamine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Dimethylphthalate	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Diphenylamine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Ethyl methanesulfonate	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Fluoranthene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Fluorene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Hexachlorobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Hexachlorobutadiene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Hexachlorocyclopentadiene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Hexachloroethane	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Isophorone	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Methyl methanesulfonate	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
N-Nitroso-di-n-butylamine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
N-Nitrosodimethylamine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
N-Nitrosodiphenylamine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
N-Nitrosodipropylamine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
N-Nitrosopiperidine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
Naphthalene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Nitrobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Pentachlorobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Pentachloronitrobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Pentachlorophenol	ND	(1800)	[0.035658]	ND	(1800)	[0.036913]	ND	(1800)	[0.036063]	ND	(1800)	[0.036168]
Phenacetin	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Phenanthrene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Phenol	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Pronamide	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Pyrene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Pyridine	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
Trichloropropene B	180	(0)	[0.035658]	NA			180	(0)	[0.036063]	800	(0)	[0.036168]
Unknown	210	(0)	[0.035658]	NA			220	(0)	[0.036063]	150	(0)	[0.036168]
Unknown B	250	(0)	[0.035658]	150	(0)	[0.036913]	250	(0)	[0.036063]	NA		
Unknown aldehyde	140	(0)	[0.035658]	NA			NA			NA		
Unknown alkane	210	(0)	[0.035658]	NA			NA			NA		
Unknown carboxylic acid	360	(0)	[0.035658]	NA			NA			NA		
Unknown cyclic ether B	250	(0)	[0.035658]	260	(0)	[0.036913]	320	(0)	[0.036063]	940	(0)	[0.036168]
bis(2-Chloroethoxy)methane	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
bis(2-Chloroethyl)ether	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
bis(2-Ethylhexyl)phthalate	ND	(360)	[0.035658]	60 JB	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
p-Chloroaniline	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]
p-Dimethylaminoazobenzene	ND	(360)	[0.035658]	ND	(370)	[0.036913]	ND	(360)	[0.036063]	ND	(360)	[0.036168]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			
	NONE 09 CAN97-09-05 19 - 21	NONE 09 CAN97-09-06 24 - 26	NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26	NONE 09 CAN97-09-07 29 - 31
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)				
Hydrocarbons	3.6 @ (26) [5.291318]	1.5 @ (26) [5.299905]	7 @ (26) [5.246863]	12 @ (27) [5.405405]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)				
Benzene (2)	NA	NA	NA	ND (31) [104]
Diesel (2)	NA	NA	NA	6100 GB@ (5400) [108.1081]
Ethylbenzene (2)	NA	NA	NA	ND (31) [104]
Gasoline (2)	NA	NA	NA	ND (5200) [104]
Jet fuel (2)	NA	NA	NA	ND (11000) [108.1081]
Kerosene (2)	NA	NA	NA	ND (11000) [108.1081]
Toluene (2)	NA	NA	NA	ND (31) [104]
Xylenes (total) (2)	NA	NA	NA	ND (52) [104]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)				
4,4'-DDD	ND (0.35) [35.31073]	0.41 @ (0.35) [35.38570]	ND (0.35) [35.08771]	ND (0.36) [36.02305]
4,4'-DDE	ND (0.35) [35.31073]	1.4 @ (0.35) [35.38570]	1.6 @ (0.35) [35.08771]	ND (0.36) [36.02305]
4,4'-DDT	ND (0.71) [35.31073]	0.99 @ (0.71) [35.38570]	1 @ (0.7) [35.08771]	ND (0.72) [36.02305]
Aldrin	ND (0.35) [35.31073]	ND (0.35) [35.38570]	ND (0.35) [35.08771]	ND (0.36) [36.02305]
Chlordane	ND (1.8) [35.31073]	ND (1.8) [35.38570]	ND (1.8) [35.08771]	ND (1.8) [36.02305]
Dieldrin	ND (0.35) [35.31073]	ND (0.35) [35.38570]	ND (0.35) [35.08771]	ND (0.36) [36.02305]
Endosulfan I	ND (0.35) [35.31073]	ND (0.35) [35.38570]	ND (0.35) [35.08771]	ND (0.36) [36.02305]
Endosulfan II	ND (1.1) [35.31073]	ND (1.1) [35.38570]	ND (1.1) [35.08771]	ND (1.1) [36.02305]
Endosulfan Sulfate	ND (1.8) [35.31073]	ND (1.8) [35.38570]	ND (1.8) [35.08771]	ND (1.8) [36.02305]
Endrin	ND (0.35) [35.31073]	ND (0.35) [35.38570]	ND (0.35) [35.08771]	ND (0.36) [36.02305]
Endrin Aldehyde	ND (0.71) [35.31073]	ND (0.71) [35.38570]	ND (0.7) [35.08771]	ND (0.72) [36.02305]
Endrin Ketone	ND (1.8) [35.31073]	ND (1.8) [35.38570]	ND (1.8) [35.08771]	ND (1.8) [36.02305]
Heptachlor	ND (0.35) [35.31073]	ND (0.35) [35.38570]	ND (0.35) [35.08771]	ND (0.36) [36.02305]
Heptachlor epoxide	ND (0.35) [35.31073]	ND (0.35) [35.38570]	0.24 J (0.35) [35.08771]	ND (0.36) [36.02305]
Methoxychlor	ND (1.8) [35.31073]	ND (1.8) [35.38570]	ND (1.8) [35.08771]	ND (1.8) [36.02305]
PCB-1016	ND (3.5) [35.31073]	ND (3.5) [35.38570]	ND (3.5) [35.08771]	ND (3.6) [36.02305]
PCB-1221	ND (7.1) [35.31073]	ND (7.1) [35.38570]	ND (7) [35.08771]	ND (7.2) [36.02305]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-05 19 - 21			NONE 09 CAN97-09-06 24 - 26			NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26			NONE 09 CAN97-09-07 29 - 31		
PCB-1232	ND	(7.1)	[35.31073]	ND	(7.1)	[35.38570]	ND	(7)	[35.08771]	ND	(7.2)	[36.02305]
PCB-1242	ND	(3.5)	[35.31073]	ND	(3.5)	[35.38570]	ND	(3.5)	[35.08771]	ND	(3.6)	[36.02305]
PCB-1248	ND	(3.5)	[35.31073]	ND	(3.5)	[35.38570]	ND	(3.5)	[35.08771]	ND	(3.6)	[36.02305]
PCB-1254	ND	(7.1)	[35.31073]	ND	(7.1)	[35.38570]	ND	(7)	[35.08771]	ND	(7.2)	[36.02305]
PCB-1260	ND	(7.1)	[35.31073]	ND	(7.1)	[35.38570]	ND	(7)	[35.08771]	ND	(7.2)	[36.02305]
Toxaphene	ND	(18)	[35.31073]	ND	(18)	[35.38570]	ND	(18)	[35.08771]	ND	(18)	[36.02305]
alpha-BHC	ND	(0.35)	[35.31073]	ND	(0.35)	[35.38570]	ND	(0.35)	[35.08771]	ND	(0.36)	[36.02305]
beta-BHC	ND	(0.35)	[35.31073]	ND	(0.35)	[35.38570]	ND	(0.35)	[35.08771]	ND	(0.36)	[36.02305]
delta-BHC	ND	(0.35)	[35.31073]	ND	(0.35)	[35.38570]	ND	(0.35)	[35.08771]	ND	(0.36)	[36.02305]
gamma-BHC	ND	(0.35)	[35.31073]	ND	(0.35)	[35.38570]	ND	(0.35)	[35.08771]	ND	(0.36)	[36.02305]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			NA			ND	(7.2)	[36.01008]
2,4,5-TP (Silvex)	NA			NA			NA			ND	(6.1)	[36.01008]
2,4-D	NA			NA			NA			ND	(43)	[36.01008]
2,4-DB	NA			NA			NA			ND	(33)	[36.01008]
Dalapon	NA			NA			NA			ND	(210)	[36.01008]
Dicamba	NA			NA			NA			ND	(9.7)	[36.01008]
Dichloroprop	NA			NA			NA			12 J	(23)	[36.01008]
Dinoseb	NA			NA			NA			ND	(5.4)	[36.01008]
MCPA	NA			NA			NA			ND	(9000)	[36.01008]
MCPP	NA			NA			NA			ND	(6900)	[36.01008]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
1,1,2,2-Tetrachloroethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
1,1,2-Trichloroethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
1,1-Dichloroethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
1,1-Dichloroethene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
1,2,3-Trichloropropane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
1,2-Dichloroethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-05 19 - 21			NONE 09 CAN97-09-06 24 - 26			NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26			NONE 09 CAN97-09-07 29 - 31		
1,2-Dichloropropane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
2-Chloroethyl vinyl ether	ND	(11)	[1.059209]	ND	(11)	[1.084598]	NA			ND	(11)	[1.065757]
2-Hexanone	ND	(53)	[1.059209]	ND	(54)	[1.084598]	NA			ND	(53)	[1.065757]
4-Methyl-2-pentanone(MIBK)	ND	(53)	[1.059209]	ND	(54)	[1.084598]	NA			ND	(53)	[1.065757]
Acetone	ND	(110)	[1.059209]	ND	(110)	[1.084598]	NA			ND	(110)	[1.065757]
Acrolein	ND	(79)	[1.059209]	ND	(81)	[1.084598]	NA			ND	(80)	[1.065757]
Acrylonitrile	ND	(53)	[1.059209]	ND	(54)	[1.084598]	NA			ND	(53)	[1.065757]
Benzene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Bromodichloromethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Bromomethane	ND	(11)	[1.059209]	ND	(11)	[1.084598]	NA			ND	(11)	[1.065757]
Carbon disulfide	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Carbon tetrachloride	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Chlorobenzene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Chloroethane	ND	(11)	[1.059209]	ND	(11)	[1.084598]	NA			ND	(11)	[1.065757]
Chloroform	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Chloromethane	ND	(11)	[1.059209]	ND	(11)	[1.084598]	NA			ND	(11)	[1.065757]
Dibromochloromethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Dibromomethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Dichlorodifluoromethane	ND	(21)	[1.059209]	ND	(22)	[1.084598]	NA			ND	(21)	[1.065757]
Ethyl acetate	17	()	[1.059209]	7.6	()	[1.084598]	NA			NA		
Ethyl benzene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Ethyl methacrylate	ND	(16)	[1.059209]	ND	(16)	[1.084598]	NA			ND	(16)	[1.065757]
Iodomethane	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Methyl ethyl ketone	ND	(110)	[1.059209]	ND	(110)	[1.084598]	NA			ND	(110)	[1.065757]
Methylene chloride	3.7 J	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Styrene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Tetrachloroethene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Toluene	1.7 J	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Tribromomethane(Bromoform)	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 09 CAN97-09-05 19 - 21			NONE 09 CAN97-09-06 24 - 26			NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26			NONE 09 CAN97-09-07 29 - 31		
Trichloroethene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Trichlorofluoromethane	ND	(11)	[1.059209]	ND	(11)	[1.084598]	NA			ND	(11)	[1.065757]
Vinyl acetate	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
Vinyl chloride	ND	(11)	[1.059209]	ND	(11)	[1.084598]	NA			ND	(11)	[1.065757]
Xylenes	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
cis-1,3-Dichloropropene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
trans-1,2-Dichloroethene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
trans-1,3-Dichloropropene	ND	(5.3)	[1.059209]	ND	(5.4)	[1.084598]	NA			ND	(5.3)	[1.065757]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.059209]	ND	(11)	[1.084598]	NA			ND	(11)	[1.065757]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
1,2,4-Trichlorobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
1,2-Dichlorobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
1,2-Diphenylhydrazine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
1,3-Dichlorobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
1,4-Dichlorobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
1-Chloronaphthalene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
1-Naphthylamine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2,3,4,6-Tetrachlorophenol	ND	(710)	[0.035306]	ND	(710)	[0.035385]	ND	(700)	[0.035084]	ND	(720)	[0.036028]
2,4,5-Trichlorophenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2,4,6-Trichlorophenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2,4-Dichlorophenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2,4-Dimethylphenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2,4-Dinitrophenol	ND	(1800)	[0.035306]	ND	(1800)	[0.035385]	ND	(1800)	[0.035084]	ND	(1800)	[0.036028]
2,4-Dinitrotoluene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2,6-Dichlorophenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2,6-Dinitrotoluene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2-Chloronaphthalene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2-Chlorophenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-05 19 - 21			NONE 09 CAN97-09-06 24 - 26			NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26			NONE 09 CAN97-09-07 29 - 31		
2-Methylnaphthalene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2-Methylphenol(o-cresol)	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2-Naphthylamine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2-Nitroaniline	ND	(1800)	[0.035306]	ND	(1800)	[0.035385]	ND	(1800)	[0.035084]	ND	(1800)	[0.036028]
2-Nitrophenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
2-Picoline	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
3,3'-Dichlorobenzidine	ND	(710)	[0.035306]	ND	(710)	[0.035385]	ND	(700)	[0.035084]	ND	(720)	[0.036028]
3-Methylcholanthrene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
3-Nitroaniline	ND	(1800)	[0.035306]	ND	(1800)	[0.035385]	ND	(1800)	[0.035084]	ND	(1800)	[0.036028]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035306]	ND	(1800)	[0.035385]	ND	(1800)	[0.035084]	ND	(1800)	[0.036028]
4-Aminobiphenyl	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
4-Bromophenyl phenyl ether	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
4-Chloro-3-methylphenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
4-Chlorophenyl phenyl ether	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
4-Methylphenol(p-cresol)	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
4-Nitroaniline	ND	(1800)	[0.035306]	ND	(1800)	[0.035385]	ND	(1800)	[0.035084]	ND	(1800)	[0.036028]
4-Nitrophenol	ND	(1800)	[0.035306]	ND	(1800)	[0.035385]	ND	(1800)	[0.035084]	ND	(1800)	[0.036028]
7,12-Dimethylbenz(a)anthracene	ND	(880)	[0.035306]	ND	(880)	[0.035385]	ND	(880)	[0.035084]	ND	(900)	[0.036028]
Acenaphthene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Acenaphthylene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Acetophenone	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Aniline	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Anthracene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Benzidine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Benzo(a)anthracene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Benzo(a)pyrene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Benzo(b)fluoranthene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Benzo(g,h,i)perylene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Benzo(k)fluoranthene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-05 19 - 21			NONE 09 CAN97-09-06 24 - 26			NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26			NONE 09 CAN97-09-07 29 - 31		
Benzoic acid	ND	(1800)	[0.035306]	ND	(1800)	[0.035385]	ND	(1800)	[0.035084]	ND	(1800)	[0.036028]
Benzyl alcohol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Butylbenzylphthalate	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
C4-Tetrahydrofuran	NA			210	(0)	[0.035385]	240	(0)	[0.035084]	NA		
Chrysene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Cyclohexenol	NA			280	(0)	[0.035385]	350	(0)	[0.035084]	NA		
Cyclohexenone	NA			140	(0)	[0.035385]	NA			NA		
Di-n-octylphthalate	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Dibenz(a,h)anthracene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Dibenz(a,j)acridine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Dibenzofuran	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Dibutylphthalate	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Diethylphthalate	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Dimethylphenethylamine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Dimethylphthalate	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Diphenylamine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Ethyl methanesulfonate	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Fluoranthene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Fluorene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Hexachlorobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Hexachlorobutadiene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Hexachlorocyclopentadiene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Hexachloroethane	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Isophorone	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Methyl methanesulfonate	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
N-Nitroso-di-n-butylamine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
N-Nitrosodimethylamine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
N-Nitrosodiphenylamine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-05 19 - 21			NONE 09 CAN97-09-06 24 - 26			NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26			NONE 09 CAN97-09-07 29 - 31		
N-Nitrosodipropylamine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
N-Nitrosopiperidine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Naphthalene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Nitrobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Pentachlorobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Pentachloronitrobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Pentachlorophenol	ND	(1800)	[0.035306]	ND	(1800)	[0.035385]	ND	(1800)	[0.035084]	ND	(1800)	[0.036028]
Phenacetin	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Phenanthrene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Phenol	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Pronamide	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Pyrene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Pyridine	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
Trichloropropene B	NA			NA			NA			320	(0)	[0.036028]
Trichloropropene(s)	NA			NA			320	(0)	[0.035084]	NA		
Unknown	140	(0)	[0.035306]	640	(0)	[0.035385]	280	(0)	[0.035084]	540	(0)	[0.036028]
Unknown alkene	NA			42000	(0)	[0.035385]	46000	(0)	[0.035084]	NA		
Unknown cyclic ether B	NA			880	(0)	[0.035385]	810	(0)	[0.035084]	400	(0)	[0.036028]
bis(2-Chloroethoxy)methane	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
bis(2-Chloroethyl)ether	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
bis(2-Ethylhexyl)phthalate	ND	(350)	[0.035306]	160 J	(350)	[0.035385]	160 J	(350)	[0.035084]	ND	(360)	[0.036028]
p-Chloroaniline	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]
p-Dimethylaminoazobenzene	ND	(350)	[0.035306]	ND	(350)	[0.035385]	ND	(350)	[0.035084]	ND	(360)	[0.036028]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	3.6 @	(27)	[5.336919]	9.3 @	(27)	[5.300245]	21 @	(27)	[5.414871]	21 @	(26)	[5.252371]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			6.6 J@	(31)	[103]	NA			NA		
Diesel (2)	NA			5000 J	(5300)	[106.2699]	NA			NA		
Ethylbenzene (2)	NA			24 J@	(31)	[103]	NA			NA		
Gasoline (2)	NA			ND	(5200)	[103]	NA			NA		
Jet fuel (2)	NA			ND	(11000)	[106.2699]	NA			NA		
Kerosene (2)	NA			ND	(11000)	[106.2699]	NA			NA		
Toluene (2)	NA			21 J@	(31)	[103]	NA			NA		
Xylenes (total) (2)	NA			73 C@	(52)	[103]	NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	ND	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
4,4'-DDE	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	3	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
4,4'-DDT	ND	(0.71)	[35.62522]	ND	(0.71)	[35.42330]	ND	(0.72)	[36.11412]	ND	(0.7)	[35.03854]
Aldrin	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	ND	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
Chlordane	ND	(1.8)	[35.62522]	ND	(1.8)	[35.42330]	ND	(1.8)	[36.11412]	ND	(1.8)	[35.03854]
Dieldrin	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	ND	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
Endosulfan I	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	ND	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
Endosulfan II	ND	(1.1)	[35.62522]	ND	(1.1)	[35.42330]	ND	(1.1)	[36.11412]	ND	(1.1)	[35.03854]
Endosulfan Sulfate	ND	(1.8)	[35.62522]	ND	(1.8)	[35.42330]	ND	(1.8)	[36.11412]	ND	(1.8)	[35.03854]
Endrin	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	0.022 J	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
Endrin Aldehyde	ND	(0.71)	[35.62522]	ND	(0.71)	[35.42330]	ND	(0.72)	[36.11412]	ND	(0.7)	[35.03854]
Endrin Ketone	ND	(1.8)	[35.62522]	ND	(1.8)	[35.42330]	ND	(1.8)	[36.11412]	ND	(1.8)	[35.03854]
Heptachlor	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	ND	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
Heptachlor epoxide	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	ND	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
Methoxychlor	ND	(1.8)	[35.62522]	ND	(1.8)	[35.42330]	ND	(1.8)	[36.11412]	ND	(1.8)	[35.03854]
PCB-1016	ND	(3.6)	[35.62522]	ND	(3.5)	[35.42330]	ND	(3.6)	[36.11412]	ND	(3.5)	[35.03854]
PCB-1221	ND	(7.1)	[35.62522]	ND	(7.1)	[35.42330]	ND	(7.2)	[36.11412]	ND	(7)	[35.03854]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.) NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
PCB-1232	ND	(7.1)	[35.62522]	ND	(7.1)	[35.42330]	ND	(7.2)	[36.11412]	ND	(7)	[35.03854]
PCB-1242	ND	(3.6)	[35.62522]	ND	(3.5)	[35.42330]	ND	(3.6)	[36.11412]	ND	(3.5)	[35.03854]
PCB-1248	ND	(3.6)	[35.62522]	ND	(3.5)	[35.42330]	ND	(3.6)	[36.11412]	ND	(3.5)	[35.03854]
PCB-1254	ND	(7.1)	[35.62522]	ND	(7.1)	[35.42330]	ND	(7.2)	[36.11412]	ND	(7)	[35.03854]
PCB-1260	ND	(7.1)	[35.62522]	ND	(7.1)	[35.42330]	ND	(7.2)	[36.11412]	ND	(7)	[35.03854]
Toxaphene	ND	(18)	[35.62522]	ND	(18)	[35.42330]	ND	(18)	[36.11412]	ND	(18)	[35.03854]
alpha-BHC	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	ND	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
beta-BHC	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	ND	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
delta-BHC	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	0.41 G@	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
gamma-BHC	ND	(0.36)	[35.62522]	ND	(0.35)	[35.42330]	0.28 J	(0.36)	[36.11412]	ND	(0.35)	[35.03854]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			ND	(7.1)	[35.41076]	NA			NA		
2,4,5-TP (Silvex)	NA			ND	(6)	[35.41076]	NA			NA		
2,4-D	NA			ND	(42)	[35.41076]	NA			NA		
2,4-DB	NA			ND	(32)	[35.41076]	NA			NA		
Dalapon	NA			ND	(210)	[35.41076]	NA			NA		
Dicamba	NA			ND	(9.6)	[35.41076]	NA			NA		
Dichloroprop	NA			14 J	(23)	[35.41076]	NA			NA		
Dinoseb	NA			ND	(5.3)	[35.41076]	NA			NA		
MCPA	NA			ND	(8800)	[35.41076]	NA			NA		
MCPP	NA			ND	(6800)	[35.41076]	NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
1,1,2-Trichloroethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
1,1-Dichloroethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
1,1-Dichloroethene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
1,2,3-Trichloropropane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
1,2-Dichloroethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
1,2-Dichloropropane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
2-Chloroethyl vinyl ether	ND	(11)	[1.072156]	ND	(11)	[1.063038]	ND	(11)	[1.084128]	ND	(11)	[1.051524]
2-Hexanone	ND	(54)	[1.072156]	ND	(53)	[1.063038]	ND	(54)	[1.084128]	ND	(53)	[1.051524]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.072156]	ND	(53)	[1.063038]	ND	(54)	[1.084128]	ND	(53)	[1.051524]
Acetone	16 J	(110)	[1.072156]	10 J	(110)	[1.063038]	ND	(110)	[1.084128]	ND	(110)	[1.051524]
Acrolein	ND	(80)	[1.072156]	ND	(80)	[1.063038]	ND	(81)	[1.084128]	ND	(79)	[1.051524]
Acrylonitrile	ND	(54)	[1.072156]	ND	(53)	[1.063038]	ND	(54)	[1.084128]	ND	(53)	[1.051524]
Benzene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Bromodichloromethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Bromomethane	ND	(11)	[1.072156]	ND	(11)	[1.063038]	ND	(11)	[1.084128]	ND	(11)	[1.051524]
Carbon disulfide	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Carbon tetrachloride	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Chlorobenzene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Chloroethane	ND	(11)	[1.072156]	ND	(11)	[1.063038]	ND	(11)	[1.084128]	ND	(11)	[1.051524]
Chloroform	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Chloromethane	ND	(11)	[1.072156]	ND	(11)	[1.063038]	ND	(11)	[1.084128]	ND	(11)	[1.051524]
Decanal	5.4	()	[1.072156]	NA			NA			NA		
Dibromochloromethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Dibromomethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Dichlorodifluoromethane	ND	(21)	[1.072156]	ND	(21)	[1.063038]	ND	(22)	[1.084128]	ND	(21)	[1.051524]
Ethyl acetate	NA			27	()	[1.063038]	87	()	[1.084128]	NA		
Ethyl benzene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Ethyl methacrylate	ND	(16)	[1.072156]	ND	(16)	[1.063038]	ND	(16)	[1.084128]	ND	(16)	[1.051524]
Iodomethane	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Methyl acetate	NA			NA			13	()	[1.084128]	NA		
Methyl ethyl ketone	ND	(110)	[1.072156]	ND	(110)	[1.063038]	ND	(110)	[1.084128]	ND	(110)	[1.051524]
Methylene chloride	ND	(5.4)	[1.072156]	7.9 @	(5.3)	[1.063038]	6.8 @	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Nonanal	6.4	()	[1.072156]	NA			NA			NA		
Styrene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
Tetrachloroethene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Toluene	ND	(5.4)	[1.072156]	4.2 J	(5.3)	[1.063038]	15 @	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Tribromomethane(Bromoform)	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Trichloroethene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Trichlorofluoromethane	ND	(11)	[1.072156]	ND	(11)	[1.063038]	ND	(11)	[1.084128]	ND	(11)	[1.051524]
Unknown	18	()	[1.072156]	NA			NA			NA		
Unknown hydrocarbon	NA			6.5	()	[1.063038]	7.9	()	[1.084128]	NA		
Vinyl acetate	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
Vinyl chloride	ND	(11)	[1.072156]	ND	(11)	[1.063038]	ND	(11)	[1.084128]	ND	(11)	[1.051524]
Xylenes	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
cis-1,3-Dichloropropene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
trans-1,2-Dichloroethene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
trans-1,3-Dichloropropene	ND	(5.4)	[1.072156]	ND	(5.3)	[1.063038]	ND	(5.4)	[1.084128]	ND	(5.3)	[1.051524]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.072156]	ND	(11)	[1.063038]	ND	(11)	[1.084128]	ND	(11)	[1.051524]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
1,2,4-Trichlorobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
1,2-Dichlorobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
1,2-Diphenylhydrazine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
1,3-Dichlorobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
1,4-Dichlorobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
1-Chloronaphthalene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
1-Naphthylamine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2,3,4,6-Tetrachlorophenol	ND	(710)	[0.035662]	ND	(710)	[0.035434]	ND	(720)	[0.036149]	ND	(700)	[0.035050]
2,4,5-Trichlorophenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2,4,6-Trichlorophenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2,4-Dichlorophenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2,4-Dimethylphenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2,4-Dinitrophenol	ND	(1800)	[0.035662]	ND	(1800)	[0.035434]	ND	(1800)	[0.036149]	ND	(1800)	[0.035050]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
2,4-Dinitrotoluene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2,6-Dichlorophenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2,6-Dinitrotoluene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2-Chloronaphthalene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2-Chlorophenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2-Methylnaphthalene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2-Methylphenol(o-cresol)	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2-Naphthylamine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2-Nitroaniline	ND	(1800)	[0.035662]	ND	(1800)	[0.035434]	ND	(1800)	[0.036149]	ND	(1800)	[0.035050]
2-Nitrophenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
2-Picoline	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
3,3'-Dichlorobenzidine	ND	(710)	[0.035662]	ND	(710)	[0.035434]	ND	(720)	[0.036149]	ND	(700)	[0.035050]
3-Methylcholanthrene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
3-Nitroaniline	ND	(1800)	[0.035662]	ND	(1800)	[0.035434]	ND	(1800)	[0.036149]	ND	(1800)	[0.035050]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035662]	ND	(1800)	[0.035434]	ND	(1800)	[0.036149]	ND	(1800)	[0.035050]
4-Aminobiphenyl	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
4-Bromophenyl phenyl ether	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
4-Chloro-3-methylphenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
4-Chlorophenyl phenyl ether	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
4-Methylphenol(p-cresol)	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
4-Nitroaniline	ND	(1800)	[0.035662]	ND	(1800)	[0.035434]	ND	(1800)	[0.036149]	ND	(1800)	[0.035050]
4-Nitrophenol	ND	(1800)	[0.035662]	ND	(1800)	[0.035434]	ND	(1800)	[0.036149]	ND	(1800)	[0.035050]
7,12-Dimethylbenz(a)anthracene	ND	(890)	[0.035662]	ND	(890)	[0.035434]	ND	(900)	[0.036149]	ND	(880)	[0.035050]
Acenaphthene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Acenaphthylene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Acetophenone	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Aniline	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Anthracene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Benzidine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
Benzo(a)anthracene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Benzo(a)pyrene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Benzo(b)fluoranthene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Benzo(g,h,i)perylene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Benzo(k)fluoranthene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Benzoic acid	ND	(1800)	[0.035662]	ND	(1800)	[0.035434]	ND	(1800)	[0.036149]	ND	(1800)	[0.035050]
Benzyl alcohol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Butylbenzylphthalate	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Chrysene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Di-n-octylphthalate	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Dibenz(a,h)anthracene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Dibenz(a,j)acridine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Dibenzofuran	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Dibutylphthalate	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Diethylphthalate	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Dimethylphenethylamine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Dimethylphthalate	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Diphenylamine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Ethyl methanesulfonate	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Fluoranthene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Fluorene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Hexachlorobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Hexachlorobutadiene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Hexachlorocyclopentadiene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Hexachloroethane	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Isophorone	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Methyl methanesulfonate	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
N-Nitroso-di-n-butylamine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
N-Nitrosodimethylamine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
N-Nitrosodiphenylamine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
N-Nitrosodipropylamine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
N-Nitrosopiperidine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Naphthalene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Nitrobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Pentachlorobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Pentachloronitrobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Pentachlorophenol	ND	(1800)	[0.035662]	ND	(1800)	[0.035434]	ND	(1800)	[0.036149]	ND	(1800)	[0.035050]
Phenacetin	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Phenanthrene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Phenol	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Pronamide	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Pyrene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Pyridine	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
Unknown	NA			NA			140	(0)	[0.036149]	210	(0)	[0.035050]
Unknown B	NA			NA			NA			350	(0)	[0.035050]
Unknown cyclic ether B	NA			NA			NA			320	(0)	[0.035050]
bis(2-Chloroethoxy)methane	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
bis(2-Chloroethyl)ether	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
bis(2-Ethylhexyl)phthalate	ND	(360)	[0.035662]	35 JB	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
p-Chloroaniline	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]
p-Dimethylaminoazobenzene	ND	(360)	[0.035662]	ND	(350)	[0.035434]	ND	(360)	[0.036149]	ND	(350)	[0.035050]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6			
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)													
Hydrocarbons	3.5 @	(26)	[5.146918]	3.5 @	(26)	[5.122950]	48 @	(27)	[5.309631]	ND		(27)	[5.491307]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)													
4,4'-DDD	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	0.43	GB@	(0.37)	[36.71071]
4,4'-DDE	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	220	(3.6)	[355.1136]	0.21	J	(0.37)	[36.71071]
4,4'-DDT	ND	(0.69)	[34.35245]	ND	(0.68)	[34.10641]	110	(7.1)	[355.1136]	0.61	J	(0.73)	[36.71071]
Aldrin	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	2.1 J	(3.6)	[355.1136]	ND		(0.37)	[36.71071]
Chlordane	ND	(1.7)	[34.35245]	ND	(1.7)	[34.10641]	ND	(18)	[355.1136]	ND		(1.8)	[36.71071]
Dieldrin	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	ND		(0.37)	[36.71071]
Endosulfan I	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	ND		(0.37)	[36.71071]
Endosulfan II	ND	(1)	[34.35245]	ND	(1)	[34.10641]	ND	(11)	[355.1136]	ND		(1.1)	[36.71071]
Endosulfan Sulfate	ND	(1.7)	[34.35245]	ND	(1.7)	[34.10641]	ND	(18)	[355.1136]	ND		(1.8)	[36.71071]
Endrin	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	ND		(0.37)	[36.71071]
Endrin Aldehyde	ND	(0.69)	[34.35245]	ND	(0.68)	[34.10641]	ND	(7.1)	[355.1136]	ND		(0.73)	[36.71071]
Endrin Ketone	ND	(1.7)	[34.35245]	ND	(1.7)	[34.10641]	ND	(18)	[355.1136]	ND		(1.8)	[36.71071]
Heptachlor	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	0.11	J	(0.37)	[36.71071]
Heptachlor epoxide	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	1.8 J	(3.6)	[355.1136]	ND		(0.37)	[36.71071]
Methoxychlor	ND	(1.7)	[34.35245]	ND	(1.7)	[34.10641]	ND	(18)	[355.1136]	ND		(1.8)	[36.71071]
PCB-1016	ND	(3.4)	[34.35245]	ND	(3.4)	[34.10641]	ND	(36)	[355.1136]	ND		(3.7)	[36.71071]
PCB-1221	ND	(6.9)	[34.35245]	ND	(6.8)	[34.10641]	ND	(71)	[355.1136]	ND		(7.3)	[36.71071]
PCB-1232	ND	(6.9)	[34.35245]	ND	(6.8)	[34.10641]	ND	(71)	[355.1136]	ND		(7.3)	[36.71071]
PCB-1242	ND	(3.4)	[34.35245]	ND	(3.4)	[34.10641]	ND	(36)	[355.1136]	ND		(3.7)	[36.71071]
PCB-1248	ND	(3.4)	[34.35245]	ND	(3.4)	[34.10641]	ND	(36)	[355.1136]	ND		(3.7)	[36.71071]
PCB-1254	ND	(6.9)	[34.35245]	ND	(6.8)	[34.10641]	ND	(71)	[355.1136]	ND		(7.3)	[36.71071]
PCB-1260	ND	(6.9)	[34.35245]	ND	(6.8)	[34.10641]	ND	(71)	[355.1136]	ND		(7.3)	[36.71071]
Toxaphene	ND	(17)	[34.35245]	ND	(17)	[34.10641]	ND	(180)	[355.1136]	ND		(18)	[36.71071]
alpha-BHC	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	ND		(0.37)	[36.71071]
beta-BHC	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	ND		(0.37)	[36.71071]
delta-BHC	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	ND		(0.37)	[36.71071]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6		
gamma-BHC	ND	(0.34)	[34.35245]	ND	(0.34)	[34.10641]	ND	(3.6)	[355.1136]	ND	(0.37)	[36.71071]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
1,1,2,2-Tetrachloroethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
1,1,2-Trichloroethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
1,1-Dichloroethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
1,1-Dichloroethene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
1,2,3-Trichloropropane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
1,2-Dichloroethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
1,2-Dichloropropane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
2-Chloroethyl vinyl ether	ND	(10)	[1.030821]	ND	(10)	[1.024590]	ND	(11)	[1.067463]	ND	(11)	[1.103752]
2-Hexanone	ND	(52)	[1.030821]	ND	(51)	[1.024590]	ND	(53)	[1.067463]	ND	(55)	[1.103752]
4-Methyl-2-pentanone(MIBK)	ND	(52)	[1.030821]	ND	(51)	[1.024590]	ND	(53)	[1.067463]	ND	(55)	[1.103752]
Acetone	ND	(100)	[1.030821]	ND	(100)	[1.024590]	ND	(110)	[1.067463]	ND	(110)	[1.103752]
Acrolein	ND	(77)	[1.030821]	ND	(77)	[1.024590]	ND	(80)	[1.067463]	ND	(83)	[1.103752]
Acrylonitrile	ND	(52)	[1.030821]	ND	(51)	[1.024590]	ND	(53)	[1.067463]	ND	(55)	[1.103752]
Benzene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Bromodichloromethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Bromomethane	ND	(10)	[1.030821]	ND	(10)	[1.024590]	ND	(11)	[1.067463]	ND	(11)	[1.103752]
Carbon disulfide	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Carbon tetrachloride	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Chlorobenzene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Chloroethane	ND	(10)	[1.030821]	ND	(10)	[1.024590]	ND	(11)	[1.067463]	ND	(11)	[1.103752]
Chloroform	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Chloromethane	ND	(10)	[1.030821]	ND	(10)	[1.024590]	ND	(11)	[1.067463]	ND	(11)	[1.103752]
Dibromochloromethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Dibromomethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Dichlorodifluoromethane	ND	(21)	[1.030821]	ND	(20)	[1.024590]	ND	(21)	[1.067463]	ND	(22)	[1.103752]
Ethyl acetate	8.4	()	[1.030821]	5	()	[1.024590]	NA			NA		

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6		
Ethyl benzene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Ethyl methacrylate	ND	(15)	[1.030821]	ND	(15)	[1.024590]	ND	(16)	[1.067463]	ND	(17)	[1.103752]
Iodomethane	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Methyl ethyl ketone	ND	(100)	[1.030821]	ND	(100)	[1.024590]	ND	(110)	[1.067463]	ND	(110)	[1.103752]
Methylene chloride	ND	(5.2)	[1.030821]	3.5 J	(5.1)	[1.024590]	4.9 J	(5.3)	[1.067463]	4.9 J	(5.5)	[1.103752]
Styrene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Tetrachloroethene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Toluene	1 J	(5.2)	[1.030821]	0.73 J	(5.1)	[1.024590]	4.7 J	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Tribromomethane(Bromoform)	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Trichloroethene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Trichlorofluoromethane	ND	(10)	[1.030821]	ND	(10)	[1.024590]	ND	(11)	[1.067463]	ND	(11)	[1.103752]
Vinyl acetate	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
Vinyl chloride	ND	(10)	[1.030821]	ND	(10)	[1.024590]	ND	(11)	[1.067463]	ND	(11)	[1.103752]
Xylenes	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
cis-1,3-Dichloropropene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
trans-1,2-Dichloroethene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
trans-1,3-Dichloropropene	ND	(5.2)	[1.030821]	ND	(5.1)	[1.024590]	ND	(5.3)	[1.067463]	ND	(5.5)	[1.103752]
trans-1,4-Dichloro-2-butene	ND	(10)	[1.030821]	ND	(10)	[1.024590]	ND	(11)	[1.067463]	ND	(11)	[1.103752]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
1,2,4-Trichlorobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
1,2-Dichlorobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
1,2-Diphenylhydrazine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
1,3-Dichlorobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
1,4-Dichlorobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
1-Chloronaphthalene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
1-Naphthylamine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2,3,4,6-Tetrachlorophenol	ND	(690)	[0.034360]	ND	(680)	[0.034153]	ND	(710)	[0.035534]	ND	(730)	[0.036742]
2,4,5-Trichlorophenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6		
2,4,6-Trichlorophenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2,4-Dichlorophenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2,4-Dimethylphenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2,4-Dinitrophenol	ND	(1700)	[0.034360]	ND	(1700)	[0.034153]	ND	(1800)	[0.035534]	ND	(1800)	[0.036742]
2,4-Dinitrotoluene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2,6-Dichlorophenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2,6-Dinitrotoluene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2-Chloronaphthalene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2-Chlorophenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2-Methylnaphthalene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	37 J	(360)	[0.035534]	ND	(370)	[0.036742]
2-Methylphenol(o-cresol)	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2-Naphthylamine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2-Nitroaniline	ND	(1700)	[0.034360]	ND	(1700)	[0.034153]	ND	(1800)	[0.035534]	ND	(1800)	[0.036742]
2-Nitrophenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
2-Picoline	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
3,3'-Dichlorobenzidine	ND	(690)	[0.034360]	ND	(680)	[0.034153]	ND	(710)	[0.035534]	ND	(730)	[0.036742]
3-Methylcholanthrene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
3-Nitroaniline	ND	(1700)	[0.034360]	ND	(1700)	[0.034153]	ND	(1800)	[0.035534]	ND	(1800)	[0.036742]
4,6-Dinitro-2-methylphenol	ND	(1700)	[0.034360]	ND	(1700)	[0.034153]	ND	(1800)	[0.035534]	ND	(1800)	[0.036742]
4-Aminobiphenyl	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
4-Bromophenyl phenyl ether	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
4-Chloro-3-methylphenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
4-Chlorophenyl phenyl ether	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
4-Methylphenol(p-cresol)	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
4-Nitroaniline	ND	(1700)	[0.034360]	ND	(1700)	[0.034153]	ND	(1800)	[0.035534]	ND	(1800)	[0.036742]
4-Nitrophenol	ND	(1700)	[0.034360]	ND	(1700)	[0.034153]	ND	(1800)	[0.035534]	ND	(1800)	[0.036742]
7,12-Dimethylbenz(a)anthracene	ND	(860)	[0.034360]	ND	(850)	[0.034153]	ND	(890)	[0.035534]	ND	(920)	[0.036742]
Acenaphthene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Acenaphthylene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6		
Acetophenone	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Aniline	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Anthracene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Benzidine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Benzo(a)anthracene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	10 J	(360)	[0.035534]	ND	(370)	[0.036742]
Benzo(a)pyrene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	8.4 J	(360)	[0.035534]	ND	(370)	[0.036742]
Benzo(b)fluoranthene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	23 JX	(360)	[0.035534]	ND	(370)	[0.036742]
Benzo(g,h,i)perylene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Benzo(k)fluoranthene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	23 JX	(360)	[0.035534]	ND	(370)	[0.036742]
Benzoic acid	ND	(1700)	[0.034360]	ND	(1700)	[0.034153]	ND	(1800)	[0.035534]	ND	(1800)	[0.036742]
Benzyl alcohol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Butylbenzylphthalate	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Chrysene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	15 J	(360)	[0.035534]	ND	(370)	[0.036742]
Cycloehxenone	NA			NA			NA			290	(0)	[0.036742]
Cyclohexenol B	180	(0)	[0.034360]	NA			NA			NA		
Di-n-octylphthalate	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Dibenz(a,h)anthracene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Dibenz(a,j)acridine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Dibenzofuran	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Dibutylphthalate	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Diethylphthalate	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Dimethylphenethylamine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Dimethylphthalate	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Diphenylamine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Ethyl methanesulfonate	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Fluoranthene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	10 J	(360)	[0.035534]	ND	(370)	[0.036742]
Fluorene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Hexachlorobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Hexachlorobutadiene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6		
Hexachlorocyclopentadiene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Hexachloroethane	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Indeno(1,2,3-cd)pyrene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Isophorone	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Methyl methanesulfonate	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
N-Nitroso-di-n-butylamine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
N-Nitrosodimethylamine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
N-Nitrosodiphenylamine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
N-Nitrosodipropylamine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
N-Nitrosopiperidine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Naphthalene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	21 J	(360)	[0.035534]	ND	(370)	[0.036742]
Nitrobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Pentachlorobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Pentachloronitrobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Pentachlorophenol	ND	(1700)	[0.034360]	ND	(1700)	[0.034153]	ND	(1800)	[0.035534]	ND	(1800)	[0.036742]
Phenacetin	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Phenanthrene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	17 J	(360)	[0.035534]	ND	(370)	[0.036742]
Phenol	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Pronamide	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Pyrene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	8.7 J	(360)	[0.035534]	ND	(370)	[0.036742]
Pyridine	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
Trichloropropene B	180	(0)	[0.034360]	NA			NA			NA		
Unknown	220	(0)	[0.034360]	NA			140	(0)	[0.035534]	550	(0)	[0.036742]
Unknown alkane	NA			NA			210	(0)	[0.035534]	NA		
Unknown cyclic ether B	650	(0)	[0.034360]	NA			NA			NA		
Unknown naphthalene	NA			NA			140	(0)	[0.035534]	NA		
bis(2-Chloroethoxy)methane	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
bis(2-Chloroethyl)ether	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
bis(2-Chloroisopropyl)ether	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6		
bis(2-Ethylhexyl)phthalate	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
p-Chloroaniline	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]
p-Dimethylaminoazobenzene	ND	(340)	[0.034360]	ND	(340)	[0.034153]	ND	(360)	[0.035534]	ND	(370)	[0.036742]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 10 CAN97-10-03 9 - 11			NONE 10 CAN97-10-04 4 - 16			NONE 10 CAN97-10-05 19 - 21			NONE 10 CAN97-10-99 Dup of CAN97-10-05 19 - 21		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	ND	(27)	[5.366908]	ND	(28)	[5.509550]	ND	(28)	[5.653550]	ND	(28)	[5.617977]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	8.7 J	(32)	[106]	NA			NA			NA		
Diesel (2)	7700 GB@	(5400)	[107.7586]	NA			NA			NA		
Ethylbenzene (2)	ND	(32)	[106]	NA			NA			NA		
Gasoline (2)	ND	(5300)	[106]	NA			NA			NA		
Jet fuel (2)	ND	(11000)	[107.7586]	NA			NA			NA		
Kerosene (2)	ND	(11000)	[107.7586]	NA			NA			NA		
Toluene (2)	ND	(32)	[106]	NA			NA			NA		
Xylenes (total) (2)	6.1 J	(53)	[106]	NA			NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.36)	[35.82945]	0.4 GB@	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	0.46 GB@	(0.38)	[37.53753]
4,4'-DDE	0.082 J	(0.36)	[35.82945]	1.2 @	(0.37)	[36.71071]	0.076 J	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
4,4'-DDT	ND	(0.72)	[35.82945]	0.83 @	(0.73)	[36.71071]	0.18 J	(0.75)	[37.62227]	0.73 J	(0.75)	[37.53753]
Aldrin	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
Chlordane	ND	(1.8)	[35.82945]	ND	(1.8)	[36.71071]	ND	(1.9)	[37.62227]	ND	(1.9)	[37.53753]
Dieldrin	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
Endosulfan I	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
Endosulfan II	ND	(1.1)	[35.82945]	ND	(1.1)	[36.71071]	ND	(1.1)	[37.62227]	ND	(1.1)	[37.53753]
Endosulfan Sulfate	ND	(1.8)	[35.82945]	ND	(1.8)	[36.71071]	ND	(1.9)	[37.62227]	ND	(1.9)	[37.53753]
Endrin	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	0.17 J	(0.38)	[37.53753]
Endrin Aldehyde	ND	(0.72)	[35.82945]	ND	(0.73)	[36.71071]	ND	(0.75)	[37.62227]	ND	(0.75)	[37.53753]
Endrin Ketone	ND	(1.8)	[35.82945]	ND	(1.8)	[36.71071]	ND	(1.9)	[37.62227]	ND	(1.9)	[37.53753]
Heptachlor	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	0.1 J	(0.38)	[37.53753]
Heptachlor epoxide	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
Methoxychlor	ND	(1.8)	[35.82945]	ND	(1.8)	[36.71071]	ND	(1.9)	[37.62227]	ND	(1.9)	[37.53753]
PCB-1016	ND	(3.6)	[35.82945]	ND	(3.7)	[36.71071]	ND	(3.8)	[37.62227]	ND	(3.8)	[37.53753]
PCB-1221	ND	(7.2)	[35.82945]	ND	(7.3)	[36.71071]	ND	(7.5)	[37.62227]	ND	(7.5)	[37.53753]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-03 9 - 11			NONE 10 CAN97-10-04 4 - 16			NONE 10 CAN97-10-05 19 - 21			NONE 10 CAN97-10-99 Dup of CAN97-10-05 19 - 21		
PCB-1232	ND	(7.2)	[35.82945]	ND	(7.3)	[36.71071]	ND	(7.5)	[37.62227]	ND	(7.5)	[37.53753]
PCB-1242	ND	(3.6)	[35.82945]	ND	(3.7)	[36.71071]	ND	(3.8)	[37.62227]	ND	(3.8)	[37.53753]
PCB-1248	ND	(3.6)	[35.82945]	ND	(3.7)	[36.71071]	ND	(3.8)	[37.62227]	ND	(3.8)	[37.53753]
PCB-1254	ND	(7.2)	[35.82945]	ND	(7.3)	[36.71071]	ND	(7.5)	[37.62227]	ND	(7.5)	[37.53753]
PCB-1260	ND	(7.2)	[35.82945]	ND	(7.3)	[36.71071]	ND	(7.5)	[37.62227]	ND	(7.5)	[37.53753]
Toxaphene	ND	(18)	[35.82945]	ND	(18)	[36.71071]	ND	(19)	[37.62227]	ND	(19)	[37.53753]
alpha-BHC	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
beta-BHC	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
delta-BHC	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
gamma-BHC	ND	(0.36)	[35.82945]	ND	(0.37)	[36.71071]	ND	(0.38)	[37.62227]	ND	(0.38)	[37.53753]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.2)	[35.86800]	NA			NA			NA		
2,4,5-TP (Silvex)	ND	(6.1)	[35.86800]	NA			NA			NA		
2,4-D	ND	(43)	[35.86800]	NA			NA			NA		
2,4-DB	ND	(33)	[35.86800]	NA			NA			NA		
Dalapon	ND	(210)	[35.86800]	NA			NA			NA		
Dicamba	ND	(9.7)	[35.86800]	NA			NA			NA		
Dichloroprop	3.2 J	(23)	[35.86800]	NA			NA			NA		
Dinoseb	ND	(5.4)	[35.86800]	NA			NA			NA		
MCPA	ND	(8900)	[35.86800]	NA			NA			NA		
MCPP	ND	(6900)	[35.86800]	NA			NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
1,1,2-Trichloroethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
1,1-Dichloroethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
1,1-Dichloroethene	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
1,2,3-Trichloropropane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
1,2-Dichloroethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-03 9 - 11			NONE 10 CAN97-10-04 4 - 16			NONE 10 CAN97-10-05 19 - 21			NONE 10 CAN97-10-99 Dup of CAN97-10-05 19 - 21		
1,2-Dichloropropane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
2-Chloroethyl vinyl ether	ND	(11)	[1.079097]	ND	(11)	[1.107174]	ND	(11)	[1.131221]	ND	(11)	[1.128668]
2-Hexanone	ND	(54)	[1.079097]	ND	(55)	[1.107174]	ND	(57)	[1.131221]	ND	(56)	[1.128668]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.079097]	ND	(55)	[1.107174]	ND	(57)	[1.131221]	ND	(56)	[1.128668]
Acetone	ND	(110)	[1.079097]	ND	(110)	[1.107174]	ND	(110)	[1.131221]	ND	(110)	[1.128668]
Acrolein	ND	(81)	[1.079097]	ND	(83)	[1.107174]	ND	(85)	[1.131221]	ND	(85)	[1.128668]
Acrylonitrile	ND	(54)	[1.079097]	ND	(55)	[1.107174]	ND	(57)	[1.131221]	ND	(56)	[1.128668]
Benzene	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Bromodichloromethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Bromomethane	ND	(11)	[1.079097]	ND	(11)	[1.107174]	ND	(11)	[1.131221]	ND	(11)	[1.128668]
Carbon disulfide	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Carbon tetrachloride	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Chlorobenzene	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Chloroethane	ND	(11)	[1.079097]	ND	(11)	[1.107174]	ND	(11)	[1.131221]	ND	(11)	[1.128668]
Chloroform	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Chloromethane	ND	(11)	[1.079097]	ND	(11)	[1.107174]	ND	(11)	[1.131221]	ND	(11)	[1.128668]
Dibromochloromethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Dibromomethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Dichlorodifluoromethane	ND	(22)	[1.079097]	ND	(22)	[1.107174]	ND	(23)	[1.131221]	ND	(23)	[1.128668]
Ethyl acetate	NA			NA			12	()	[1.131221]	NA		
Ethyl benzene	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Ethyl methacrylate	ND	(16)	[1.079097]	ND	(17)	[1.107174]	ND	(17)	[1.131221]	ND	(17)	[1.128668]
Iodomethane	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Methyl ethyl ketone	ND	(110)	[1.079097]	ND	(110)	[1.107174]	ND	(110)	[1.131221]	ND	(110)	[1.128668]
Methylene chloride	ND	(5.4)	[1.079097]	3.9 J	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	4 J	(5.6)	[1.128668]
Styrene	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Tetrachloroethene	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Toluene	0.63 J	(5.4)	[1.079097]	1.1 J	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]
Tribromomethane(Bromoform)	ND	(5.4)	[1.079097]	ND	(5.5)	[1.107174]	ND	(5.7)	[1.131221]	ND	(5.6)	[1.128668]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)										
	NONE	10	CAN97-10-03	9 - 11			NONE	10	CAN97-10-04	4 - 16			NONE	10	CAN97-10-05	19 - 21			NONE	10	CAN97-10-99 Dup of CAN97-10-05	19 - 21		
Trichloroethene	ND	(5.4)	[1.079097]		ND	(5.5)	[1.107174]		ND	(5.7)	[1.131221]		ND	(5.6)	[1.128668]
Trichlorofluoromethane	ND	(11)	[1.079097]		ND	(11)	[1.107174]		ND	(11)	[1.131221]		ND	(11)	[1.128668]
Unknown alkane	73	()	[1.079097]		NA				NA				NA		
Vinyl acetate	ND	(5.4)	[1.079097]		ND	(5.5)	[1.107174]		ND	(5.7)	[1.131221]		ND	(5.6)	[1.128668]
Vinyl chloride	ND	(11)	[1.079097]		ND	(11)	[1.107174]		ND	(11)	[1.131221]		ND	(11)	[1.128668]
Xylenes	ND	(5.4)	[1.079097]		ND	(5.5)	[1.107174]		ND	(5.7)	[1.131221]		ND	(5.6)	[1.128668]
cis-1,3-Dichloropropene	ND	(5.4)	[1.079097]		ND	(5.5)	[1.107174]		ND	(5.7)	[1.131221]		ND	(5.6)	[1.128668]
trans-1,2-Dichloroethene	ND	(5.4)	[1.079097]		ND	(5.5)	[1.107174]		ND	(5.7)	[1.131221]		ND	(5.6)	[1.128668]
trans-1,3-Dichloropropene	ND	(5.4)	[1.079097]		ND	(5.5)	[1.107174]		ND	(5.7)	[1.131221]		ND	(5.6)	[1.128668]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.079097]		ND	(11)	[1.107174]		ND	(11)	[1.131221]		ND	(11)	[1.128668]
SW8270 - Semivolatile Organics (ug/kg)																								
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
1,2,4-Trichlorobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
1,2-Dichlorobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
1,2-Diphenylhydrazine	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
1,3-Dichlorobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
1,4-Dichlorobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
1-Chloronaphthalene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
1-Naphthylamine	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.03591]		ND	(740)	[0.036893]		ND	(750)	[0.037694]		ND	(750)	[0.037609]
2,4,5-Trichlorophenol	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
2,4,6-Trichlorophenol	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
2,4-Dichlorophenol	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
2,4-Dimethylphenol	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
2,4-Dinitrophenol	ND	(1800)	[0.03591]		ND	(1800)	[0.036893]		ND	(1900)	[0.037694]		ND	(1900)	[0.037609]
2,4-Dinitrotoluene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
2,6-Dichlorophenol	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
2,6-Dinitrotoluene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]
2-Chloronaphthalene	ND	(360)	[0.03591]		ND	(370)	[0.036893]		ND	(380)	[0.037694]		ND	(380)	[0.037609]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-03 9 - 11			NONE 10 CAN97-10-04 4 - 16			NONE 10 CAN97-10-05 19 - 21			NONE 10 CAN97-10-99 Dup of CAN97-10-05 19 - 21		
2-Chlorophenol	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
2-Methylnaphthalene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
2-Methylphenol(o-cresol)	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
2-Naphthylamine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
2-Nitroaniline	ND	(1800)	[0.03591]	ND	(1800)	[0.036893]	ND	(1900)	[0.037694]	ND	(1900)	[0.037609]
2-Nitrophenol	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
2-Picoline	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
3,3'-Dichlorobenzidine	ND	(720)	[0.03591]	ND	(740)	[0.036893]	ND	(750)	[0.037694]	ND	(750)	[0.C37609]
3-Methylcholanthrene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
3-Nitroaniline	ND	(1800)	[0.03591]	ND	(1800)	[0.036893]	ND	(1900)	[0.037694]	ND	(1900)	[0.037609]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.03591]	ND	(1800)	[0.036893]	ND	(1900)	[0.037694]	ND	(1900)	[0.037609]
4-Aminobiphenyl	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
4-Bromophenyl phenyl ether	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
4-Chloro-3-methylphenol	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
4-Chlorophenyl phenyl ether	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
4-Methylphenol(p-cresol)	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
4-Nitroaniline	ND	(1800)	[0.03591]	ND	(1800)	[0.036893]	ND	(1900)	[0.037694]	ND	(1900)	[0.037609]
4-Nitrophenol	ND	(1800)	[0.03591]	ND	(1800)	[0.036893]	ND	(1900)	[0.037694]	ND	(1900)	[0.037609]
7,12-Dimethylbenz(a)anthracene	ND	(900)	[0.03591]	ND	(920)	[0.036893]	ND	(940)	[0.037694]	ND	(940)	[0.037609]
Acenaphthene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Acenaphthylene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Acetophenone	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Aniline	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Anthracene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Benzidine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Benzo(a)anthracene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Benzo(a)pyrene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Benzo(b)fluoranthene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Benzo(g,h,i)perylene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 10 CAN97-10-03 9 - 11			NONE 10 CAN97-10-04 4 - 16			NONE 10 CAN97-10-05 19 - 21			NONE 10 CAN97-10-99 Dup of CAN97-10-05 19 - 21		
Benzo(k)fluoranthene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Benzoic acid	ND	(1800)	[0.03591]	ND	(1800)	[0.036893]	ND	(1900)	[0.037694]	ND	(1900)	[0.037609]
Benzyl alcohol	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Butylbenzylphthalate	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Chrysene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Cyclohexenone	NA			NA			190	(0)	[0.037694]	NA		
Di-n-octylphthalate	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Dibenz(a,h)anthracene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Dibenz(a,j)acridine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Dibenzofuran	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Dibutylphthalate	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Diethylphthalate	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Dimethylphenethylamine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Dimethylphthalate	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Diphenylamine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Ethyl methanesulfonate	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Fluoranthene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Fluorene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Hexachlorobenzene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Hexachlorobutadiene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Hexachlorocyclopentadiene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Hexachloroethane	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Isophorone	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
Methyl methanesulfonate	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
N-Nitroso-di-n-butylamine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
N-Nitrosodimethylamine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
N-Nitrosodiphenylamine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]
N-Nitrosodipropylamine	ND	(360)	[0.03591]	ND	(370)	[0.036893]	ND	(380)	[0.037694]	ND	(380)	[0.037609]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)								
	NONE	10	CAN97-10-03	9 - 11			NONE	10	CAN97-10-04	4 - 16		
N-Nitrosopiperidine	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Naphthalene	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Nitrobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Pentachlorobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Pentachloronitrobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Pentachlorophenol	ND	(1800)	[0.03591]		ND	(1800)	[0.036893]					
Phenacetin	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Phenanthrene	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Phenol	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Pronamide	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Pyrene	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Pyridine	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
Unknown	360	(0)	[0.03591]		180	(0)	[0.036893]					
Unknown trichloropropene	290	(0)	[0.03591]		NA							
bis(2-Chloroethoxy)methane	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
bis(2-Chloroethyl)ether	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
bis(2-Chloroisopropyl)ether	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
bis(2-Ethylhexyl)phthalate	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
p-Chloroaniline	ND	(360)	[0.03591]		ND	(370)	[0.036893]					
p-Dimethylaminoazobenzene	ND	(360)	[0.03591]		ND	(370)	[0.036893]					

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)								
	NONE	10	CAN97-10-05	19 - 21			NONE	10	CAN97-10-99 Dup of CAN97-10-05	19 - 21		
N-Nitrosopiperidine	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Naphthalene	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Nitrobenzene	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Pentachlorobenzene	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Pentachloronitrobenzene	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Pentachlorophenol	ND	(1900)	[0.037694]		ND	(1900)	[0.037609]					
Phenacetin	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Phenanthrene	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Phenol	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Pronamide	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Pyrene	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Pyridine	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
Unknown	190	(0)	[0.037694]		340	(0)	[0.037609]					
Unknown trichloropropene	NA				NA							
bis(2-Chloroethoxy)methane	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
bis(2-Chloroethyl)ether	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
bis(2-Chloroisopropyl)ether	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
bis(2-Ethylhexyl)phthalate	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
p-Chloroaniline	ND	(380)	[0.037694]		ND	(380)	[0.037609]					
p-Dimethylaminoazobenzene	ND	(380)	[0.037694]		ND	(380)	[0.037609]					

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 10 CAN97-10-06 24 - 26				NONE 10 CAN97-10-07 29 - 31				NONE 10 CAN97-10-08 34 - 36				NONE 10 CAN97-10-09 39 - 41		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)															
Hydrocarbons	ND	(28)	[5.617977]		ND	(27)	[5.302226]		ND	(27)	[5.320988]		ND	(26)	[5.285412]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)															
Benzene (2)	5.6 J	(32)	[107]		NA				8.1 J	(31)	[104]		NA		
Diesel (2)	5200 J	(5600)	[111.6071]		NA				8600 GB@	(5300)	[106.7235]		NA		
Ethylbenzene (2)	16 J	(32)	[107]		NA				ND	(31)	[104]		NA		
Gasoline (2)	ND	(5400)	[107]		NA				ND	(5200)	[104]		NA		
Jet fuel (2)	ND	(11000)	[111.6071]		NA				ND	(11000)	[106.7235]		NA		
Kerosene (2)	ND	(11000)	[111.6071]		NA				ND	(11000)	[106.7235]		NA		
Toluene (2)	16 J	(32)	[107]		NA				ND	(31)	[104]		NA		
Xylenes (total) (2)	42 J	(54)	[107]		NA				7.8 J	(52)	[104]		NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)															
4,4'-DDD	ND	(0.37)	[37.05075]		0.39 B@	(0.35)	[35.17411]		0.39 GB@	(0.36)	[35.54923]		0.38 B@	(0.35)	[35.08771]
4,4'-DDE	0.68 @	(0.37)	[37.05075]		ND	(0.35)	[35.17411]		ND	(0.36)	[35.54923]		ND	(0.35)	[35.08771]
4,4'-DDT	0.34 J	(0.74)	[37.05075]		0.17 J	(0.7)	[35.17411]		0.42 J	(0.71)	[35.54923]		ND	(0.7)	[35.08771]
Aldrin	ND	(0.37)	[37.05075]		ND	(0.35)	[35.17411]		ND	(0.36)	[35.54923]		ND	(0.35)	[35.08771]
Chlordane	ND	(1.9)	[37.05075]		ND	(1.8)	[35.17411]		ND	(1.8)	[35.54923]		ND	(1.8)	[35.08771]
Dieldrin	ND	(0.37)	[37.05075]		ND	(0.35)	[35.17411]		ND	(0.36)	[35.54923]		ND	(0.35)	[35.08771]
Endosulfan I	ND	(0.37)	[37.05075]		ND	(0.35)	[35.17411]		ND	(0.36)	[35.54923]		ND	(0.35)	[35.08771]
Endosulfan II	ND	(1.1)	[37.05075]		ND	(1.1)	[35.17411]		ND	(1.1)	[35.54923]		ND	(1.1)	[35.08771]
Endosulfan Sulfate	ND	(1.9)	[37.05075]		ND	(1.8)	[35.17411]		ND	(1.8)	[35.54923]		ND	(1.8)	[35.08771]
Endrin	ND	(0.37)	[37.05075]		ND	(0.35)	[35.17411]		ND	(0.36)	[35.54923]		ND	(0.35)	[35.08771]
Endrin Aldehyde	ND	(0.74)	[37.05075]		ND	(0.7)	[35.17411]		ND	(0.71)	[35.54923]		ND	(0.7)	[35.08771]
Endrin Ketone	ND	(1.9)	[37.05075]		ND	(1.8)	[35.17411]		ND	(1.8)	[35.54923]		ND	(1.8)	[35.08771]
Heptachlor	ND	(0.37)	[37.05075]		ND	(0.35)	[35.17411]		ND	(0.36)	[35.54923]		ND	(0.35)	[35.08771]
Heptachlor epoxide	0.34 J	(0.37)	[37.05075]		ND	(0.35)	[35.17411]		ND	(0.36)	[35.54923]		ND	(0.35)	[35.08771]
Methoxychlor	ND	(1.9)	[37.05075]		ND	(1.8)	[35.17411]		ND	(1.8)	[35.54923]		ND	(1.8)	[35.08771]
PCB-1016	ND	(3.7)	[37.05075]		ND	(3.5)	[35.17411]		ND	(3.6)	[35.54923]		ND	(3.5)	[35.08771]
PCB-1221	ND	(7.4)	[37.05075]		ND	(7)	[35.17411]		ND	(7.1)	[35.54923]		ND	(7)	[35.08771]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 10 CAN97-10-06 24 - 26			NONE 10 CAN97-10-07 29 - 31			NONE 10 CAN97-10-08 34 - 36			NONE 10 CAN97-10-09 39 - 41	
PCB-1232	ND	(7.4)	[37.05075]	ND	(7)	[35.17411]	ND	(7.1)	[35.54923]	ND	(7) [35.08771]
PCB-1242	ND	(3.7)	[37.05075]	ND	(3.5)	[35.17411]	ND	(3.6)	[35.54923]	ND	(3.5) [35.08771]
PCB-1248	ND	(3.7)	[37.05075]	ND	(3.5)	[35.17411]	ND	(3.6)	[35.54923]	ND	(3.5) [35.08771]
PCB-1254	ND	(7.4)	[37.05075]	ND	(7)	[35.17411]	ND	(7.1)	[35.54923]	ND	(7) [35.08771]
PCB-1260	ND	(7.4)	[37.05075]	ND	(7)	[35.17411]	ND	(7.1)	[35.54923]	ND	(7) [35.08771]
Toxaphene	ND	(19)	[37.05075]	ND	(18)	[35.17411]	ND	(18)	[35.54923]	ND	(18) [35.08771]
alpha-BHC	ND	(0.37)	[37.05075]	ND	(0.35)	[35.17411]	ND	(0.36)	[35.54923]	ND	(0.35) [35.08771]
beta-BHC	ND	(0.37)	[37.05075]	ND	(0.35)	[35.17411]	ND	(0.36)	[35.54923]	ND	(0.35) [35.08771]
delta-BHC	ND	(0.37)	[37.05075]	ND	(0.35)	[35.17411]	ND	(0.36)	[35.54923]	ND	(0.35) [35.08771]
gamma-BHC	ND	(0.37)	[37.05075]	ND	(0.35)	[35.17411]	ND	(0.36)	[35.54923]	ND	(0.35) [35.08771]
SW8150 - Chlorinated Herbicides (ug/kg)											
2,4,5-T	ND	(7.4)	[37.24394]	NA			ND	(7.1)	[35.51136]	NA	
2,4,5-TP (Silvex)	ND	(6.3)	[37.24394]	NA			ND	(6)	[35.51136]	NA	
2,4-D	ND	(45)	[37.24394]	NA			ND	(43)	[35.51136]	NA	
2,4-DB	ND	(34)	[37.24394]	NA			ND	(32)	[35.51136]	NA	
Dalapon	ND	(220)	[37.24394]	NA			ND	(210)	[35.51136]	NA	
Dicamba	ND	(10)	[37.24394]	NA			ND	(9.6)	[35.51136]	NA	
Dichloroprop	4.6 J	(24)	[37.24394]	NA			ND	(23)	[35.51136]	NA	
Dinoseb	ND	(5.6)	[37.24394]	NA			ND	(5.3)	[35.51136]	NA	
MCPA	ND	(9300)	[37.24394]	NA			ND	(8800)	[35.51136]	NA	
MCPP	ND	(7200)	[37.24394]	NA			ND	(6800)	[35.51136]	NA	
SW8240 - Volatile Organics (ug/kg)											
1,1,1-Trichloroethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3) [1.056970]
1,1,2,2-Tetrachloroethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3) [1.056970]
1,1,2-Trichloroethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3) [1.056970]
1,1-Dichloroethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3) [1.056970]
1,1-Dichloroethene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3) [1.056970]
1,2,3-Trichloropropane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3) [1.056970]
1,2-Dichloroethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3) [1.056970]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-06 24 - 26			NONE 10 CAN97-10-07 29 - 31			NONE 10 CAN97-10-08 34 - 36			NONE 10 CAN97-10-09 39 - 41		
1,2-Dichloropropane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
2-Chloroethyl vinyl ether	ND	(11)	[1.117318]	ND	(11)	[1.060895]	ND	(11)	[1.069633]	ND	(11)	[1.056970]
2-Hexanone	ND	(56)	[1.117318]	ND	(53)	[1.060895]	ND	(53)	[1.069633]	ND	(53)	[1.056970]
4-Methyl-2-pentanone(MIBK)	ND	(56)	[1.117318]	ND	(53)	[1.060895]	ND	(53)	[1.069633]	ND	(53)	[1.056970]
Acetone	ND	(110)	[1.117318]	ND	(110)	[1.060895]	ND	(110)	[1.069633]	ND	(110)	[1.056970]
Acrolein	ND	(84)	[1.117318]	ND	(80)	[1.060895]	ND	(80)	[1.069633]	ND	(79)	[1.056970]
Acrylonitrile	ND	(56)	[1.117318]	ND	(53)	[1.060895]	ND	(53)	[1.069633]	ND	(53)	[1.056970]
Benzene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	0.85 J	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Bromodichloromethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Bromomethane	ND	(11)	[1.117318]	ND	(11)	[1.060895]	ND	(11)	[1.069633]	ND	(11)	[1.056970]
Carbon disulfide	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Carbon tetrachloride	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Chlorobenzene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Chloroethane	ND	(11)	[1.117318]	ND	(11)	[1.060895]	ND	(11)	[1.069633]	ND	(11)	[1.056970]
Chloroform	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Chloromethane	ND	(11)	[1.117318]	ND	(11)	[1.060895]	ND	(11)	[1.069633]	ND	(11)	[1.056970]
Dibromochloromethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Dibromomethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Dichlorodifluoromethane	ND	(22)	[1.117318]	ND	(21)	[1.060895]	ND	(21)	[1.069633]	ND	(21)	[1.056970]
Ethyl acetate	NA			NA			9.9	()	[1.069633]	6.6	()	[1.056970]
Ethyl benzene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	0.53 J	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Ethyl methacrylate	ND	(17)	[1.117318]	ND	(16)	[1.060895]	ND	(16)	[1.069633]	ND	(16)	[1.056970]
Iodomethane	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Methyl ethyl ketone	ND	(110)	[1.117318]	ND	(110)	[1.060895]	ND	(110)	[1.069633]	ND	(110)	[1.056970]
Methylene chloride	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Styrene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Tetrachloroethene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Toluene	0.34 J	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	0.8 J	(5.3)	[1.069633]	1.2 J	(5.3)	[1.056970]
Tribromomethane(Bromoform)	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 10 CAN97-10-06 24 - 26			NONE 10 CAN97-10-07 29 - 31			NONE 10 CAN97-10-08 34 - 36			NONE 10 CAN97-10-09 39 - 41		
Trichloroethene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Trichlorofluoromethane	ND	(11)	[1.117318]	ND	(11)	[1.060895]	ND	(11)	[1.069633]	ND	(11)	[1.056970]
Vinyl acetate	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
Vinyl chloride	ND	(11)	[1.117318]	ND	(11)	[1.060895]	ND	(11)	[1.069633]	ND	(11)	[1.056970]
Xylenes	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	1.4 J	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
cis-1,3-Dichloropropene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
trans-1,2-Dichloroethene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
trans-1,3-Dichloropropene	ND	(5.6)	[1.117318]	ND	(5.3)	[1.060895]	ND	(5.3)	[1.069633]	ND	(5.3)	[1.056970]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.117318]	ND	(11)	[1.060895]	ND	(11)	[1.069633]	ND	(11)	[1.056970]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
1,2,4-Trichlorobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
1,2-Dichlorobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
1,2-Diphenylhydrazine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
1,3-Dichlorobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
1,4-Dichlorobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
1-Chloronaphthalene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
1-Naphthylamine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2,3,4,6-Tetrachlorophenol	ND	(740)	[0.037206]	ND	(710)	[0.035269]	ND	(710)	[0.035583]	ND	(700)	[0.035173]
2,4,5-Trichlorophenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2,4,6-Trichlorophenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2,4-Dichlorophenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2,4-Dimethylphenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2,4-Dinitrophenol	ND	(1900)	[0.037206]	ND	(1800)	[0.035269]	ND	(1800)	[0.035583]	ND	(1800)	[0.035173]
2,4-Dinitrotoluene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2,6-Dichlorophenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2,6-Dinitrotoluene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2-Chloronaphthalene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2-Chlorophenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 10 CAN97-10-06 24 - 26			NONE 10 CAN97-10-07 29 - 31			NONE 10 CAN97-10-08 34 - 36			NONE 10 CAN97-10-09 39 - 41		
2-Methylnaphthalene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2-Methylphenol(o-cresol)	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2-Naphthylamine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2-Nitroaniline	ND	(1900)	[0.037206]	ND	(1800)	[0.035269]	ND	(1800)	[0.035583]	ND	(1800)	[0.035173]
2-Nitrophenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
2-Picoline	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
3,3'-Dichlorobenzidine	ND	(740)	[0.037206]	ND	(710)	[0.035269]	ND	(710)	[0.035583]	ND	(700)	[0.035173]
3-Methylcholanthrene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
3-Nitroaniline	ND	(1900)	[0.037206]	ND	(1800)	[0.035269]	ND	(1800)	[0.035583]	ND	(1800)	[0.035173]
4,6-Dinitro-2-methylphenol	ND	(1900)	[0.037206]	ND	(1800)	[0.035269]	ND	(1800)	[0.035583]	ND	(1800)	[0.035173]
4-Aminobiphenyl	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
4-Bromophenyl phenyl ether	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
4-Chloro-3-methylphenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
4-Chlorophenyl phenyl ether	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
4-Methylphenol(p-cresol)	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
4-Nitroaniline	ND	(1900)	[0.037206]	ND	(1800)	[0.035269]	ND	(1800)	[0.035583]	ND	(1800)	[0.035173]
4-Nitrophenol	ND	(1900)	[0.037206]	ND	(1800)	[0.035269]	ND	(1800)	[0.035583]	ND	(1800)	[0.035173]
7,12-Dimethylbenz(a)anthracene	ND	(930)	[0.037206]	ND	(880)	[0.035269]	ND	(890)	[0.035583]	ND	(880)	[0.035173]
Acenaphthene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Acenaphthylene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Acetophenone	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Aniline	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Anthracene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Benzidine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Benzo(a)anthracene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Benzo(a)pyrene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Benzo(b)fluoranthene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Benzo(g,h,i)perylene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Benzo(k)fluoranthene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-06 24 - 26			NONE 10 CAN97-10-07 29 - 31			NONE 10 CAN97-10-08 34 - 36			NONE 10 CAN97-10-09 39 - 41		
Benzoic acid	ND	(1900)	[0.037206]	ND	(1800)	[0.035269]	ND	(1800)	[0.035583]	ND	(1800)	[0.035173]
Benzyl alcohol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Butylbenzylphthalate	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Chrysene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Di-n-octylphthalate	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Dibenz(a,h)anthracene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Dibenz(a,j)acridine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Dibenzofuran	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Dibutylphthalate	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Diethylphthalate	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Dimethylphenethylamine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Dimethylphthalate	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Diphenylamine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Ethyl methanesulfonate	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Fluoranthene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Fluorene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Hexachlorobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Hexachlorobutadiene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Hexachlorocyclopentadiene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Hexachloroethane	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Indeno(1,2,3-cd)pyrene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Isophorone	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Methyl methanesulfonate	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
N-Nitroso-di-n-butylamine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
N-Nitrosodimethylamine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
N-Nitrosodiphenylamine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
N-Nitrosodipropylamine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
N-Nitrosopiperidine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Naphthalene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 10 CAN97-10-06 24 - 26			NONE 10 CAN97-10-07 29 - 31			NONE 10 CAN97-10-08 34 - 36			NONE 10 CAN97-10-09 39 - 41		
Nitrobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Pentachlorobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Pentachloronitrobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Pentachlorophenol	ND	(1900)	[0.037206]	ND	(1800)	[0.035269]	ND	(1800)	[0.035583]	ND	(1800)	[0.035173]
Phenacetin	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Phenanthrene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Phenol	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Pronamide	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Pyrene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Pyridine	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
Unknown	260	(0)	[0.037206]	320	(0)	[0.035269]	250	(0)	[0.035583]	140	(0)	[0.035173]
bis(2-Chloroethoxy)methane	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
bis(2-Chloroethyl)ether	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
bis(2-Chloroisopropyl)ether	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
bis(2-Ethylhexyl)phthalate	27 J	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
p-Chloroaniline	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]
p-Dimethylaminoazobenzene	ND	(370)	[0.037206]	ND	(350)	[0.035269]	ND	(360)	[0.035583]	ND	(350)	[0.035173]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 10 CAN97-10-10 44 - 46			NONE 10 CAN97-10-11 49 - 51			NONE 10 CAN97-10-12 54 - 56			NONE 10 CAN97-10-13 59 - 61		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	ND	(27)	[5.407743]	ND	(26)	[5.215015]	ND	(26)	[5.209554]	ND	(26)	[5.186721]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	0.38 GB@	(0.36)	[36.21876]	0.4 GB@	(0.35)	[35.00175]	0.44 GB@	(0.35)	[34.89183]	0.4 GB@	(0.34)	[34.45899]
4,4'-DDE	ND	(0.36)	[36.21876]	0.064 J	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]
4,4'-DDT	0.42 J	(0.72)	[36.21876]	0.51 J	(0.7)	[35.00175]	0.63 J	(0.7)	[34.89183]	ND	(0.69)	[34.45899]
Aldrin	ND	(0.36)	[36.21876]	ND	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]
Chlordane	ND	(1.8)	[36.21876]	ND	(1.8)	[35.00175]	ND	(1.7)	[34.89183]	ND	(1.7)	[34.45899]
Dieldrin	ND	(0.36)	[36.21876]	ND	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]
Endosulfan I	ND	(0.36)	[36.21876]	ND	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]
Endosulfan II	ND	(1.1)	[36.21876]	ND	(1.1)	[35.00175]	ND	(1)	[34.89183]	ND	(1)	[34.45899]
Endosulfan Sulfate	ND	(1.8)	[36.21876]	ND	(1.8)	[35.00175]	0.073 J	(1.7)	[34.89183]	ND	(1.7)	[34.45899]
Endrin	ND	(0.36)	[36.21876]	0.13 J	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	0.11 J	(0.34)	[34.45899]
Endrin Aldehyde	ND	(0.72)	[36.21876]	ND	(0.7)	[35.00175]	ND	(0.7)	[34.89183]	ND	(0.69)	[34.45899]
Endrin Ketone	ND	(1.8)	[36.21876]	ND	(1.8)	[35.00175]	ND	(1.7)	[34.89183]	ND	(1.7)	[34.45899]
Heptachlor	ND	(0.36)	[36.21876]	0.082 J	(0.35)	[35.00175]	0.12 J	(0.35)	[34.89183]	0.0066 J	(0.34)	[34.45899]
Heptachlor epoxide	ND	(0.36)	[36.21876]	ND	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]
Methoxychlor	ND	(1.8)	[36.21876]	ND	(1.8)	[35.00175]	ND	(1.7)	[34.89183]	ND	(1.7)	[34.45899]
PCB-1016	ND	(3.6)	[36.21876]	ND	(3.5)	[35.00175]	ND	(3.5)	[34.89183]	ND	(3.4)	[34.45899]
PCB-1221	ND	(7.2)	[36.21876]	ND	(7)	[35.00175]	ND	(7)	[34.89183]	ND	(6.9)	[34.45899]
PCB-1232	ND	(7.2)	[36.21876]	ND	(7)	[35.00175]	ND	(7)	[34.89183]	ND	(6.9)	[34.45899]
PCB-1242	ND	(3.6)	[36.21876]	ND	(3.5)	[35.00175]	ND	(3.5)	[34.89183]	ND	(3.4)	[34.45899]
PCB-1248	ND	(3.6)	[36.21876]	ND	(3.5)	[35.00175]	ND	(3.5)	[34.89183]	ND	(3.4)	[34.45899]
PCB-1254	ND	(7.2)	[36.21876]	ND	(7)	[35.00175]	ND	(7)	[34.89183]	ND	(6.9)	[34.45899]
PCB-1260	ND	(7.2)	[36.21876]	ND	(7)	[35.00175]	ND	(7)	[34.89183]	ND	(6.9)	[34.45899]
Toxaphene	ND	(18)	[36.21876]	ND	(18)	[35.00175]	ND	(17)	[34.89183]	ND	(17)	[34.45899]
alpha-BHC	ND	(0.36)	[36.21876]	ND	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]
beta-BHC	ND	(0.36)	[36.21876]	ND	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]
delta-BHC	ND	(0.36)	[36.21876]	ND	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1

RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-10 44 - 46			NONE 10 CAN97-10-11 49 - 51			NONE 10 CAN97-10-12 54 - 56			NONE 10 CAN97-10-13 59 - 61		
gamma-BHC	ND	(0.36)	[36.21876]	ND	(0.35)	[35.00175]	ND	(0.35)	[34.89183]	ND	(0.34)	[34.45899]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
1,1,2-Trichloroethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
1,1-Dichloroethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
1,1-Dichloroethene	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
1,2,3-Trichloropropane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
1,2-Dichloroethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
1,2-Dichloropropane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
2-Chloroethyl vinyl ether	ND	(11)	[1.086956]	ND	(11)	[1.052077]	ND	(10)	[1.047559]	ND	(10)	[1.037129]
2-Ethylhexyl acetate	NA			5	()	[1.052077]	NA			NA		
2-Hexanone	ND	(54)	[1.086956]	ND	(53)	[1.052077]	ND	(52)	[1.047559]	ND	(52)	[1.037129]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.086956]	ND	(53)	[1.052077]	ND	(52)	[1.047559]	ND	(52)	[1.037129]
Acetone	97 J	(110)	[1.086956]	ND	(110)	[1.052077]	ND	(100)	[1.047559]	ND	(100)	[1.037129]
Acrolein	ND	(82)	[1.086956]	ND	(79)	[1.052077]	ND	(79)	[1.047559]	ND	(78)	[1.037129]
Acrylonitrile	ND	(54)	[1.086956]	ND	(53)	[1.052077]	ND	(52)	[1.047559]	ND	(52)	[1.037129]
Benzene	1.6 J	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Bromodichloromethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Bromomethane	ND	(11)	[1.086956]	ND	(11)	[1.052077]	ND	(10)	[1.047559]	ND	(10)	[1.037129]
Carbon disulfide	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Carbon tetrachloride	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Chlorobenzene	2 J	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Chloroethane	ND	(11)	[1.086956]	ND	(11)	[1.052077]	ND	(10)	[1.047559]	ND	(10)	[1.037129]
Chloroform	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Chloromethane	ND	(11)	[1.086956]	ND	(11)	[1.052077]	ND	(10)	[1.047559]	ND	(10)	[1.037129]
Dibromochloromethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Dibromomethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Dichlorodifluoromethane	ND	(22)	[1.086956]	ND	(21)	[1.052077]	ND	(21)	[1.047559]	ND	(21)	[1.037129]

Compiled: 21 January 1993

() = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 10 CAN97-10-10 44 - 46			NONE 10 CAN97-10-11 49 - 51			NONE 10 CAN97-10-12 54 - 56			NONE 10 CAN97-10-13 59 - 61		
Ethyl acetate	8.2	()	[1.086956]	10	()	[1.052077]	5.4	()	[1.047559]	NA		
Ethyl benzene	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Ethyl methacrylate	ND	(16)	[1.086956]	ND	(16)	[1.052077]	ND	(16)	[1.047559]	ND	(16)	[1.037129]
Iodomethane	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Methyl ethyl ketone	ND	(110)	[1.086956]	ND	(110)	[1.052077]	ND	(100)	[1.047559]	ND	(100)	[1.037129]
Methylene chloride	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Styrene	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Tetrachloroethene	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Toluene	1.9 J	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Tribromomethane(Bromoform)	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Trichloroethene	1.9 J	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Trichlorofluoromethane	ND	(11)	[1.086956]	ND	(11)	[1.052077]	ND	(10)	[1.047559]	ND	(10)	[1.037129]
Unknown alkane	NA			13	()	[1.052077]	NA			NA		
Vinyl acetate	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
Vinyl chloride	ND	(11)	[1.086956]	ND	(11)	[1.052077]	ND	(10)	[1.047559]	ND	(10)	[1.037129]
Xylenes	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
cis-1,3-Dichloropropene	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
trans-1,2-Dichloroethene	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
trans-1,3-Dichloropropene	ND	(5.4)	[1.086956]	ND	(5.3)	[1.052077]	ND	(5.2)	[1.047559]	ND	(5.2)	[1.037129]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.086956]	ND	(11)	[1.052077]	ND	(10)	[1.047559]	ND	(10)	[1.037129]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
1,2,4-Trichlorobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
1,2-Dichlorobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
1,2-Diphenylhydrazine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
1,3-Dichlorobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
1,4-Dichlorobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
1-Chloronaphthalene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
1-Naphthylamine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-10 44 - 46			NONE 10 CAN97-10-11 49 - 51			NONE 10 CAN97-10-12 54 - 56			NONE 10 CAN97-10-13 59 - 61		
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.036219]	ND	(700)	[0.034999]	ND	(700)	[0.034825]	ND	(690)	[0.034467]
2,4,5-Trichlorophenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2,4,6-Trichlorophenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2,4-Dichlorophenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2,4-Dimethylphenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2,4-Dinitrophenol	ND	(1800)	[0.036219]	ND	(1700)	[0.034999]	ND	(1700)	[0.034825]	ND	(1700)	[0.034467]
2,4-Dinitrotoluene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2,6-Dichlorophenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2,6-Dinitrotoluene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2-Chloronaphthalene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2-Chlorophenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2-Methylnaphthalene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2-Methylphenol(o-cresol)	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2-Naphthylamine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2-Nitroaniline	ND	(1800)	[0.036219]	ND	(1700)	[0.034999]	ND	(1700)	[0.034825]	ND	(1700)	[0.034467]
2-Nitrophenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
2-Picoline	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
3,3'-Dichlorobenzidine	ND	(720)	[0.036219]	ND	(700)	[0.034999]	ND	(700)	[0.034825]	ND	(690)	[0.034467]
3-Methylcholanthrene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
3-Nitroaniline	ND	(1800)	[0.036219]	ND	(1700)	[0.034999]	ND	(1700)	[0.034825]	ND	(1700)	[0.034467]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.036219]	ND	(1700)	[0.034999]	ND	(1700)	[0.034825]	ND	(1700)	[0.034467]
4-Aminobiphenyl	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
4-Bromophenyl phenyl ether	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
4-Chloro-3-methylphenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
4-Chlorophenyl phenyl ether	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
4-Methylphenol(p-cresol)	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
4-Nitroaniline	ND	(1800)	[0.036219]	ND	(1700)	[0.034999]	ND	(1700)	[0.034825]	ND	(1700)	[0.034467]
4-Nitrophenol	ND	(1800)	[0.036219]	ND	(1700)	[0.034999]	ND	(1700)	[0.034825]	ND	(1700)	[0.034467]
7,12-Dimethylbenz(a)anthracene	ND	(910)	[0.036219]	ND	(870)	[0.034999]	ND	(870)	[0.034825]	ND	(860)	[0.034467]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 10 CAN97-10-10 44 - 46			NONE 10 CAN97-10-11 49 - 51			NONE 10 CAN97-10-12 54 - 56			NONE 10 CAN97-10-13 59 - 61		
Acenaphthene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Acenaphthylene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Acetophenone	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Aniline	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Anthracene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Benzidine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Benzo(a)anthracene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Benzo(a)pyrene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Benzo(b)fluoranthene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Benzo(g,h,i)perylene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Benzo(k)fluoranthene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Benzoic acid	ND	(1800)	[0.036219]	ND	(1700)	[0.034999]	ND	(1700)	[0.034825]	ND	(1700)	[0.034467]
Benzyl alcohol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Butylbenzylphthalate	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Chrysene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Cyclohexenone	NA			NA			170	(0)	[0.034825]	NA		
Di-n-octylphthalate	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Dibenz(a,h)anthracene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Dibenz(a,j)acridine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Dibenzofuran	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Dibutylphthalate	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Diethylphthalate	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Dimethylphenethylamine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Dimethylphthalate	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Diphenylamine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Ethyl methanesulfonate	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Fluoranthene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Fluorene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Hexachlorobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-10 44 - 46			NONE 10 CAN97-10-11 49 - 51			NONE 10 CAN97-10-12 54 - 56			NONE 10 CAN97-10-13 59 - 61		
Hexachlorobutadiene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Hexachlorocyclopentadiene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Hexachloroethane	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Isophorone	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Methyl methanesulfonate	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
N-Nitroso-di-n-butylamine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
N-Nitrosodimethylamine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
N-Nitrosodiphenylamine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
N-Nitrosodipropylamine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
N-Nitrosopiperidine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Naphthalene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Nitrobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Pentachlorobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Pentachloronitrobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Pentachlorophenol	ND	(1800)	[0.036219]	ND	(1700)	[0.034999]	ND	(1700)	[0.034825]	ND	(1700)	[0.034467]
Phenacetin	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Phenanthrene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Phenol	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Pronamide	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Pyrene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Pyridine	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
Unknown	NA			NA			280	(0)	[0.034825]	450	(0)	[0.034467]
bis(2-Chloroethoxy)methane	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
bis(2-Chloroethyl)ether	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
bis(2-Ethylhexyl)phthalate	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
p-Chloroaniline	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]
p-Dimethylaminoazobenzene	ND	(360)	[0.036219]	ND	(350)	[0.034999]	ND	(350)	[0.034825]	ND	(340)	[0.034467]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

	SITE ID			
	LOCATION ID			
	SAMPLE ID			
	BEG. DEPTH - END DEPTH (FT.)			
	NONE	NONE	NONE	NONE
	10	10	10	10
	CAN97-10-10	CAN97-10-11	CAN97-10-12	CAN97-10-13
PARAMETER	44 - 46	49 - 51	54 - 56	59 - 61

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 11 CAN97-11-01 0 - 2			NONE 11 CAN97-11-02 4 - 6			NONE 11 CAN97-11-03 9 - 11			NONE 11 CAN97-11-04 14 - 16		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	160	(28)	[5.617977]	ND	(29)	[5.882352]	ND	(28)	[5.681818]	30 @	(29)	[5.813953]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			ND	(34)	[114]	NA			ND	(35)	[116]
Diesel (2)	NA			12000 GB	(5900)	[117.647]	NA			13000 GB@	(5800)	[116.2790]
Ethylbenzene (2)	NA			ND	(34)	[114]	NA			ND	(35)	[116]
Gasoline (2)	NA			ND	(5700)	[114]	NA			ND	(5800)	[116]
Jet fuel (2)	NA			ND	(12000)	[117.647]	NA			ND	(12000)	[116.2790]
Kerosene (2)	NA			ND	(12000)	[117.647]	NA			ND	(12000)	[116.2790]
Toluene (2)	NA			ND	(34)	[114]	NA			ND	(35)	[116]
Xylenes (total) (2)	NA			ND	(57)	[114]	NA			ND	(58)	[116]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(3.7)	[372.0238]	0.8 @	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
4,4'-DDE	15 @	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
4,4'-DDT	13 @	(7.4)	[372.0238]	ND	(0.78)	[39.18495]	ND	(0.76)	[37.79289]	0.95 @	(0.78)	[38.85003]
Aldrin	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
Chlordane	ND	(19)	[372.0238]	ND	(2)	[39.18495]	ND	(1.9)	[37.79289]	ND	(1.9)	[38.85003]
Dieldrin	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
Endosulfan I	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
Endosulfan II	ND	(11)	[372.0238]	ND	(1.2)	[39.18495]	ND	(1.1)	[37.79289]	ND	(1.2)	[38.85003]
Endosulfan Sulfate	ND	(19)	[372.0238]	ND	(2)	[39.18495]	ND	(1.9)	[37.79289]	ND	(1.9)	[38.85003]
Endrin	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
Endrin Aldehyde	ND	(7.4)	[372.0238]	ND	(0.78)	[39.18495]	ND	(0.76)	[37.79289]	ND	(0.78)	[38.85003]
Endrin Ketone	3.2 J	(19)	[372.0238]	ND	(2)	[39.18495]	ND	(1.9)	[37.79289]	ND	(1.9)	[38.85003]
Heptachlor	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	0.25 J	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
Heptachlor epoxide	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
Methoxychlor	ND	(19)	[372.0238]	ND	(2)	[39.18495]	ND	(1.9)	[37.79289]	ND	(1.9)	[38.85003]
PCB-1016	ND	(37)	[372.0238]	ND	(3.9)	[39.18495]	ND	(3.8)	[37.79289]	ND	(3.9)	[38.85003]
PCB-1221	ND	(74)	[372.0238]	ND	(7.8)	[39.18495]	ND	(7.6)	[37.79289]	ND	(7.8)	[38.85003]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-01 0 - 2			NONE 11 CAN97-11-02 4 - 6			NONE 11 CAN97-11-03 9 - 11			NONE 11 CAN97-11-04 14 - 16		
PCB-1232	ND	(74)	[372.0238]	ND	(7.8)	[39.18495]	ND	(7.6)	[37.79289]	ND	(7.8)	[38.85003]
PCB-1242	ND	(37)	[372.0238]	ND	(3.9)	[39.18495]	ND	(3.8)	[37.79289]	ND	(3.9)	[38.85003]
PCB-1248	ND	(37)	[372.0238]	ND	(3.9)	[39.18495]	ND	(3.8)	[37.79289]	ND	(3.9)	[38.85003]
PCB-1254	ND	(74)	[372.0238]	ND	(7.8)	[39.18495]	ND	(7.6)	[37.79289]	ND	(7.8)	[38.85003]
PCB-1260	ND	(74)	[372.0238]	ND	(7.8)	[39.18495]	ND	(7.6)	[37.79289]	ND	(7.8)	[38.85003]
Toxaphene	ND	(190)	[372.0238]	ND	(20)	[39.18495]	ND	(19)	[37.79289]	ND	(19)	[38.85003]
alpha-BHC	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
beta-BHC	2.8 J	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
delta-BHC	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
gamma-BHC	ND	(3.7)	[372.0238]	ND	(0.39)	[39.18495]	ND	(0.38)	[37.79289]	ND	(0.39)	[38.85003]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			ND	(7.8)	[39.10833]	NA			ND	(7.8)	[38.77472]
2,4,5-TP (Silvex)	NA			ND	(6.6)	[39.10833]	NA			ND	(6.6)	[38.77472]
2,4-D	NA			ND	(47)	[39.10833]	NA			ND	(47)	[38.77472]
2,4-DB	NA			ND	(36)	[39.10833]	NA			ND	(35)	[38.77472]
Dalapon	NA			ND	(230)	[39.10833]	NA			ND	(220)	[38.77472]
Dicamba	NA			ND	(11)	[39.10833]	NA			ND	(10)	[38.77472]
Dichloroprop	NA			6.6 J	(25)	[39.10833]	NA			3.7 J	(25)	[38.77472]
Dinoseb	NA			ND	(5.9)	[39.10833]	NA			ND	(5.8)	[38.77472]
MCPA	NA			ND	(9700)	[39.10833]	NA			ND	(9700)	[38.77472]
MCPP	NA			ND	(7500)	[39.10833]	NA			ND	(7400)	[38.77472]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
1,1,2,2-Tetrachloroethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
1,1,2-Trichloroethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
1,1-Dichloroethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
1,1-Dichloroethene	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
1,2,3-Trichloropropane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
1,2-Dichloroethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-01 0 - 2			NONE 11 CAN97-11-02 4 - 6			NONE 11 CAN97-11-03 9 - 11			NONE 11 CAN97-11-04 14 - 16		
1,2-Dichloropropane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
2-Chloroethyl vinyl ether	ND	(11)	[1.117318]	ND	(12)	[1.176470]	ND	(11)	[1.133786]	ND	(12)	[1.165501]
2-Hexanone	ND	(56)	[1.117318]	ND	(59)	[1.176470]	ND	(57)	[1.133786]	ND	(58)	[1.165501]
4-Methyl-2-pentanone(MIBK)	ND	(56)	[1.117318]	ND	(59)	[1.176470]	ND	(57)	[1.133786]	ND	(58)	[1.165501]
Acetone	ND	(110)	[1.117318]	ND	(120)	[1.176470]	ND	(110)	[1.133786]	ND	(120)	[1.165501]
Acrolein	ND	(84)	[1.117318]	ND	(88)	[1.176470]	ND	(85)	[1.133786]	ND	(87)	[1.165501]
Acrylonitrile	ND	(56)	[1.117318]	ND	(59)	[1.176470]	ND	(57)	[1.133786]	ND	(58)	[1.165501]
Benzene	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Bromodichloromethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Bromomethane	ND	(11)	[1.117318]	ND	(12)	[1.176470]	ND	(11)	[1.133786]	ND	(12)	[1.165501]
Carbon disulfide	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Carbon tetrachloride	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Chlorobenzene	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Chloroethane	ND	(11)	[1.117318]	ND	(12)	[1.176470]	ND	(11)	[1.133786]	ND	(12)	[1.165501]
Chloroform	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Chloromethane	ND	(11)	[1.117318]	ND	(12)	[1.176470]	ND	(11)	[1.133786]	ND	(12)	[1.165501]
Dibromochloromethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Dibromomethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Dichlorodifluoromethane	ND	(22)	[1.117318]	ND	(24)	[1.176470]	ND	(23)	[1.133786]	ND	(23)	[1.165501]
Ethyl acetate	NA			NA			NA			35	()	[1.165501]
Ethyl benzene	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Ethyl methacrylate	ND	(17)	[1.117318]	ND	(18)	[1.176470]	ND	(17)	[1.133786]	ND	(17)	[1.165501]
Iodomethane	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Methyl ethyl ketone	ND	(110)	[1.117318]	9.5 J	(120)	[1.176470]	ND	(110)	[1.133786]	ND	(120)	[1.165501]
Methylene chloride	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Styrene	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Tetrachloroethene	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]
Toluene	3.6 J	(5.6)	[1.117318]	5.2 J	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	11 @	(5.8)	[1.165501]
Tribromomethane(Bromoform)	ND	(5.6)	[1.117318]	ND	(5.9)	[1.176470]	ND	(5.7)	[1.133786]	ND	(5.8)	[1.165501]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)								
	NONE	11	CAN97-11-01	0 - 2	NONE	11	CAN97-11-02	4 - 6	NONE	11	CAN97-11-03	9 - 11	NONE	11	CAN97-11-04	14 - 16
Trichloroethene	ND	(5.6)	[1.117318]		ND	(5.9)	[1.176470]		ND	(5.7)	[1.133786]		ND	(5.8)	[1.165501]	
Trichlorofluoromethane	ND	(11)	[1.117318]		ND	(12)	[1.176470]		ND	(11)	[1.133786]		ND	(12)	[1.165501]	
Unknown hydrocarbon	NA				24	()	[1.176470]		NA				21	()	[1.165501]	
Vinyl acetate	ND	(5.6)	[1.117318]		ND	(5.9)	[1.176470]		ND	(5.7)	[1.133786]		ND	(5.8)	[1.165501]	
Vinyl chloride	ND	(11)	[1.117318]		ND	(12)	[1.176470]		ND	(11)	[1.133786]		ND	(12)	[1.165501]	
Xylenes	ND	(5.6)	[1.117318]		ND	(5.9)	[1.176470]		ND	(5.7)	[1.133786]		ND	(5.8)	[1.165501]	
cis-1,3-Dichloropropene	ND	(5.6)	[1.117318]		ND	(5.9)	[1.176470]		ND	(5.7)	[1.133786]		ND	(5.8)	[1.165501]	
trans-1,2-Dichloroethene	ND	(5.6)	[1.117318]		ND	(5.9)	[1.176470]		ND	(5.7)	[1.133786]		ND	(5.8)	[1.165501]	
trans-1,3-Dichloropropene	ND	(5.6)	[1.117318]		ND	(5.9)	[1.176470]		ND	(5.7)	[1.133786]		ND	(5.8)	[1.165501]	
trans-1,4-Dichloro-2-butene	ND	(11)	[1.117318]		ND	(12)	[1.176470]		ND	(11)	[1.133786]		ND	(12)	[1.165501]	
SW8270 - Semivolatile Organics (ug/kg)																
1,2,4,5-Tetrachlorobenzene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
1,2,4-Trichlorobenzene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
1,2-Dichlorobenzene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
1,2-Diphenylhydrazine	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
1,3-Dichlorobenzene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
1,4-Dichlorobenzene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
1-Chloronaphthalene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
1-Naphthylamine	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
2,3,4,6-Tetrachlorophenol	ND	(740)	[0.037243]		ND	(780)	[0.039215]		ND	(760)	[0.037792]		ND	(780)	[0.03885]	
2,4,5-Trichlorophenol	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
2,4,6-Trichlorophenol	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
2,4-Dichlorophenol	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
2,4-Dimethylphenol	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
2,4-Dinitrophenol	ND	(1900)	[0.037243]		ND	(2000)	[0.039215]		ND	(1900)	[0.037792]		ND	(1900)	[0.03885]	
2,4-Dinitrotoluene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
2,6-Dichlorophenol	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
2,6-Dinitrotoluene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	
2-Chloronaphthalene	ND	(370)	[0.037243]		ND	(390)	[0.039215]		ND	(380)	[0.037792]		ND	(390)	[0.03885]	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 11 CAN97-11-01 0 - 2			NONE 11 CAN97-11-02 4 - 6			NONE 11 CAN97-11-03 9 - 11			NONE 11 CAN97-11-04 14 - 16		
2-Chlorophenol	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
2-Methylnaphthalene	23 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
2-Methylphenol(o-cresol)	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
2-Naphthylamine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
2-Nitroaniline	ND	(1900)	[0.037243]	ND	(2000)	[0.039215]	ND	(1900)	[0.037792]	ND	(1900)	[0.03885]
2-Nitrophenol	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
2-Picoline	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
3,3'-Dichlorobenzidine	ND	(740)	[0.037243]	ND	(780)	[0.039215]	ND	(760)	[0.037792]	ND	(780)	[0.03885]
3-Methylcholanthrene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
3-Nitroaniline	ND	(1900)	[0.037243]	ND	(2000)	[0.039215]	ND	(1900)	[0.037792]	ND	(1900)	[0.03885]
4,6-Dinitro-2-methylphenol	ND	(1900)	[0.037243]	ND	(2000)	[0.039215]	ND	(1900)	[0.037792]	ND	(1900)	[0.03885]
4-Aminobiphenyl	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
4-Bromophenyl phenyl ether	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
4-Chloro-3-methylphenol	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
4-Chlorophenyl phenyl ether	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
4-Methylphenol(p-cresol)	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
4-Nitroaniline	ND	(1900)	[0.037243]	ND	(2000)	[0.039215]	ND	(1900)	[0.037792]	ND	(1900)	[0.03885]
4-Nitrophenol	ND	(1900)	[0.037243]	ND	(2000)	[0.039215]	ND	(1900)	[0.037792]	ND	(1900)	[0.03885]
7,12-Dimethylbenz(a)anthracene	ND	(930)	[0.037243]	ND	(980)	[0.039215]	ND	(940)	[0.037792]	ND	(970)	[0.03885]
Acenaphthene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Acenaphthylene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Acetophenone	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Aniline	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Anthracene	4.4 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Benzidine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Benzo(a)anthracene	70 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Benzo(a)pyrene	86 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Benzo(b)fluoranthene	200 JX	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Benzo(g,h,i)perylene	58 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 11 CAN97-11-01 0 - 2			NONE 11 CAN97-11-02 4 - 6			NONE 11 CAN97-11-03 9 - 11			NONE 11 CAN97-11-04 14 - 16					
Benzo(k)fluoranthene	200 JX	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Benzoic acid	ND	(1900)	[0.037243]	ND	(2000)	[0.039215]	ND	(1900)	[0.037792]	45 J		(1900)	[0.03885]		
Benzyl alcohol	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Butylbenzylphthalate	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Chrysene	94 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Di-n-octylphthalate	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Dibenz(a,h)anthracene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Dibenz(a,j)acridine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Dibenzofuran	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Dibutylphthalate	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Diethylphthalate	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Dimethylisopropylnaphthalene	190	(0)	[0.037243]	NA			NA			NA					
Dimethylphenethylamine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Dimethylphthalate	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Diphenylamine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Ethyl methanesulfonate	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Fluoranthene	79 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Fluorene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Hexachlorobenzene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Hexachlorobutadiene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Hexachlorocyclopentadiene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Hexachloroethane	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Indeno(1,2,3-cd)pyrene	52 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Isophorone	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
Methyl methanesulfonate	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
N-Nitroso-di-n-butylamine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
N-Nitrosodimethylamine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
N-Nitrosodiphenylamine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		
N-Nitrosodipropylamine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND		(390)	[0.03885]		

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID: NONE LOCATION ID: 11 SAMPLE ID: CAN97-11-01 BEG. DEPTH - END DEPTH (FT.): 0 - 2			SITE ID: NONE LOCATION ID: 11 SAMPLE ID: CAN97-11-02 BEG. DEPTH - END DEPTH (FT.): 4 - 6			SITE ID: NONE LOCATION ID: 11 SAMPLE ID: CAN97-11-03 BEG. DEPTH - END DEPTH (FT.): 9 - 11			SITE ID: NONE LOCATION ID: 11 SAMPLE ID: CAN97-11-04 BEG. DEPTH - END DEPTH (FT.): 14 - 16		
N-Nitrosopiperidine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Naphthalene	13 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Nitrobenzene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Pentachlorobenzene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Pentachloronitrobenzene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Pentachlorophenol	ND	(1900)	[0.037243]	ND	(2000)	[0.039215]	ND	(1900)	[0.037792]	ND	(1900)	[0.03885]
Phenacetin	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Phenanthrene	32 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Phenol	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Pronamide	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Pyrene	79 J	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Pyridine	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
Unknown	190	(0)	[0.037243]	NA			NA			230	(0)	[0.03885]
Unknown aldehyde	190	(0)	[0.037243]	NA			NA			NA		
Unknown alkane	450	(0)	[0.037243]	NA			NA			NA		
Unknown carboxylic acid	860	(0)	[0.037243]	NA			NA			NA		
bis(2-Chloroethoxy)methane	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
bis(2-Chloroethyl)ether	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
bis(2-Chloroisopropyl)ether	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
bis(2-Ethylhexyl)phthalate	230 JB	(370)	[0.037243]	530 BQ	(390)	[0.039215]	150 JB	(380)	[0.037792]	180 JB	(390)	[0.03885]
p-Chloroaniline	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]
p-Dimethylaminoazobenzene	ND	(370)	[0.037243]	ND	(390)	[0.039215]	ND	(380)	[0.037792]	ND	(390)	[0.03885]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 11 CAN97-11-05 19 - 21			NONE 11 CAN97-11-06 24 - 26			NONE 11 CAN97-11-07 29 - 31			NONE 11 CAN97-11-08 34 - 36		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	ND	(29)	[5.747126]	ND	(28)	[5.617977]	28 @	(27)	[5.428881]	ND	(28)	[5.617977]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	0.8 @	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
4,4'-DDE	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	0.51 @	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
4,4'-DDT	ND	(0.77)	[38.37298]	ND	(0.75)	[37.34129]	0.92 @	(0.72)	[36.15328]	0.69 J	(0.74)	[37.21622]
Aldrin	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	ND	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
Chlordane	ND	(1.9)	[38.37298]	ND	(1.9)	[37.34129]	ND	(1.8)	[36.15328]	ND	(1.9)	[37.21622]
Dieldrin	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	ND	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
Endosulfan I	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	ND	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
Endosulfan II	ND	(1.2)	[38.37298]	ND	(1.1)	[37.34129]	ND	(1.1)	[36.15328]	ND	(1.1)	[37.21622]
Endosulfan Sulfate	ND	(1.9)	[38.37298]	ND	(1.9)	[37.34129]	ND	(1.8)	[36.15328]	ND	(1.9)	[37.21622]
Endrin	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	ND	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
Endrin Aldehyde	ND	(0.77)	[38.37298]	ND	(0.75)	[37.34129]	ND	(0.72)	[36.15328]	ND	(0.74)	[37.21622]
Endrin Ketone	ND	(1.9)	[38.37298]	ND	(1.9)	[37.34129]	ND	(1.8)	[36.15328]	ND	(1.9)	[37.21622]
Heptachlor	0.3 J	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	0.26 J	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
Heptachlor epoxide	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	ND	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
Methoxychlor	ND	(1.9)	[38.37298]	ND	(1.9)	[37.34129]	ND	(1.8)	[36.15328]	ND	(1.9)	[37.21622]
PCB-1016	ND	(3.8)	[38.37298]	ND	(3.7)	[37.34129]	ND	(3.6)	[36.15328]	ND	(3.7)	[37.21622]
PCB-1221	ND	(7.7)	[38.37298]	ND	(7.5)	[37.34129]	ND	(7.2)	[36.15328]	ND	(7.4)	[37.21622]
PCB-1232	ND	(7.7)	[38.37298]	ND	(7.5)	[37.34129]	ND	(7.2)	[36.15328]	ND	(7.4)	[37.21622]
PCB-1242	ND	(3.8)	[38.37298]	ND	(3.7)	[37.34129]	ND	(3.6)	[36.15328]	ND	(3.7)	[37.21622]
PCB-1248	ND	(3.8)	[38.37298]	ND	(3.7)	[37.34129]	ND	(3.6)	[36.15328]	ND	(3.7)	[37.21622]
PCB-1254	ND	(7.7)	[38.37298]	ND	(7.5)	[37.34129]	ND	(7.2)	[36.15328]	ND	(7.4)	[37.21622]
PCB-1260	ND	(7.7)	[38.37298]	ND	(7.5)	[37.34129]	ND	(7.2)	[36.15328]	ND	(7.4)	[37.21622]
Toxaphene	ND	(19)	[38.37298]	ND	(19)	[37.34129]	ND	(18)	[36.15328]	ND	(19)	[37.21622]
alpha-BHC	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	ND	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
beta-BHC	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	0.2 J	(0.36)	[36.15328]	0.15 J	(0.37)	[37.21622]
delta-BHC	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	ND	(0.36)	[36.15328]	ND	(0.37)	[37.21622]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 11 CAN97-11-05 19 - 21			NONE 11 CAN97-11-06 24 - 26			NONE 11 CAN97-11-07 29 - 31			NONE 11 CAN97-11-08 34 - 36		
gamma-BHC	ND	(0.38)	[38.37298]	ND	(0.37)	[37.34129]	ND	(0.36)	[36.15328]	ND	(0.37)	[37.21622]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
1,1,2,2-Tetrachloroethane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
1,1,2-Trichloroethane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
1,1-Dichloroethane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
1,1-Dichloroethene	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
1,2,3-Trichloropropane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
1,2-Dichloroethane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
1,2-Dichloropropane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
2-Chloroethyl vinyl ether	ND	(12)	[1.152073]	ND	(11)	[1.121076]	ND	(11)	[1.085658]	ND	(11)	[1.117318]
2-Hexanone	ND	(58)	[1.152073]	ND	(56)	[1.121076]	ND	(54)	[1.085658]	ND	(56)	[1.117318]
4-Methyl-2-pentanone(MIBK)	ND	(58)	[1.152073]	ND	(56)	[1.121076]	ND	(54)	[1.085658]	ND	(56)	[1.117318]
Acetone	ND	(120)	[1.152073]	ND	(110)	[1.121076]	ND	(110)	[1.085658]	ND	(110)	[1.117318]
Acrolein	ND	(86)	[1.152073]	ND	(84)	[1.121076]	ND	(81)	[1.085658]	ND	(84)	[1.117318]
Acrylonitrile	ND	(58)	[1.152073]	ND	(56)	[1.121076]	ND	(54)	[1.085658]	ND	(56)	[1.117318]
Benzene	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
Bromodichloromethane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
Bromomethane	ND	(12)	[1.152073]	ND	(11)	[1.121076]	ND	(11)	[1.085658]	ND	(11)	[1.117318]
Carbon disulfide	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
Carbon tetrachloride	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
Chlorobenzene	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
Chloroethane	ND	(12)	[1.152073]	ND	(11)	[1.121076]	ND	(11)	[1.085658]	ND	(11)	[1.117318]
Chloroform	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
Chloromethane	ND	(12)	[1.152073]	ND	(11)	[1.121076]	ND	(11)	[1.085658]	ND	(11)	[1.117318]
Dibromochloromethane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
Dibromomethane	ND	(5.8)	[1.152073]	ND	(5.6)	[1.121076]	ND	(5.4)	[1.085658]	ND	(5.6)	[1.117318]
Dichlorodifluoromethane	ND	(23)	[1.152073]	ND	(22)	[1.121076]	ND	(22)	[1.085658]	ND	(22)	[1.117318]
Ethyl acetate	18	()	[1.152073]	14	()	[1.121076]	NA			29	()	[1.117318]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)												
	NONE	11	CAN97-11-05	19 - 21	NONE	11	CAN97-11-06	24 - 26	NONE	11	CAN97-11-07	29 - 31	NONE	11	CAN97-11-08	34 - 36
Ethyl benzene	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
Ethyl methacrylate	ND	(17)	[1.152073]		ND	(17)	[1.121076]		ND	(16)	[1.085658]		ND	(17)	[1.117318]	
Iodomethane	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
Methyl acetate	NA				NA				NA				9.5	()	[1.117318]	
Methyl ethyl ketone	ND	(120)	[1.152073]		6.3 J	(110)	[1.121076]		ND	(110)	[1.085658]		ND	(110)	[1.117318]	
Methylene chloride	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
Styrene	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
Tetrachloroethene	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
Toluene	1 J	(5.8)	[1.152073]		0.97 J	(5.6)	[1.121076]		1.1 J	(5.4)	[1.085658]		5.9 @	(5.6)	[1.117318]	
Tribromomethane(Bromoform)	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
Trichloroethene	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
Trichlorofluoromethane	ND	(12)	[1.152073]		ND	(11)	[1.121076]		ND	(11)	[1.085658]		ND	(11)	[1.117318]	
Unknown hydrocarbon	5.9	()	[1.152073]		5.9	()	[1.121076]		NA				NA			
Vinyl acetate	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
Vinyl chloride	ND	(12)	[1.152073]		ND	(11)	[1.121076]		ND	(11)	[1.085658]		ND	(11)	[1.117318]	
Xylenes	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
cis-1,3-Dichloropropene	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
trans-1,2-Dichloroethene	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
trans-1,3-Dichloropropene	ND	(5.8)	[1.152073]		ND	(5.6)	[1.121076]		ND	(5.4)	[1.085658]		ND	(5.6)	[1.117318]	
trans-1,4-Dichloro-2-butene	ND	(12)	[1.152073]		ND	(11)	[1.121076]		ND	(11)	[1.085658]		ND	(11)	[1.117318]	
SW8270 - Semivolatile Organics (ug/kg)																
1,2,4,5-Tetrachlorobenzene	ND	(380)	[0.038402]		ND	(370)	[0.037369]		ND	(360)	[0.036188]		ND	(370)	[0.037243]	
1,2,4-Trichlorobenzene	ND	(380)	[0.038402]		ND	(370)	[0.037369]		ND	(360)	[0.036188]		ND	(370)	[0.037243]	
1,2-Dichlorobenzene	ND	(380)	[0.038402]		ND	(370)	[0.037369]		ND	(360)	[0.036188]		ND	(370)	[0.037243]	
1,2-Diphenylhydrazine	ND	(380)	[0.038402]		ND	(370)	[0.037369]		ND	(360)	[0.036188]		ND	(370)	[0.037243]	
1,3-Dichlorobenzene	ND	(380)	[0.038402]		ND	(370)	[0.037369]		ND	(360)	[0.036188]		ND	(370)	[0.037243]	
1,4-Dichlorobenzene	ND	(380)	[0.038402]		ND	(370)	[0.037369]		ND	(360)	[0.036188]		ND	(370)	[0.037243]	
1-Chloronaphthalene	ND	(380)	[0.038402]		ND	(370)	[0.037369]		ND	(360)	[0.036188]		ND	(370)	[0.037243]	
1-Naphthylamine	ND	(380)	[0.038402]		ND	(370)	[0.037369]		ND	(360)	[0.036188]		ND	(370)	[0.037243]	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 11 CAN97-11-05 19 - 21			NONE 11 CAN97-11-06 24 - 26			NONE 11 CAN97-11-07 29 - 31			NONE 11 CAN97-11-08 34 - 36		
2,3,4,6-Tetrachlorophenol	ND	(770)	[0.038402]	ND	(750)	[0.037369]	ND	(720)	[0.036188]	ND	(740)	[0.037243]
2,4,5-Trichlorophenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2,4,6-Trichlorophenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2,4-Dichlorophenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2,4-Dimethylphenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2,4-Dinitrophenol	ND	(1900)	[0.038402]	ND	(1900)	[0.037369]	ND	(1800)	[0.036188]	ND	(1900)	[0.037243]
2,4-Dinitrotoluene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2,6-Dichlorophenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2,6-Dinitrotoluene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2-Chloronaphthalene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2-Chlorophenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2-Methylnaphthalene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2-Methylphenol(o-cresol)	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2-Naphthylamine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2-Nitroaniline	ND	(1900)	[0.038402]	ND	(1900)	[0.037369]	ND	(1800)	[0.036188]	ND	(1900)	[0.037243]
2-Nitrophenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
2-Picoline	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
3,3'-Dichlorobenzidine	ND	(770)	[0.038402]	ND	(750)	[0.037369]	ND	(720)	[0.036188]	ND	(740)	[0.037243]
3-Methylcholanthrene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
3-Nitroaniline	ND	(1900)	[0.038402]	ND	(1900)	[0.037369]	ND	(1800)	[0.036188]	ND	(1900)	[0.037243]
4,6-Dinitro-2-methylphenol	ND	(1900)	[0.038402]	ND	(1900)	[0.037369]	ND	(1800)	[0.036188]	ND	(1900)	[0.037243]
4-Aminobiphenyl	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
4-Bromophenyl phenyl ether	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
4-Chloro-3-methylphenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
4-Chlorophenyl phenyl ether	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
4-Methylphenol(p-cresol)	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
4-Nitroaniline	ND	(1900)	[0.038402]	ND	(1900)	[0.037369]	ND	(1800)	[0.036188]	ND	(1900)	[0.037243]
4-Nitrophenol	ND	(1900)	[0.038402]	ND	(1900)	[0.037369]	ND	(1800)	[0.036188]	ND	(1900)	[0.037243]
7,12-Dimethylbenz(a)anthracene	ND	(960)	[0.038402]	ND	(930)	[0.037369]	ND	(900)	[0.036188]	ND	(930)	[0.037243]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-05 19 - 21			NONE 11 CAN97-11-06 24 - 26			NONE 11 CAN97-11-07 29 - 31			NONE 11 CAN97-11-08 34 - 36		
Acenaphthene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Acenaphthylene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Acetophenone	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Aniline	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Anthracene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Benzidine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Benzo(a)anthracene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Benzo(a)pyrene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Benzo(b)fluoranthene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Benzo(g,h,i)perylene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Benzo(k)fluoranthene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Benzoic acid	ND	(1900)	[0.038402]	ND	(1900)	[0.037369]	ND	(1800)	[0.036188]	ND	(1900)	[0.037243]
Benzyl alcohol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Butylbenzylphthalate	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Chrysene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Di-n-octylphthalate	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Dibenz(a,h)anthracene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Dibenz(a,j)acridine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Dibenzofuran	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Dibutylphthalate	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Diethylphthalate	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Dimethylphenethylamine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Dimethylphthalate	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Diphenylamine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Ethyl methanesulfonate	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Fluoranthene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Fluorene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Hexachlorobenzene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Hexachlorobutadiene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-05 19 - 21			NONE 11 CAN97-11-06 24 - 26			NONE 11 CAN97-11-07 29 - 31			NONE 11 CAN97-11-08 34 - 36		
Hexachlorocyclopentadiene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Hexachloroethane	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Indeno(1,2,3-cd)pyrene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Isophorone	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Methyl methanesulfonate	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
N-Nitroso-di-n-butylamine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
N-Nitrosodimethylamine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
N-Nitrosodiphenylamine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
N-Nitrosodipropylamine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
N-Nitrosopiperidine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Naphthalene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Nitrobenzene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Pentachlorobenzene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Pentachloronitrobenzene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Pentachlorophenol	ND	(1900)	[0.038402]	ND	(1900)	[0.037369]	ND	(1800)	[0.036188]	ND	(1900)	[0.037243]
Phenacetin	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Phenanthrene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Phenol	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Pronamide	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Pyrene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Pyridine	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
Unknown	150	(0)	[0.038402]	NA			NA			NA		
bis(2-Chloroethoxy)methane	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
bis(2-Chloroethyl)ether	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
bis(2-Chloroisopropyl)ether	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
bis(2-Ethylhexyl)phthalate	180 JB	(380)	[0.038402]	ND	(370)	[0.037369]	170 JB	(360)	[0.036188]	43 JB	(370)	[0.037243]
p-Chloroaniline	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]
p-Dimethylaminoazobenzene	ND	(380)	[0.038402]	ND	(370)	[0.037369]	ND	(360)	[0.036188]	ND	(370)	[0.037243]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 11 CAN97-11-09 39 - 41			NONE 11 CAN97-11-99 Dup of CAN97-11-09 39 - 41			NONE 11 CAN97-11-10 46 - 48			NONE 11 CAN97-11-11 51 - 53		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	ND	(27)	[5.307855]	ND	(27)	[5.319148]	ND	(28)	[5.681818]	ND	(27)	[5.347593]
SW8015 - Total Petroleum Hydrocarbons (%recvry)												
Benzene (2)	ND	(31)	[100]	ND	(32)	[105]	NA			NA		
Diesel (2)	7600 GB@	(5300)	[106.3829]	6400 GB@	(5300)	[106.3829]	NA			NA		
Ethylbenzene (2)	ND	(31)	[100]	ND	(32)	[105]	NA			NA		
Gasoline (2)	ND N/A	(5200)	[100]	ND	(5200)	[105]	NA			NA		
Jet fuel (2)	ND	(11000)	[106.3829]	ND	(11000)	[106.3829]	NA			NA		
Kerosene (2)	ND	(11000)	[106.3829]	ND	(11000)	[106.3829]	NA			NA		
Toluene (2)	ND	(31)	[100]	ND	(32)	[105]	NA			NA		
Xylenes (total) (2)	ND	(52)	[100]	ND	(52)	[105]	NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.35)	[35.38570]	0.74 @	(0.35)	[35.42330]	0.8 @	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
4,4'-DDE	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
4,4'-DDT	ND	(0.71)	[35.38570]	ND	(0.71)	[35.42330]	1 @	(0.76)	[37.97949]	0.82 @	(0.71)	[35.62522]
Aldrin	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
Chlordane	ND	(1.8)	[35.38570]	ND	(1.8)	[35.42330]	ND	(1.9)	[37.97949]	ND	(1.8)	[35.62522]
Dieldrin	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
Endosulfan I	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
Endosulfan II	ND	(1.1)	[35.38570]	ND	(1.1)	[35.42330]	ND	(1.1)	[37.97949]	ND	(1.1)	[35.62522]
Endosulfan Sulfate	ND	(1.8)	[35.38570]	ND	(1.8)	[35.42330]	ND	(1.9)	[37.97949]	ND	(1.8)	[35.62522]
Endrin	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	0.53 @	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
Endrin Aldehyde	ND	(0.71)	[35.38570]	ND	(0.71)	[35.42330]	ND	(0.76)	[37.97949]	ND	(0.71)	[35.62522]
Endrin Ketone	ND	(1.8)	[35.38570]	ND	(1.8)	[35.42330]	ND	(1.9)	[37.97949]	ND	(1.8)	[35.62522]
Heptachlor	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	0.31 J	(0.38)	[37.97949]	0.31 J	(0.36)	[35.62522]
Heptachlor epoxide	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
Methoxychlor	ND	(1.8)	[35.38570]	ND	(1.8)	[35.42330]	ND	(1.9)	[37.97949]	ND	(1.8)	[35.62522]
PCB-1016	ND	(3.5)	[35.38570]	ND	(3.5)	[35.42330]	ND	(3.8)	[37.97949]	ND	(3.6)	[35.62522]
PCB-1221	ND	(7.1)	[35.38570]	ND	(7.1)	[35.42330]	ND	(7.6)	[37.97949]	ND	(7.1)	[35.62522]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-09 39 - 41			NONE 11 CAN97-11-99 Dup of CAN97-11-09 39 - 41			NONE 11 CAN97-11-10 46 - 48			NONE 11 CAN97-11-11 51 - 53		
PCB-1232	ND	(7.1)	[35.38570]	ND	(7.1)	[35.42330]	ND	(7.6)	[37.97949]	ND	(7.1)	[35.62522]
PCB-1242	ND	(3.5)	[35.38570]	ND	(3.5)	[35.42330]	ND	(3.8)	[37.97949]	ND	(3.6)	[35.62522]
PCB-1248	ND	(3.5)	[35.38570]	ND	(3.5)	[35.42330]	ND	(3.8)	[37.97949]	ND	(3.6)	[35.62522]
PCB-1254	ND	(7.1)	[35.38570]	ND	(7.1)	[35.42330]	ND	(7.6)	[37.97949]	ND	(7.1)	[35.62522]
PCB-1260	ND	(7.1)	[35.38570]	ND	(7.1)	[35.42330]	ND	(7.6)	[37.97949]	ND	(7.1)	[35.62522]
Toxaphene	ND	(18)	[35.38570]	ND	(18)	[35.42330]	ND	(19)	[37.97949]	ND	(18)	[35.62522]
alpha-BHC	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
beta-BHC	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
delta-BHC	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
gamma-BHC	ND	(0.35)	[35.38570]	ND	(0.35)	[35.42330]	ND	(0.38)	[37.97949]	ND	(0.36)	[35.62522]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.1)	[35.32320]	ND	(7.1)	[35.39823]	NA			NA		
2,4,5-TP (Silvex)	ND	(6)	[35.32320]	ND	(6)	[35.39823]	NA			NA		
2,4-D	ND	(42)	[35.32320]	ND	(42)	[35.39823]	NA			NA		
2,4-DB	ND	(32)	[35.32320]	ND	(32)	[35.39823]	NA			NA		
Dalapon	ND	(200)	[35.32320]	ND	(210)	[35.39823]	NA			NA		
Dicamba	ND	(9.5)	[35.32320]	ND	(9.6)	[35.39823]	NA			NA		
Dichloroprop	3.3 J	(23)	[35.32320]	4.2 J	(23)	[35.39823]	NA			NA		
Dinoseb	ND	(5.3)	[35.32320]	ND	(5.3)	[35.39823]	NA			NA		
MCPA	ND	(8800)	[35.32320]	ND	(8800)	[35.39823]	NA			NA		
MCPP	ND	(6800)	[35.32320]	ND	(6800)	[35.39823]	NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.3)	[1.061571]	ND	(5.3)	[1.063716]	ND	(5.7)	[1.140250]	ND	(5.3)	[1.069289]
1,1,2,2-Tetrachloroethane	ND	(5.3)	[1.061571]	ND	(5.3)	[1.063716]	ND	(5.7)	[1.140250]	ND	(5.3)	[1.069289]
1,1,2-Trichloroethane	ND	(5.3)	[1.061571]	ND	(5.3)	[1.063716]	ND	(5.7)	[1.140250]	ND	(5.3)	[1.069289]
1,1-Dichloroethane	ND	(5.3)	[1.061571]	ND	(5.3)	[1.063716]	ND	(5.7)	[1.140250]	ND	(5.3)	[1.069289]
1,1-Dichloroethene	ND	(5.3)	[1.061571]	ND	(5.3)	[1.063716]	ND	(5.7)	[1.140250]	ND	(5.3)	[1.069289]
1,2,3-Trichloropropane	ND	(5.3)	[1.061571]	ND	(5.3)	[1.063716]	ND	(5.7)	[1.140250]	ND	(5.3)	[1.069289]
1,2-Dichloroethane	ND	(5.3)	[1.061571]	ND	(5.3)	[1.063716]	ND	(5.7)	[1.140250]	ND	(5.3)	[1.069289]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)							
	NONE 11 CAN97-11-09 39 - 41		NONE 11 CAN97-11-99 Dup of CAN97-11-09 39 - 41		NONE 11 CAN97-11-10 46 - 48		NONE 11 CAN97-11-11 51 - 53	
1,2-Dichloropropane	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
2-Chloroethyl vinyl ether	ND	(11) [1.061571]	ND	(11) [1.063716]	ND	(11) [1.140250]	ND	(11) [1.069289]
2-Hexanone	ND	(53) [1.061571]	ND	(53) [1.063716]	ND	(57) [1.140250]	ND	(53) [1.069289]
4-Methyl-2-pentanone(MIBK)	ND	(53) [1.061571]	ND	(53) [1.063716]	ND	(57) [1.140250]	ND	(53) [1.069289]
Acetone	ND	(110) [1.061571]	ND	(110) [1.063716]	ND	(110) [1.140250]	ND	(110) [1.069289]
Acrolein	ND	(80) [1.061571]	ND	(80) [1.063716]	ND	(86) [1.140250]	ND	(80) [1.069289]
Acrylonitrile	ND	(53) [1.061571]	ND	(53) [1.063716]	ND	(57) [1.140250]	ND	(53) [1.069289]
Benzene	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Bromodichloromethane	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Bromomethane	ND	(11) [1.061571]	ND	(11) [1.063716]	ND	(11) [1.140250]	ND	(11) [1.069289]
Carbon disulfide	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Carbon tetrachloride	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Chlorobenzene	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Chloroethane	ND	(11) [1.061571]	ND	(11) [1.063716]	ND	(11) [1.140250]	ND	(11) [1.069289]
Chloroform	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Chloromethane	ND	(11) [1.061571]	ND	(11) [1.063716]	ND	(11) [1.140250]	ND	(11) [1.069289]
Dibromochloromethane	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Dibromomethane	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Dichlorodifluoromethane	ND	(21) [1.061571]	ND	(21) [1.063716]	ND	(23) [1.140250]	ND	(21) [1.069289]
Ethyl acetate	21	() [1.061571]	38	() [1.063716]	48	() [1.140250]	11	() [1.069289]
Ethyl benzene	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Ethyl methacrylate	ND	(16) [1.061571]	ND	(16) [1.063716]	ND	(17) [1.140250]	ND	(16) [1.069289]
Iodomethane	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Methyl acetate	NA		8.1	() [1.063716]	NA		9.2	() [1.069289]
Methyl ethyl ketone	ND	(110) [1.061571]	ND	(110) [1.063716]	ND	(110) [1.140250]	ND	(110) [1.069289]
Methylene chloride	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Styrene	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Tetrachloroethene	ND	(5.3) [1.061571]	ND	(5.3) [1.063716]	ND	(5.7) [1.140250]	ND	(5.3) [1.069289]
Toluene	ND	(5.3) [1.061571]	1.6 J	(5.3) [1.063716]	5.7 @	(5.7) [1.140250]	0.98 J	(5.3) [1.069289]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)								
	NONE	11	CAN97-11-09	39 - 41	NONE	11	CAN97-11-99 Dup of CAN97-11-09	39 - 41	NONE	11	CAN97-11-10	46 - 48	NONE	11	CAN97-11-11	51 - 53
Tribromomethane(Bromoform)	ND	(5.3)	[1.061571]		ND	(5.3)	[1.063716]		ND	(5.7)	[1.140250]		ND	(5.3)	[1.069289]	
Trichloroethene	ND	(5.3)	[1.061571]		ND	(5.3)	[1.063716]		ND	(5.7)	[1.140250]		ND	(5.3)	[1.069289]	
Trichlorofluoromethane	ND	(11)	[1.061571]		ND	(11)	[1.063716]		ND	(11)	[1.140250]		ND	(11)	[1.069289]	
Unknown hydrocarbon	NA				9.1	()	[1.063716]		NA				NA			
Vinyl acetate	ND	(5.3)	[1.061571]		ND	(5.3)	[1.063716]		ND	(5.7)	[1.140250]		ND	(5.3)	[1.069289]	
Vinyl chloride	ND	(11)	[1.061571]		ND	(11)	[1.063716]		ND	(11)	[1.140250]		ND	(11)	[1.069289]	
Xylenes	ND	(5.3)	[1.061571]		ND	(5.3)	[1.063716]		ND	(5.7)	[1.140250]		ND	(5.3)	[1.069289]	
cis-1,3-Dichloropropene	ND	(5.3)	[1.061571]		ND	(5.3)	[1.063716]		ND	(5.7)	[1.140250]		ND	(5.3)	[1.069289]	
trans-1,2-Dichloroethene	ND	(5.3)	[1.061571]		ND	(5.3)	[1.063716]		ND	(5.7)	[1.140250]		ND	(5.3)	[1.069289]	
trans-1,3-Dichloropropene	ND	(5.3)	[1.061571]		ND	(5.3)	[1.063716]		ND	(5.7)	[1.140250]		ND	(5.3)	[1.069289]	
trans-1,4-Dichloro-2-butene	ND	(11)	[1.061571]		ND	(11)	[1.063716]		ND	(11)	[1.140250]		ND	(11)	[1.069289]	
SW8270 - Semivolatile Organics (ug/kg)																
1,2,4,5-Tetrachlorobenzene	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
1,2,4-Trichlorobenzene	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
1,2-Dichlorobenzene	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
1,2-Diphenylhydrazine	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
1,3-Dichlorobenzene	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
1,4-Dichlorobenzene	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
1-Chloronaphthalene	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
1-Naphthylamine	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
2,3,4,6-Tetrachlorophenol	ND	(710)	[0.035385]		ND	(710)	[0.035457]		ND	(760)	[0.038008]		ND	(710)	[0.035642]	
2,4,5-Trichlorophenol	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
2,4,6-Trichlorophenol	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
2,4-Dichlorophenol	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
2,4-Dimethylphenol	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
2,4-Dinitrophenol	ND	(1800)	[0.035385]		ND	(1800)	[0.035457]		ND	(1900)	[0.038008]		ND	(1800)	[0.035642]	
2,4-Dinitrotoluene	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
2,6-Dichlorophenol	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	
2,6-Dinitrotoluene	ND	(350)	[0.035385]		ND	(350)	[0.035457]		ND	(380)	[0.038008]		ND	(360)	[0.035642]	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 11 CAN97-11-09 39 - 41			NONE 11 CAN97-11-99 Dup of CAN97-11-09 39 - 41			NONE 11 CAN97-11-10 46 - 48			NONE 11 CAN97-11-11 51 - 53		
2-Chloronaphthalene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
2-Chlorophenol	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
2-Methylnaphthalene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
2-Methylphenol(o-cresol)	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
2-Naphthylamine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
2-Nitroaniline	ND	(1800)	[0.035385]	ND	(1800)	[0.035457]	ND	(1900)	[0.038008]	ND	(1800)	[0.035642]
2-Nitrophenol	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
2-Picoline	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
3,3'-Dichlorobenzidine	ND	(710)	[0.035385]	ND	(710)	[0.035457]	ND	(760)	[0.038008]	ND	(710)	[0.035642]
3-Methylcholanthrene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
3-Nitroaniline	ND	(1800)	[0.035385]	ND	(1800)	[0.035457]	ND	(1900)	[0.038008]	ND	(1800)	[0.035642]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035385]	ND	(1800)	[0.035457]	ND	(1900)	[0.038008]	ND	(1800)	[0.035642]
4-Aminobiphenyl	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
4-Bromophenyl phenyl ether	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
4-Chloro-3-methylphenol	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
4-Chlorophenyl phenyl ether	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
4-Methylphenol(p-cresol)	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
4-Nitroaniline	ND	(1800)	[0.035385]	ND	(1800)	[0.035457]	ND	(1900)	[0.038008]	ND	(1800)	[0.035642]
4-Nitrophenol	ND	(1800)	[0.035385]	ND	(1800)	[0.035457]	ND	(1900)	[0.038008]	ND	(1800)	[0.035642]
7,12-Dimethylbenz(a)anthracene	ND	(880)	[0.035385]	ND	(890)	[0.035457]	ND	(950)	[0.038008]	ND	(890)	[0.035642]
Acenaphthene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Acenaphthylene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Acetophenone	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Aniline	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Anthracene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Benzidine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Benzo(a)anthracene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Benzo(a)pyrene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Benzo(b)fluoranthene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 11 CAN97-11-09 39 - 41			NONE 11 CAN97-11-99 Dup of CAN97-11-09 39 - 41			NONE 11 CAN97-11-10 46 - 48			NONE 11 CAN97-11-11 51 - 53		
Benzo(g,h,i)perylene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Benzo(k)fluoranthene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Benzoic acid	ND	(1800)	[0.035385]	ND	(1800)	[0.035457]	ND	(1900)	[0.038008]	ND	(1800)	[0.035642]
Benzyl alcohol	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Butylbenzylphthalate	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Chrysene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Di-n-octylphthalate	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Dibenz(a,h)anthracene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Dibenz(a,j)acridine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Dibenzofuran	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Dibutylphthalate	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Diethylphthalate	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Dimethylphenethylamine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Dimethylphthalate	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Diphenylamine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Ethyl methanesulfonate	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Fluoranthene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Fluorene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Hexachlorobenzene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Hexachlorobutadiene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Hexachlorocyclopentadiene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Hexachloroethane	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Isophorone	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Methyl methanesulfonate	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
N-Nitroso-di-n-butylamine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
N-Nitrosodimethylamine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
N-Nitrosodiphenylamine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
N-Nitrosodipropylamine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 11 CAN97-11-09 39 - 41			NONE 11 CAN97-11-99 Dup of CAN97-11-09 39 - 41			NONE 11 CAN97-11-10 46 - 48			NONE 11 CAN97-11-11 51 - 53		
N-Nitrosopiperidine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Naphthalene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Nitrobenzene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Pentachlorobenzene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Pentachloronitrobenzene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Pentachlorophenol	ND	(1800)	[0.035385]	ND	(1800)	[0.035457]	ND	(1900)	[0.038008]	ND	(1800)	[0.035642]
Phenacetin	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Phenanthrene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Phenol	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Pronamide	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Pyrene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Pyridine	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
Unknown	NA			NA			NA			140	(0)	[0.035642]
bis(2-Chloroethoxy)methane	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
bis(2-Chloroethyl)ether	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
bis(2-Ethylhexyl)phthalate	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	36 JB	(360)	[0.035642]
p-Chloroaniline	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]
p-Dimethylaminoazobenzene	ND	(350)	[0.035385]	ND	(350)	[0.035457]	ND	(380)	[0.038008]	ND	(360)	[0.035642]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			
	NONE 11 CAN97-11-12 54 - 56	NONE 11 CAN97-11-13 59 - 61	NONE 12 CAN97-12-06 5 - 7	NONE 12 CAN97-12-I 4 - 6
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)				
Hydrocarbons	ND (26) [5.279831]	ND (26) [5.219206]	ND (26) [5.231033]	35 @ (26) [5.197781]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)				
Benzene (2)	NA	NA	ND (32) [106]	NA
Diesel (2)	NA	NA	21000 GB@ (4900) [98.03921]	NA
Ethylbenzene (2)	NA	NA	ND (32) [106]	NA
Gasoline (2)	NA	NA	ND (5300) [106]	NA
Jet fuel (2)	NA	NA	ND (9800) [98.03921]	NA
Kerosene (2)	NA	NA	ND (9800) [98.03921]	NA
Toluene (2)	NA	NA	ND (32) [106]	NA
Xylenes (total) (2)	NA	NA	ND (53) [106]	NA
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)				
4,4'-DDD	ND (0.35) [35.21126]	ND (0.35) [34.75842]	ND (0.35) [35.23608]	ND (0.35) [35.10003]
4,4'-DDE	ND (0.35) [35.21126]	ND (0.35) [34.75842]	ND (0.35) [35.23608]	ND (0.35) [35.10003]
4,4'-DDT	ND (0.7) [35.21126]	ND (0.7) [34.75842]	ND (0.7) [35.23608]	1.4 @ (0.7) [35.10003]
Aldrin	ND (0.35) [35.21126]	ND (0.35) [34.75842]	ND (0.35) [35.23608]	ND (0.35) [35.10003]
Chlordane	ND (1.8) [35.21126]	ND (1.7) [34.75842]	ND (1.8) [35.23608]	ND (1.8) [35.10003]
Dieldrin	ND (0.35) [35.21126]	ND (0.35) [34.75842]	ND (0.35) [35.23608]	ND (0.35) [35.10003]
Endosulfan I	ND (0.35) [35.21126]	ND (0.35) [34.75842]	ND (0.35) [35.23608]	ND (0.35) [35.10003]
Endosulfan II	ND (1.1) [35.21126]	ND (1) [34.75842]	ND (1.1) [35.23608]	ND (1.1) [35.10003]
Endosulfan Sulfate	ND (1.8) [35.21126]	ND (1.7) [34.75842]	ND (1.8) [35.23608]	ND (1.8) [35.10003]
Endrin	ND (0.35) [35.21126]	ND (0.35) [34.75842]	ND (0.35) [35.23608]	ND (0.35) [35.10003]
Endrin Aldehyde	ND (0.7) [35.21126]	ND (0.7) [34.75842]	ND (0.7) [35.23608]	ND (0.7) [35.10003]
Endrin Ketone	ND (1.8) [35.21126]	ND (1.7) [34.75842]	ND (1.8) [35.23608]	ND (1.8) [35.10003]
Heptachlor	ND (0.35) [35.21126]	ND (0.35) [34.75842]	ND (0.35) [35.23608]	ND (0.35) [35.10003]
Heptachlor epoxide	ND (0.35) [35.21126]	ND (0.35) [34.75842]	ND (0.35) [35.23608]	0.11 J (0.35) [35.10003]
Methoxychlor	ND (1.8) [35.21126]	ND (1.7) [34.75842]	ND (1.8) [35.23608]	ND (1.8) [35.10003]
PCB-1016	ND (3.5) [35.21126]	ND (3.5) [34.75842]	ND (3.5) [35.23608]	ND (3.5) [35.10003]
PCB-1221	ND (7) [35.21126]	ND (7) [34.75842]	ND (7) [35.23608]	ND (7) [35.10003]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-12 54 - 56			NONE 11 CAN97-11-13 59 - 61			NONE 12 CAN97-12-06 5 - 7			NONE 12 CAN97-12-I 4 - 6		
PCB-1232	ND	(7)	[35.21126]	ND	(7)	[34.75842]	ND	(7)	[35.23608]	ND	(7)	[35.10003]
PCB-1242	ND	(3.5)	[35.21126]	ND	(3.5)	[34.75842]	ND	(3.5)	[35.23608]	ND	(3.5)	[35.10003]
PCB-1248	ND	(3.5)	[35.21126]	ND	(3.5)	[34.75842]	ND	(3.5)	[35.23608]	ND	(3.5)	[35.10003]
PCB-1254	ND	(7)	[35.21126]	ND	(7)	[34.75842]	ND	(7)	[35.23608]	ND	(7)	[35.10003]
PCB-1260	ND	(7)	[35.21126]	ND	(7)	[34.75842]	ND	(7)	[35.23608]	ND	(7)	[35.10003]
Toxaphene	ND	(18)	[35.21126]	ND	(17)	[34.75842]	ND	(18)	[35.23608]	ND	(18)	[35.10003]
alpha-BHC	ND	(0.35)	[35.21126]	ND	(0.35)	[34.75842]	ND	(0.35)	[35.23608]	ND	(0.35)	[35.10003]
beta-BHC	ND	(0.35)	[35.21126]	ND	(0.35)	[34.75842]	ND	(0.35)	[35.23608]	ND	(0.35)	[35.10003]
delta-BHC	ND	(0.35)	[35.21126]	ND	(0.35)	[34.75842]	ND	(0.35)	[35.23608]	ND	(0.35)	[35.10003]
gamma-BHC	ND	(0.35)	[35.21126]	ND	(0.35)	[34.75842]	ND	(0.35)	[35.23608]	ND	(0.35)	[35.10003]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			ND	(7.1)	[35.27336]	NA		
2,4,5-TP (Silvex)	NA			NA			ND	(6)	[35.27336]	NA		
2,4-D	NA			NA			ND	(42)	[35.27336]	NA		
2,4-DB	NA			NA			ND	(32)	[35.27336]	NA		
Dalapon	NA			NA			ND	(200)	[35.27336]	NA		
Dicamba	NA			NA			ND	(9.5)	[35.27336]	NA		
Dichloroprop	NA			NA			ND	(23)	[35.27336]	NA		
Dinoseb	NA			NA			ND	(5.3)	[35.27336]	NA		
MCPA	NA			NA			ND	(8800)	[35.27336]	NA		
MCPP	NA			NA			ND	(6800)	[35.27336]	NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
1,1,2,2-Tetrachloroethane	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
1,1,2-Trichloroethane	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
1,1-Dichloroethane	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
1,1-Dichloroethene	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
1,2,3-Trichloropropane	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
1,2-Dichloroethane	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)							
	NONE 11 CAN97-11-12 54 - 56		NONE 11 CAN97-11-13 59 - 61		NONE 12 CAN97-12-06 5 - 7		NONE 12 CAN97-12-I 4 - 6	
1,2-Dichloropropane	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
2-Chloroethyl vinyl ether	ND	(11) [1.056412]	ND	(10) [1.043296]	ND	(11) [1.058761]	ND	(11) [1.054629]
2-Hexanone	ND	(53) [1.056412]	ND	(52) [1.043296]	ND	(53) [1.058761]	ND	(53) [1.054629]
4-Methyl-2-pentanone(MIBK)	ND	(53) [1.056412]	ND	(52) [1.043296]	ND	(53) [1.058761]	ND	(53) [1.054629]
Acetone	ND	(110) [1.056412]	ND	(100) [1.043296]	ND	(110) [1.058761]	ND	(110) [1.054629]
Acrolein	ND	(79) [1.056412]	ND	(78) [1.043296]	ND	(79) [1.058761]	ND	(79) [1.054629]
Acrylonitrile	ND	(53) [1.056412]	ND	(52) [1.043296]	ND	(53) [1.058761]	ND	(53) [1.054629]
Benzene	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Bromodichloromethane	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Bromomethane	ND	(11) [1.056412]	ND	(10) [1.043296]	ND	(11) [1.058761]	ND	(11) [1.054629]
Carbon disulfide	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Carbon tetrachloride	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Chlorobenzene	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Chloroethane	ND	(11) [1.056412]	ND	(10) [1.043296]	ND	(11) [1.058761]	ND	(11) [1.054629]
Chloroform	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Chloromethane	ND	(11) [1.056412]	ND	(10) [1.043296]	ND	(11) [1.058761]	ND	(11) [1.054629]
Dibromochloromethane	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Dibromomethane	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Dichlorodifluoromethane	ND	(21) [1.056412]	ND	(21) [1.043296]	ND	(21) [1.058761]	ND	(21) [1.054629]
Ethyl acetate	110	() [1.056412]	5.9	() [1.043296]	NA		NA	
Ethyl benzene	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Ethyl methacrylate	ND	(16) [1.056412]	ND	(16) [1.043296]	ND	(16) [1.058761]	ND	(16) [1.054629]
Iodomethane	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Methyl acetate	8.4	() [1.056412]	7.4	() [1.043296]	NA		NA	
Methyl ethyl ketone	ND	(110) [1.056412]	ND	(100) [1.043296]	ND	(110) [1.058761]	ND	(110) [1.054629]
Methylene chloride	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Styrene	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Tetrachloroethene	ND	(5.3) [1.056412]	ND	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]
Toluene	4.4 J	(5.3) [1.056412]	0.97 J	(5.2) [1.043296]	ND	(5.3) [1.058761]	ND	(5.3) [1.054629]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 11 CAN97-11-12 54 - 56			NONE 11 CAN97-11-13 59 - 61			NONE 12 CAN97-12-06 5 - 7			NONE 12 CAN97-12-I 4 - 6		
Tribromomethane(Bromoform)	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
Trichloroethene	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
Trichlorofluoromethane	ND	(11)	[1.056412]	ND	(10)	[1.043296]	ND	(11)	[1.058761]	ND	(11)	[1.054629]
Vinyl acetate	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
Vinyl chloride	ND	(11)	[1.056412]	ND	(10)	[1.043296]	ND	(11)	[1.058761]	ND	(11)	[1.054629]
Xylenes	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
cis-1,3-Dichloropropene	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
trans-1,2-Dichloroethene	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
trans-1,3-Dichloropropene	ND	(5.3)	[1.056412]	ND	(5.2)	[1.043296]	ND	(5.3)	[1.058761]	ND	(5.3)	[1.054629]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.056412]	ND	(10)	[1.043296]	ND	(11)	[1.058761]	ND	(11)	[1.054629]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
1,2,4-Trichlorobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
1,2-Dichlorobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
1,2-Diphenylhydrazine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
1,3-Dichlorobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
1,4-Dichlorobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
1-Chloronaphthalene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
1-Naphthylamine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2,3,4,6-Tetrachlorophenol	ND	(700)	[0.035213]	ND	(700)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2,4,5-Trichlorophenol	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2,4,6-Trichlorophenol	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2,4-Dichlorophenol	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2,4-Dimethylphenol	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2,4-Dinitrophenol	ND	(1800)	[0.035213]	ND	(1700)	[0.034776]	ND	(710)	[0.035292]	ND	(700)	[0.035095]
2,4-Dinitrotoluene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2,6-Dichlorophenol	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2,6-Dinitrotoluene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
2-Chloronaphthalene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 11 CAN97-11-12 54 - 56	NONE 11 CAN97-11-13 59 - 61	NONE 12 CAN97-12-06 5 - 7	NONE 12 CAN97-12-I 4 - 6
2-Chlorophenol	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
2-Methylnaphthalene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
2-Methylphenol(o-cresol)	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
2-Naphthylamine	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
2-Nitroaniline	ND	(1800)	[0.035213]	ND (1700) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
2-Nitrophenol	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
2-Picoline	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
3,3'-Dichlorobenzidine	ND	(700)	[0.035213]	ND (700) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
3-Methylcholanthrene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
3-Nitroaniline	ND	(1800)	[0.035213]	ND (1700) [0.034776]	ND (710) [0.035292]	ND (700) [0.035095]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035213]	ND (1700) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
4-Aminobiphenyl	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
4-Bromophenyl phenyl ether	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
4-Chloro-3-methylphenol	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
4-Chlorophenyl phenyl ether	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
4-Methylphenol(p-cresol)	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
4-Nitroaniline	ND	(1800)	[0.035213]	ND (1700) [0.034776]	ND (710) [0.035292]	ND (700) [0.035095]
4-Nitrophenol	ND	(1800)	[0.035213]	ND (1700) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
7,12-Dimethylbenz(a)anthracene	ND	(880)	[0.035213]	ND (870) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Acenaphthene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Acenaphthylene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Acetophenone	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Aniline	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Anthracene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Benzidine	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Benzo(a)anthracene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Benzo(a)pyrene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Benzo(b)fluoranthene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]
Benzo(g,h,i)perylene	ND	(350)	[0.035213]	ND (350) [0.034776]	ND (350) [0.035292]	ND (350) [0.035095]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-12 54 - 56			NONE 11 CAN97-11-13 59 - 61			NONE 12 CAN97-12-06 5 - 7			NONE 12 CAN97-12-I 4 - 6		
Benzo(k)fluoranthene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Benzoic acid	ND	(1800)	[0.035213]	ND	(1700)	[0.034776]	ND	(1800)	[0.035292]	ND	(1800)	[0.035095]
Benzyl alcohol	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Butylbenzylphthalate	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Chrysene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Di-n-octylphthalate	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Dibenz(a,h)anthracene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Dibenz(a,j)acridine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Dibenzofuran	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Dibutylphthalate	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Diethylphthalate	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Dimethylphenethylamine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(4200)	[0.035292]	ND	(4200)	[0.035095]
Dimethylphthalate	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Diphenylamine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Ethyl methanesulfonate	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Fluoranthene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	18 J	(350)	[0.035095]
Fluorene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Hexachlorobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Hexachlorobutadiene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Hexachlorocyclopentadiene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Hexachloroethane	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Isophorone	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Methyl methanesulfonate	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(1800)	[0.035292]	ND	(1800)	[0.035095]
N-Nitroso-di-n-butylamine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
N-Nitrosodimethylamine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
N-Nitrosodiphenylamine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
N-Nitrosodipropylamine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
N-Nitrosopiperidine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-12 54 - 56			NONE 11 CAN97-11-13 59 - 61			NONE 12 CAN97-12-06 5 - 7			NONE 12 CAN97-12-I 4 - 6		
Naphthalene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Nitrobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Pentachlorobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Pentachloronitrobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Pentachlorophenol	ND	(1800)	[0.035213]	ND	(1700)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Phenacetin	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Phenanthrene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	16 J	(350)	[0.035095]
Phenol	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Pronamide	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Pyrene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	14 J	(350)	[0.035095]
Pyridine	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
Unknown	210	(0)	[0.035213]	NA			250	(0)	[0.035292]	460	(0)	[0.035095]
Unknown aldehyde	NA			NA			NA			240	(0)	[0.035095]
Unknown alkane	NA			NA			NA			350	(0)	[0.035095]
Unknown carboxylic acid	NA			NA			NA			240	(0)	[0.035095]
bis(2-Chloroethoxy)methane	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
bis(2-Chloroethyl)ether	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
bis(2-Ethylhexyl)phthalate	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	11 J	(350)	[0.035095]
p-Chloroaniline	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]
p-Dimethylaminoazobenzene	ND	(350)	[0.035213]	ND	(350)	[0.034776]	ND	(350)	[0.035292]	ND	(350)	[0.035095]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 12 CAN97-12-S 0 - 2			NONE 13 CAN97-13-06 5 - 7			NONE 13 CAN97-13-I 4 - 6			NONE 13 CAN97-13-S 0 - 2		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	67 @	(25)	[5.007431]	ND	(28)	[5.567860]	12 @	(27)	[5.382210]	62 @	(25)	[5.030571]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			NA			ND	(32)	[107]	NA		
Diesel (2)	NA			NA			18000 GB@	(5400)	[107.5268]	NA		
Ethylbenzene (2)	NA			NA			ND	(32)	[107]	NA		
Gasoline (2)	NA			NA			ND	(5400)	[107]	NA		
Jet fuel (2)	NA			NA			ND	(11000)	[107.5268]	NA		
Kerosene (2)	NA			NA			ND	(11000)	[107.5268]	NA		
Toluene (2)	NA			NA			ND	(32)	[107]	NA		
Xylenes (total) (2)	NA			NA			ND	(54)	[107]	NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
4,4'-DDE	8.4 @	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	4.3 @	(3.4)	[339.4433]
4,4'-DDT	3.8 J	(6.7)	[336.2474]	ND	(0.76)	[37.75009]	0.69 J	(0.72)	[36.08805]	2.4 J	(6.8)	[339.4433]
Aldrin	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	1.9 J	(3.4)	[339.4433]
Chlordane	ND	(17)	[336.2474]	ND	(1.9)	[37.75009]	ND	(1.8)	[36.08805]	ND	(17)	[339.4433]
Dieldrin	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
Endosulfan I	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
Endosulfan II	ND	(10)	[336.2474]	ND	(1.1)	[37.75009]	ND	(1.1)	[36.08805]	ND	(10)	[339.4433]
Endosulfan Sulfate	ND	(17)	[336.2474]	ND	(1.9)	[37.75009]	ND	(1.8)	[36.08805]	ND	(17)	[339.4433]
Endrin	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
Endrin Aldehyde	ND	(6.7)	[336.2474]	ND	(0.76)	[37.75009]	ND	(0.72)	[36.08805]	ND	(6.8)	[339.4433]
Endrin Ketone	ND	(17)	[336.2474]	ND	(1.9)	[37.75009]	ND	(1.8)	[36.08805]	ND	(17)	[339.4433]
Heptachlor	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
Heptachlor epoxide	ND	(3.4)	[336.2474]	0.07 J	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
Methoxychlor	ND	(17)	[336.2474]	ND	(1.9)	[37.75009]	ND	(1.8)	[36.08805]	ND	(17)	[339.4433]
PCB-1016	ND	(34)	[336.2474]	ND	(3.8)	[37.75009]	ND	(3.6)	[36.08805]	ND	(34)	[339.4433]
PCB-1221	ND	(67)	[336.2474]	ND	(7.6)	[37.75009]	ND	(7.2)	[36.08805]	ND	(68)	[339.4433]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 12 CAN97-12-S 0 - 2			NONE 13 CAN97-13-06 5 - 7			NONE 13 CAN97-13-I 4 - 6			NONE 13 CAN97-13-S 0 - 2		
PCB-1232	ND	(67)	[336.2474]	ND	(7.6)	[37.75009]	ND	(7.2)	[36.08805]	ND	(68)	[339.4433]
PCB-1242	ND	(34)	[336.2474]	ND	(3.8)	[37.75009]	ND	(3.6)	[36.08805]	ND	(34)	[339.4433]
PCB-1248	ND	(34)	[336.2474]	ND	(3.8)	[37.75009]	ND	(3.6)	[36.08805]	ND	(34)	[339.4433]
PCB-1254	ND	(67)	[336.2474]	ND	(7.6)	[37.75009]	ND	(7.2)	[36.08805]	ND	(68)	[339.4433]
PCB-1260	ND	(67)	[336.2474]	ND	(7.6)	[37.75009]	ND	(7.2)	[36.08805]	ND	(68)	[339.4433]
Toxaphene	ND	(170)	[336.2474]	ND	(19)	[37.75009]	ND	(18)	[36.08805]	ND	(170)	[339.4433]
alpha-BHC	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
beta-BHC	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
delta-BHC	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
gamma-BHC	ND	(3.4)	[336.2474]	ND	(0.38)	[37.75009]	ND	(0.36)	[36.08805]	ND	(3.4)	[339.4433]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			0.88 J	(7.2)	[36.20564]	NA		
2,4,5-TP (Silvex)	NA			NA			2.9 J	(6.2)	[36.20564]	NA		
2,4-D	NA			NA			ND	(43)	[36.20564]	NA		
2,4-DB	NA			NA			ND	(33)	[36.20564]	NA		
Dalapon	NA			NA			ND	(210)	[36.20564]	NA		
Dicamba	NA			NA			ND	(9.8)	[36.20564]	NA		
Dichloroprop	NA			NA			ND	(24)	[36.20564]	NA		
Dinoseb	NA			NA			ND	(5.4)	[36.20564]	NA		
MCPA	NA			NA			ND	(9000)	[36.20564]	NA		
MCPP	NA			NA			2000 J	(7000)	[36.20564]	NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
1,1,2,2-Tetrachloroethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
1,1,2-Trichloroethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
1,1-Dichloroethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
1,1-Dichloroethene	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
1,2,3-Trichloropropane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
1,2-Dichloroethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 12 CAN97-12-S 0 - 2			NONE 13 CAN97-13-06 5 - 7			NONE 13 CAN97-13-I 4 - 6			NONE 13 CAN97-13-S 0 - 2		
1,2-Dichloropropane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
2-Chloroethyl vinyl ether	ND	(10)	[1.009998]	ND	(11)	[1.132502]	ND	(11)	[1.086130]	ND	(10)	[1.020199]
2-Hexanone	ND	(50)	[1.009998]	ND	(57)	[1.132502]	ND	(54)	[1.086130]	ND	(51)	[1.020199]
4-Methyl-2-pentanone(MIBK)	ND	(50)	[1.009998]	ND	(57)	[1.132502]	ND	(54)	[1.086130]	ND	(51)	[1.020199]
Acetone	ND	(100)	[1.009998]	12 J	(110)	[1.132502]	ND	(110)	[1.086130]	ND	(100)	[1.020199]
Acrolein	ND	(76)	[1.009998]	ND	(85)	[1.132502]	ND	(81)	[1.086130]	ND	(77)	[1.020199]
Acrylonitrile	ND	(50)	[1.009998]	ND	(57)	[1.132502]	ND	(54)	[1.086130]	ND	(51)	[1.020199]
Benzene	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	2.7 J	(5.1)	[1.020199]
Bromodichloromethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Bromomethane	ND	(10)	[1.009998]	ND	(11)	[1.132502]	ND	(11)	[1.086130]	ND	(10)	[1.020199]
Carbon disulfide	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Carbon tetrachloride	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Chlorobenzene	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Chloroethane	ND	(10)	[1.009998]	ND	(11)	[1.132502]	ND	(11)	[1.086130]	ND	(10)	[1.020199]
Chloroform	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Chloromethane	ND	(10)	[1.009998]	ND	(11)	[1.132502]	ND	(11)	[1.086130]	ND	(10)	[1.020199]
Dibromochloromethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Dibromomethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Dichlorodifluoromethane	ND	(20)	[1.009998]	ND	(23)	[1.132502]	ND	(22)	[1.086130]	ND	(20)	[1.020199]
Ethyl benzene	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Ethyl methacrylate	ND	(15)	[1.009998]	ND	(17)	[1.132502]	ND	(16)	[1.086130]	ND	(15)	[1.020199]
Iodomethane	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Methyl ethyl ketone	ND	(100)	[1.009998]	ND	(110)	[1.132502]	ND	(110)	[1.086130]	ND	(100)	[1.020199]
Methylene chloride	32	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	11 @	(5.1)	[1.020199]
Styrene	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Tetrachloroethene	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Toluene	2.4 J	(5)	[1.009998]	1 J	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	37	(5.1)	[1.020199]
Tribromomethane(Bromoform)	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]
Trichloroethene	ND	(5)	[1.009998]	ND	(5.7)	[1.132502]	ND	(5.4)	[1.086130]	ND	(5.1)	[1.020199]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)											
	NONE	12	CAN97-12-S	0 - 2			NONE	13	CAN97-13-06	5 - 7			NONE	13	CAN97-13-I	4 - 6			NONE	13	CAN97-13-S	0 - 2		
Trichlorofluoromethane	ND		(10)	[1.009998]	ND		(11)	[1.132502]	ND		(11)	[1.086130]	ND		(10)	[1.020199]
Unknown	9.3		()	[1.009998]	NA				NA				NA					
Unknown alkane	NA				NA				NA				8		()	[1.020199]
Vinyl acetate	ND		(5)	[1.009998]	ND		(5.7)	[1.132502]	ND		(5.4)	[1.086130]	ND		(5.1)	[1.020199]
Vinyl chloride	ND		(10)	[1.009998]	ND		(11)	[1.132502]	ND		(11)	[1.086130]	ND		(10)	[1.020199]
Xylenes	ND		(5)	[1.009998]	ND		(5.7)	[1.132502]	ND		(5.4)	[1.086130]	2.6	J	(5.1)	[1.020199]
cis-1,3-Dichloropropene	ND		(5)	[1.009998]	ND		(5.7)	[1.132502]	ND		(5.4)	[1.086130]	ND		(5.1)	[1.020199]
trans-1,2-Dichloroethene	ND		(5)	[1.009998]	ND		(5.7)	[1.132502]	ND		(5.4)	[1.086130]	ND		(5.1)	[1.020199]
trans-1,3-Dichloropropene	ND		(5)	[1.009998]	ND		(5.7)	[1.132502]	ND		(5.4)	[1.086130]	ND		(5.1)	[1.020199]
trans-1,4-Dichloro-2-butene	ND		(10)	[1.009998]	ND		(11)	[1.132502]	ND		(11)	[1.086130]	ND		(10)	[1.020199]
SW8270 - Semivolatile Organics (ug/kg)																								
1,2,4,5-Tetrachlorobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
1,2,4-Trichlorobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
1,2-Dichlorobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
1,2-Diphenylhydrazine	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
1,3-Dichlorobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
1,4-Dichlorobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
1-Chloronaphthalene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
1-Naphthylamine	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2,3,4,6-Tetrachlorophenol	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2,4,5-Trichlorophenol	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2,4,6-Trichlorophenol	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2,4-Dichlorophenol	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2,4-Dimethylphenol	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2,4-Dinitrophenol	ND		(670)	[0.033666]	ND		(760)	[0.03775]	ND		(720)	[0.036204]	ND		(680)	[0.034006]
2,4-Dinitrotoluene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2,6-Dichlorophenol	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2,6-Dinitrotoluene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
2-Chloronaphthalene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 12 CAN97-12-S 0 - 2			NONE 13 CAN97-13-06 5 - 7			NONE 13 CAN97-13-I 4 - 6			NONE 13 CAN97-13-S 0 - 2		
2-Chlorophenol	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
2-Methylnaphthalene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	56 J	(340)	[0.034006]
2-Methylphenol(o-cresol)	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
2-Naphthylamine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
2-Nitroaniline	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
2-Nitrophenol	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
2-Picoline	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
3,3'-Dichlorobenzidine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
3-Methylcholanthrene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
3-Nitroaniline	ND	(670)	[0.033666]	ND	(760)	[0.03775]	ND	(720)	[0.036204]	ND	(680)	[0.034006]
4,6-Dinitro-2-methylphenol	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
4-Aminobiphenyl	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
4-Bromophenyl phenyl ether	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
4-Chloro-3-methylphenol	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
4-Chlorophenyl phenyl ether	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
4-Methylphenol(p-cresol)	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
4-Nitroaniline	ND	(670)	[0.033666]	ND	(760)	[0.03775]	ND	(720)	[0.036204]	ND	(680)	[0.034006]
4-Nitrophenol	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
7,12-Dimethylbenz(a)anthracene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Acenaphthene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Acenaphthylene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Acetophenone	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Aniline	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Anthracene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Benzidine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Benzo(a)anthracene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Benzo(a)pyrene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Benzo(b)fluoranthene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]
Benzo(g,h,i)perylene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND	(340)	[0.034006]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 12 CAN97-12-S 0 - 2			NONE 13 CAN97-13-06 5 - 7			NONE 13 CAN97-13-I 4 - 6			NONE 13 CAN97-13-S 0 - 2			
Benzo(k)fluoranthene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Benzoic acid	ND	(1700)	[0.033666]	ND	(1900)	[0.03775]	ND	(1800)	[0.036204]	87	JB	(1700)	[0.034006]
Benzyl alcohol	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Butylbenzylphthalate	47 J	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Chrysene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Di-n-octylphthalate	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Dibenz(a,h)anthracene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Dibenz(a,j)acridine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Dibenzofuran	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	12	J	(340)	[0.034006]
Dibutylphthalate	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	16	J	(340)	[0.034006]
Diethylphthalate	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Dimethylphenethylamine	ND	(4000)	[0.033666]	ND	(4500)	[0.03775]	ND	(4300)	[0.036204]	ND		(4100)	[0.034006]
Dimethylphthalate	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Diphenylamine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Ethyl methanesulfonate	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Fluoranthene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	9.5	J	(340)	[0.034006]
Fluorene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Hexachlorobenzene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Hexachlorobutadiene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Hexachlorocyclopentadiene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Hexachloroethane	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Indeno(1,2,3-cd)pyrene	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Isophorone	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
Methyl methanesulfonate	ND	(1700)	[0.033666]	ND	(1900)	[0.03775]	ND	(1800)	[0.036204]	ND		(1700)	[0.034006]
N-Nitroso-di-n-butylamine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
N-Nitrosodimethylamine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
N-Nitrosodiphenylamine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
N-Nitrosodipropylamine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]
N-Nitrosopiperidine	ND	(340)	[0.033666]	ND	(380)	[0.03775]	ND	(360)	[0.036204]	ND		(340)	[0.034006]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)															
	NONE 12 CAN97-12-S 0 - 2				NONE 13 CAN97-13-06 5 - 7				NONE 13 CAN97-13-I 4 - 6				NONE 13 CAN97-13-S 0 - 2			
Naphthalene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	39	J	(340)	[0.034006]
Nitrobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
Pentachlorobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
Pentachloronitrobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
Pentachlorophenol	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
Phenacetin	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
Phenanthrene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	15	J	(340)	[0.034006]
Phenol	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
Pronamide	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
Pyrene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	9.7	J	(340)	[0.034006]
Pyridine	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
Unknown	340		(0)	[0.033666]	NA				250		(0)	[0.036204]	510		(0)	[0.034006]
Unknown B	540		(0)	[0.033666]	NA				NA				850		(0)	[0.034006]
Unknown aldehyde	NA				NA				290		(0)	[0.036204]	NA			
Unknown alkane	200		(0)	[0.033666]	NA				360		(0)	[0.036204]	200		(0)	[0.034006]
Unknown carboxylic acid	NA				NA				290		(0)	[0.036204]	200		(0)	[0.034006]
Unknown naphthalene	NA				NA				NA				140		(0)	[0.034006]
Unknown oxirane	NA				NA				NA				480		(0)	[0.034006]
bis(2-Chloroethoxy)methane	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
bis(2-Chloroethyl)ether	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
bis(2-Chloroisopropyl)ether	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
bis(2-Ethylhexyl)phthalate	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
p-Chloroaniline	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]
p-Dimethylaminoazobenzene	ND		(340)	[0.033666]	ND		(380)	[0.03775]	ND		(360)	[0.036204]	ND		(340)	[0.034006]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2			NONE 14 CAN97-14-01 0 - 2			NONE 14 CAN97-14-02 4 - 6			NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	93 @	(25)	[5.076735]	52 @	(27)	[5.336179]	14 @	(27)	[5.364806]	20 @	(27)	[5.353319]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			NA			ND	(32)	[106]	ND	(31)	[104]
Diesel (2)	NA			NA			8700 GB@	(5400)	[108]	5800 GB@	(5400)	[108]
Ethylbenzene (2)	NA			NA			ND	(32)	[106]	ND	(31)	[104]
Gasoline (2)	NA			NA			ND	(5300)	[106]	ND	(5200)	[104]
Jet fuel (2)	NA			NA			ND	(11000)	[108]	ND	(11000)	[108]
Kerosene (2)	NA			NA			ND	(11000)	[108]	ND	(11000)	[108]
Toluene (2)	NA			NA			ND	(32)	[106]	ND	(31)	[104]
Xylenes (total) (2)	NA			NA			ND	(53)	[106]	ND	(52)	[104]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
4,4'-DDE	4.4 @	(3.4)	[341.2969]	8.8 @	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
4,4'-DDT	2.3 J	(6.8)	[341.2969]	10 @	(7.1)	[355.7452]	0.93 @	(0.72)	[35.75259]	ND	(0.71)	[35.67606]
Aldrin	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	0.44 @	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
Chlordane	ND	(17)	[341.2969]	ND	(18)	[355.7452]	ND	(1.8)	[35.75259]	ND	(1.8)	[35.67606]
Dieldrin	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
Endosulfan I	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
Endosulfan II	ND	(10)	[341.2969]	ND	(11)	[355.7452]	ND	(1.1)	[35.75259]	ND	(1.1)	[35.67606]
Endosulfan Sulfate	ND	(17)	[341.2969]	ND	(18)	[355.7452]	ND	(1.8)	[35.75259]	ND	(1.8)	[35.67606]
Endrin	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
Endrin Aldehyde	ND	(6.8)	[341.2969]	ND	(7.1)	[355.7452]	ND	(0.72)	[35.75259]	ND	(0.71)	[35.67606]
Endrin Ketone	ND	(17)	[341.2969]	ND	(18)	[355.7452]	ND	(1.8)	[35.75259]	ND	(1.8)	[35.67606]
Heptachlor	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
Heptachlor epoxide	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
Methoxychlor	ND	(17)	[341.2969]	ND	(18)	[355.7452]	ND	(1.8)	[35.75259]	ND	(1.8)	[35.67606]
PCB-1016	ND	(34)	[341.2969]	ND	(36)	[355.7452]	ND	(3.6)	[35.75259]	ND	(3.6)	[35.67606]
PCB-1221	ND	(68)	[341.2969]	ND	(71)	[355.7452]	ND	(7.2)	[35.75259]	ND	(7.1)	[35.67606]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2			NONE 14 CAN97-14-01 0 - 2			NONE 14 CAN97-14-02 4 - 6			NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6		
PCB-1232	ND	(68)	[341.2969]	ND	(71)	[355.7452]	ND	(7.2)	[35.75259]	ND	(7.1)	[35.67606]
PCB-1242	ND	(34)	[341.2969]	ND	(36)	[355.7452]	ND	(3.6)	[35.75259]	ND	(3.6)	[35.67606]
PCB-1248	ND	(34)	[341.2969]	ND	(36)	[355.7452]	ND	(3.6)	[35.75259]	ND	(3.6)	[35.67606]
PCB-1254	ND	(68)	[341.2969]	ND	(71)	[355.7452]	ND	(7.2)	[35.75259]	ND	(7.1)	[35.67606]
PCB-1260	ND	(68)	[341.2969]	ND	(71)	[355.7452]	ND	(7.2)	[35.75259]	ND	(7.1)	[35.67606]
Toxaphene	ND	(170)	[341.2969]	ND	(180)	[355.7452]	ND	(18)	[35.75259]	ND	(18)	[35.67606]
alpha-BHC	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
beta-BHC	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
delta-BHC	ND	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
gamma-BHC	1.6 J	(3.4)	[341.2969]	ND	(3.6)	[355.7452]	ND	(0.36)	[35.75259]	ND	(0.36)	[35.67606]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			ND	(7.1)	[35.63791]	ND	(7.1)	[35.54923]
2,4,5-TP (Silvex)	NA			NA			ND	(6.1)	[35.63791]	ND	(6)	[35.54923]
2,4-D	NA			NA			ND	(43)	[35.63791]	ND	(43)	[35.54923]
2,4-DB	NA			NA			ND	(32)	[35.63791]	ND	(32)	[35.54923]
Dalapon	NA			NA			ND	(210)	[35.63791]	ND	(210)	[35.54923]
Dicamba	NA			NA			ND	(9.6)	[35.63791]	ND	(9.6)	[35.54923]
Dichloroprop	NA			NA			3.8 J	(23)	[35.63791]	ND	(23)	[35.54923]
Dinoseb	NA			NA			ND	(5.3)	[35.63791]	ND	(5.3)	[35.54923]
MCPA	NA			NA			ND	(8900)	[35.63791]	ND	(8900)	[35.54923]
MCPP	NA			NA			ND	(6800)	[35.63791]	ND	(6800)	[35.54923]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
1,1,2,2-Tetrachloroethane	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
1,1,2-Trichloroethane	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
1,1-Dichloroethane	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
1,1-Dichloroethene	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
1,2,3-Trichloropropane	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
1,2-Dichloroethane	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)							
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2		NONE 14 CAN97-14-01 0 - 2		NONE 14 CAN97-14-02 4 - 6		NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6	
1,2-Dichloropropane	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
2-Chloroethyl vinyl ether	ND	(10) [1.024485]	ND	(11) [1.067235]	ND	(11) [1.072501]	ND	(11) [1.069175]
2-Hexanone	ND	(51) [1.024485]	ND	(53) [1.067235]	ND	(54) [1.072501]	ND	(53) [1.069175]
4-Methyl-2-pentanone(MIBK)	ND	(51) [1.024485]	ND	(53) [1.067235]	ND	(54) [1.072501]	ND	(53) [1.069175]
Acetone	34 J	(100) [1.024485]	ND	(110) [1.067235]	ND	(110) [1.072501]	ND	(110) [1.069175]
Acrolein	ND	(77) [1.024485]	ND	(80) [1.067235]	ND	(80) [1.072501]	ND	(80) [1.069175]
Acrylonitrile	ND	(51) [1.024485]	ND	(53) [1.067235]	ND	(54) [1.072501]	ND	(53) [1.069175]
Benzene	3.8 J	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Bromodichloromethane	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Bromomethane	ND	(10) [1.024485]	ND	(11) [1.067235]	ND	(11) [1.072501]	ND	(11) [1.069175]
Carbon disulfide	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Carbon tetrachloride	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Chlorobenzene	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Chloroethane	ND	(10) [1.024485]	ND	(11) [1.067235]	ND	(11) [1.072501]	ND	(11) [1.069175]
Chloroform	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Chloromethane	ND	(10) [1.024485]	ND	(11) [1.067235]	ND	(11) [1.072501]	ND	(11) [1.069175]
Dibromochloromethane	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Dibromomethane	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Dichlorodifluoromethane	ND	(20) [1.024485]	ND	(21) [1.067235]	ND	(21) [1.072501]	ND	(21) [1.069175]
Ethyl benzene	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Ethyl methacrylate	ND	(15) [1.024485]	ND	(16) [1.067235]	ND	(16) [1.072501]	ND	(16) [1.069175]
Iodomethane	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Methyl ethyl ketone	ND	(100) [1.024485]	ND	(110) [1.067235]	ND	(110) [1.072501]	ND	(110) [1.069175]
Methylene chloride	7.1 @	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Styrene	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Tetrachloroethene	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Toluene	36	(5.1) [1.024485]	30	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Tribromomethane(Bromoform)	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]
Trichloroethene	ND	(5.1) [1.024485]	ND	(5.3) [1.067235]	ND	(5.4) [1.072501]	ND	(5.3) [1.069175]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2			NONE 14 CAN97-14-01 0 - 2			NONE 14 CAN97-14-02 4 - 6			NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6		
Trichlorofluoromethane	ND	(10)	[1.024485]	ND	(11)	[1.067235]	ND	(11)	[1.072501]	ND	(11)	[1.069175]
Vinyl acetate	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
Vinyl chloride	ND	(10)	[1.024485]	ND	(11)	[1.067235]	ND	(11)	[1.072501]	ND	(11)	[1.069175]
Xylenes	2.6 J	(5.1)	[1.024485]	4.1 J	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
cis-1,3-Dichloropropene	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
trans-1,2-Dichloroethene	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
trans-1,3-Dichloropropene	ND	(5.1)	[1.024485]	ND	(5.3)	[1.067235]	ND	(5.4)	[1.072501]	ND	(5.3)	[1.069175]
trans-1,4-Dichloro-2-butene	ND	(10)	[1.024485]	ND	(11)	[1.067235]	ND	(11)	[1.072501]	ND	(11)	[1.069175]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
1,2,4-Trichlorobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
1,2-Dichlorobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
1,2-Diphenylhydrazine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
1,3-Dichlorobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
1,4-Dichlorobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
1-Chloronaphthalene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
1-Naphthylamine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2,3,4,6-Tetrachlorophenol	ND	(340)	[0.034149]	ND	(710)	[0.035527]	ND	(710)	[0.035726]	ND	(710)	[0.035617]
2,4,5-Trichlorophenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2,4,6-Trichlorophenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2,4-Dichlorophenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2,4-Dimethylphenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2,4-Dinitrophenol	ND	(680)	[0.034149]	ND	(1800)	[0.035527]	ND	(1800)	[0.035726]	ND	(1800)	[0.035617]
2,4-Dinitrotoluene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2,6-Dichlorophenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2,6-Dinitrotoluene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2-Chloronaphthalene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2-Chlorophenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2-Methylnaphthalene	27 J	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2			NONE 14 CAN97-14-01 0 - 2			NONE 14 CAN97-14-02 4 - 6			NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6		
2-Methylphenol(o-cresol)	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2-Naphthylamine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2-Nitroaniline	ND	(340)	[0.034149]	ND	(1800)	[0.035527]	ND	(1800)	[0.035726]	ND	(1800)	[0.035617]
2-Nitrophenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
2-Picoline	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
3,3'-Dichlorobenzidine	ND	(340)	[0.034149]	ND	(710)	[0.035527]	ND	(710)	[0.035726]	ND	(710)	[0.035617]
3-Methylcholanthrene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
3-Nitroaniline	ND	(680)	[0.034149]	ND	(1800)	[0.035527]	ND	(1800)	[0.035726]	ND	(1800)	[0.035617]
4,6-Dinitro-2-methylphenol	ND	(340)	[0.034149]	ND	(1800)	[0.035527]	ND	(1800)	[0.035726]	ND	(1800)	[0.035617]
4-Aminobiphenyl	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
4-Bromophenyl phenyl ether	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
4-Chloro-3-methylphenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
4-Chlorophenyl phenyl ether	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
4-Methylphenol(p-cresol)	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
4-Nitroaniline	ND	(680)	[0.034149]	ND	(1800)	[0.035527]	ND	(1800)	[0.035726]	ND	(1800)	[0.035617]
4-Nitrophenol	ND	(340)	[0.034149]	ND	(1800)	[0.035527]	ND	(1800)	[0.035726]	ND	(1800)	[0.035617]
7,12-Dimethylbenz(a)anthracene	ND	(340)	[0.034149]	ND	(890)	[0.035527]	ND	(890)	[0.035726]	ND	(890)	[0.035617]
Acenaphthene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Acenaphthylene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Acetophenone	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Aniline	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Anthracene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Benzidine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Benzo(a)anthracene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Benzo(a)pyrene	4.1 J	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Benzo(b)fluoranthene	11 JX	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Benzo(g,h,i)perylene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Benzo(k)fluoranthene	11 JX	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Benzoic acid	ND	(1700)	[0.034149]	ND	(1800)	[0.035527]	ND	(1800)	[0.035726]	ND	(1800)	[0.035617]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2			NONE 14 CAN97-14-01 0 - 2			NONE 14 CAN97-14-02 4 - 6			NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6		
Benzyl alcohol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Butylbenzylphthalate	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Chrysene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Cyclohexenol	380	(0)	[0.034149]	NA			NA			NA		
Di-n-octylphthalate	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Dibenz(a,h)anthracene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Dibenz(a,j)acridine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Dibenzofuran	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Dibutylphthalate	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Diethylphthalate	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Dimethylphenethylamine	ND	(4100)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Dimethylphthalate	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Diphenylamine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Ethyl methanesulfonate	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Fluoranthene	8.4 J	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Fluorene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Hexachlorobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Hexachlorobutadiene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Hexachlorocyclopentadiene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Hexachloroethane	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Indeno(1,2,3-cd)pyrene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Isophorone	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Methyl methanesulfonate	ND	(1700)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
N-Nitroso-di-n-butylamine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
N-Nitrosodimethylamine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
N-Nitrosodiphenylamine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
N-Nitrosodipropylamine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
N-Nitrosopiperidine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Naphthalene	20 J	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2			NONE 14 CAN97-14-01 0 - 2			NONE 14 CAN97-14-02 4 - 6			NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6		
Nitrobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Pentachlorobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Pentachloronitrobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Pentachlorophenol	ND	(340)	[0.034149]	ND	(1800)	[0.035527]	ND	(1800)	[0.035726]	ND	(1800)	[0.035617]
Phenacetin	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Phenanthrene	9.4 J	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Phenol	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Pronamide	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Pyrene	7.9 J	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Pyridine	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
Unknown	1200	(0)	[0.034149]	460	(0)	[0.035527]	570	(0)	[0.035726]	140	(0)	[0.035617]
Unknown B	820	(0)	[0.034149]	NA			NA			NA		
Unknown aldehyde	NA			210	(0)	[0.035527]	NA			NA		
Unknown alkane	170	(0)	[0.034149]	140	(0)	[0.035527]	NA			NA		
Unknown carboxylic acid	650	(0)	[0.034149]	250	(0)	[0.035527]	NA			NA		
Unknown cyclic ether	NA			NA			NA			250	(0)	[0.035617]
bis(2-Chloroethoxy)methane	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
bis(2-Chloroethyl)ether	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
bis(2-Chloroisopropyl)ether	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
bis(2-Ethylhexyl)phthalate	ND	(340)	[0.034149]	42 JB	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
p-Chloroaniline	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]
p-Dimethylaminoazobenzene	ND	(340)	[0.034149]	ND	(360)	[0.035527]	ND	(360)	[0.035726]	ND	(360)	[0.035617]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 14 CAN97-14-03 9 - 11				NONE 14 CAN97-14-04 14 - 16				NONE 14 CAN97-14-05 19 - 21				NONE 14 CAN97-14-06 24 - 26			
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)																
Hydrocarbons	17 @	(27)	[5.313496]		21 @	(28)	[5.518763]		9.1 @	(28)	[5.681818]		11 @	(26)	[5.279831]	
SW8015 - Total Petroleum Hydrocarbons (ug/kg)																
Benzene (2)	NA				NA				NA				ND	(32)	[108]	
Diesel (2)	NA				NA				NA				9400 GB@	(5200)	[105]	
Ethylbenzene (2)	NA				NA				NA				ND	(32)	[108]	
Gasoline (2)	NA				NA				NA				ND	(5400)	[108]	
Jet fuel (2)	NA				NA				NA				ND	(10000)	[105]	
Kerosene (2)	NA				NA				NA				ND	(10000)	[105]	
Toluene (2)	NA				NA				NA				ND	(32)	[108]	
Xylenes (total) (2)	NA				NA				NA				ND	(54)	[108]	
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)																
4,4'-DDD	0.76 @	(0.35)	[35.42330]		ND	(0.37)	[36.79175]		ND	(0.38)	[37.92188]		ND	(0.35)	[35.19887]	
4,4'-DDE	ND	(0.35)	[35.42330]		ND	(0.37)	[36.79175]		ND	(0.38)	[37.92188]		ND	(0.35)	[35.19887]	
4,4'-DDT	ND	(0.71)	[35.42330]		ND	(0.74)	[36.79175]		ND	(0.76)	[37.92188]		ND	(0.7)	[35.19887]	
Aldrin	ND	(0.35)	[35.42330]		ND	(0.37)	[36.79175]		ND	(0.38)	[37.92188]		ND	(0.35)	[35.19887]	
Chlordane	ND	(1.8)	[35.42330]		ND	(1.8)	[36.79175]		ND	(1.9)	[37.92188]		ND	(1.8)	[35.19887]	
Dieldrin	ND	(0.35)	[35.42330]		ND	(0.37)	[36.79175]		ND	(0.38)	[37.92188]		ND	(0.35)	[35.19887]	
Endosulfan I	ND	(0.35)	[35.42330]		ND	(0.37)	[36.79175]		ND	(0.38)	[37.92188]		ND	(0.35)	[35.19887]	
Endosulfan II	ND	(1.1)	[35.42330]		ND	(1.1)	[36.79175]		ND	(1.1)	[37.92188]		ND	(1.1)	[35.19887]	
Endosulfan Sulfate	ND	(1.8)	[35.42330]		ND	(1.8)	[36.79175]		ND	(1.9)	[37.92188]		ND	(1.8)	[35.19887]	
Endrin	0.54 @	(0.35)	[35.42330]		ND	(0.37)	[36.79175]		ND	(0.38)	[37.92188]		ND	(0.35)	[35.19887]	
Endrin Aldehyde	ND	(0.71)	[35.42330]		ND	(0.74)	[36.79175]		ND	(0.76)	[37.92188]		ND	(0.7)	[35.19887]	
Endrin Ketone	ND	(1.8)	[35.42330]		ND	(1.8)	[36.79175]		ND	(1.9)	[37.92188]		ND	(1.8)	[35.19887]	
Heptachlor	0.45 @	(0.35)	[35.42330]		ND	(0.37)	[36.79175]		ND	(0.38)	[37.92188]		ND	(0.35)	[35.19887]	
Heptachlor epoxide	ND	(0.35)	[35.42330]		ND	(0.37)	[36.79175]		ND	(0.38)	[37.92188]		ND	(0.35)	[35.19887]	
Methoxychlor	ND	(1.8)	[35.42330]		ND	(1.8)	[36.79175]		ND	(1.9)	[37.92188]		ND	(1.8)	[35.19887]	
PCB-1016	ND	(3.5)	[35.42330]		ND	(3.7)	[36.79175]		ND	(3.8)	[37.92188]		ND	(3.5)	[35.19887]	
PCB-1221	ND	(7.1)	[35.42330]		ND	(7.4)	[36.79175]		ND	(7.6)	[37.92188]		ND	(7)	[35.19887]	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-03 9 - 11			NONE 14 CAN97-14-04 14 - 16			NONE 14 CAN97-14-05 19 - 21			NONE 14 CAN97-14-06 24 - 26		
PCB-1232	ND	(7.1)	[35.42330]	ND	(7.4)	[36.79175]	ND	(7.6)	[37.92188]	ND	(7)	[35.19887]
PCB-1242	ND	(3.5)	[35.42330]	ND	(3.7)	[36.79175]	ND	(3.8)	[37.92188]	ND	(3.5)	[35.19887]
PCB-1248	ND	(3.5)	[35.42330]	ND	(3.7)	[36.79175]	ND	(3.8)	[37.92188]	ND	(3.5)	[35.19887]
PCB-1254	ND	(7.1)	[35.42330]	ND	(7.4)	[36.79175]	ND	(7.6)	[37.92188]	ND	(7)	[35.19887]
PCB-1260	ND	(7.1)	[35.42330]	ND	(7.4)	[36.79175]	ND	(7.6)	[37.92188]	ND	(7)	[35.19887]
Toxaphene	ND	(18)	[35.42330]	ND	(18)	[36.79175]	ND	(19)	[37.92188]	ND	(18)	[35.19887]
alpha-BHC	ND	(0.35)	[35.42330]	ND	(0.37)	[36.79175]	ND	(0.38)	[37.92188]	ND	(0.35)	[35.19887]
beta-BHC	ND	(0.35)	[35.42330]	ND	(0.37)	[36.79175]	ND	(0.38)	[37.92188]	ND	(0.35)	[35.19887]
delta-BHC	0.82 @	(0.35)	[35.42330]	ND	(0.37)	[36.79175]	ND	(0.38)	[37.92188]	ND	(0.35)	[35.19887]
gamma-BHC	ND	(0.35)	[35.42330]	ND	(0.37)	[36.79175]	ND	(0.38)	[37.92188]	ND	(0.35)	[35.19887]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			NA			ND	(7)	[35.14938]
2,4,5-TP (Silvex)	NA			NA			NA			ND	(6)	[35.14938]
2,4-D	NA			NA			NA			ND	(42)	[35.14938]
2,4-DB	NA			NA			NA			ND	(32)	[35.14938]
Dalapon	NA			NA			NA			ND	(200)	[35.14938]
Dicamba	NA			NA			NA			ND	(9.5)	[35.14938]
Dichloroprop	NA			NA			NA			4.2 J	(23)	[35.14938]
Dinoseb	NA			NA			NA			ND	(5.3)	[35.14938]
MCPA	NA			NA			NA			ND	(8800)	[35.14938]
MCPP	NA			NA			NA			ND	(6700)	[35.14938]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
1,1,2,2-Tetrachloroethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
1,1,2-Trichloroethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
1,1-Dichloroethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
1,1-Dichloroethene	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
1,2,3-Trichloropropane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
1,2-Dichloroethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-03 9 - 11			NONE 14 CAN97-14-04 14 - 16			NONE 14 CAN97-14-05 19 - 21			NONE 14 CAN97-14-06 24 - 26		
1,2-Dichloropropane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
2-Chloroethyl vinyl ether	ND	(11)	[1.062699]	ND	(11)	[1.103752]	ND	(11)	[1.137656]	ND	(11)	[1.056077]
2-Hexanone	ND	(53)	[1.062699]	ND	(55)	[1.103752]	ND	(57)	[1.137656]	ND	(53)	[1.056077]
4-Methyl-2-pentanone(MIBK)	ND	(53)	[1.062699]	ND	(55)	[1.103752]	ND	(57)	[1.137656]	ND	(53)	[1.056077]
Acetone	ND	(110)	[1.062699]	ND	(110)	[1.103752]	ND	(110)	[1.137656]	26 J	(110)	[1.056077]
Acrolein	ND	(80)	[1.062699]	ND	(83)	[1.103752]	ND	(85)	[1.137656]	ND	(79)	[1.056077]
Acrylonitrile	ND	(53)	[1.062699]	ND	(55)	[1.103752]	ND	(57)	[1.137656]	ND	(53)	[1.056077]
Benzene	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Bromodichloromethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Bromomethane	ND	(11)	[1.062699]	ND	(11)	[1.103752]	ND	(11)	[1.137656]	ND	(11)	[1.056077]
Carbon disulfide	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Carbon tetrachloride	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Chlorobenzene	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Chloroethane	ND	(11)	[1.062699]	ND	(11)	[1.103752]	ND	(11)	[1.137656]	ND	(11)	[1.056077]
Chloroform	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Chloromethane	ND	(11)	[1.062699]	ND	(11)	[1.103752]	ND	(11)	[1.137656]	ND	(11)	[1.056077]
Dibromochloromethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Dibromomethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Dichlorodifluoromethane	ND	(21)	[1.062699]	ND	(22)	[1.103752]	ND	(23)	[1.137656]	ND	(21)	[1.056077]
Ethyl acetate	NA			7.8	()	[1.103752]	NA			8.6	()	[1.056077]
Ethyl benzene	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Ethyl methacrylate	ND	(16)	[1.062699]	ND	(17)	[1.103752]	ND	(17)	[1.137656]	ND	(16)	[1.056077]
Iodomethane	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Methyl ethyl ketone	ND	(110)	[1.062699]	ND	(110)	[1.103752]	ND	(110)	[1.137656]	ND	(110)	[1.056077]
Methylene chloride	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Styrene	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Tetrachloroethene	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Toluene	2.8 J	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Tribromomethane(Bromoform)	ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 14 CAN97-14-03 9 - 11			NONE 14 CAN97-14-04 14 - 16			NONE 14 CAN97-14-05 19 - 21			NONE 14 CAN97-14-06 24 - 26		
Trichloroethene		ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Trichlorofluoromethane		ND	(11)	[1.062699]	ND	(11)	[1.103752]	ND	(11)	[1.137656]	ND	(11)	[1.056077]
Vinyl acetate		ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
Vinyl chloride		ND	(11)	[1.062699]	ND	(11)	[1.103752]	ND	(11)	[1.137656]	ND	(11)	[1.056077]
Xylenes		ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
cis-1,3-Dichloropropene		ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
trans-1,2-Dichloroethene		ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
trans-1,3-Dichloropropene		ND	(5.3)	[1.062699]	ND	(5.5)	[1.103752]	ND	(5.7)	[1.137656]	ND	(5.3)	[1.056077]
trans-1,4-Dichloro-2-butene		ND	(11)	[1.062699]	ND	(11)	[1.103752]	ND	(11)	[1.137656]	ND	(11)	[1.056077]
SW8270 - Semivolatile Organics	(ug/kg)												
1,2,4,5-Tetrachlorobenzene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
1,2,4-Trichlorobenzene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
1,2-Dichlorobenzene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
1,2-Diphenylhydrazine		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
1,3-Dichlorobenzene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
1,4-Dichlorobenzene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
1-Chloronaphthalene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
1-Naphthylamine		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2,3,4,6-Tetrachlorophenol		ND	(710)	[0.035387]	ND	(730)	[0.036742]	ND	(760)	[0.037858]	ND	(700)	[0.035179]
2,4,5-Trichlorophenol		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2,4,6-Trichlorophenol		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2,4-Dichlorophenol		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2,4-Dimethylphenol		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2,4-Dinitrophenol		ND	(1800)	[0.035387]	ND	(1800)	[0.036742]	ND	(1900)	[0.037858]	ND	(1800)	[0.035179]
2,4-Dinitrotoluene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2,6-Dichlorophenol		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2,6-Dinitrotoluene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2-Chloronaphthalene		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2-Chlorophenol		ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 14 CAN97-14-03 9 - 11			NONE 14 CAN97-14-04 14 - 16			NONE 14 CAN97-14-05 19 - 21			NONE 14 CAN97-14-06 24 - 26		
2-Methylnaphthalene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2-Methylphenol(o-cresol)	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2-Naphthylamine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2-Nitroaniline	ND	(1800)	[0.035387]	ND	(1800)	[0.036742]	ND	(1900)	[0.037858]	ND	(1800)	[0.035179]
2-Nitrophenol	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
2-Picoline	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
3,3'-Dichlorobenzidine	ND	(710)	[0.035387]	ND	(730)	[0.036742]	ND	(760)	[0.037858]	ND	(700)	[0.035179]
3-Methylcholanthrene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
3-Nitroaniline	ND	(1800)	[0.035387]	ND	(1800)	[0.036742]	ND	(1900)	[0.037858]	ND	(1800)	[0.035179]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035387]	ND	(1800)	[0.036742]	ND	(1900)	[0.037858]	ND	(1800)	[0.035179]
4-Aminobiphenyl	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
4-Bromophenyl phenyl ether	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
4-Chloro-3-methylphenol	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
4-Chlorophenyl phenyl ether	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
4-Methylphenol(p-cresol)	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
4-Nitroaniline	ND	(1800)	[0.035387]	ND	(1800)	[0.036742]	ND	(1900)	[0.037858]	ND	(1800)	[0.035179]
4-Nitrophenol	ND	(1800)	[0.035387]	ND	(1800)	[0.036742]	ND	(1900)	[0.037858]	ND	(1800)	[0.035179]
7,12-Dimethylbenz(a)anthracene	ND	(880)	[0.035387]	ND	(920)	[0.036742]	ND	(950)	[0.037858]	ND	(880)	[0.035179]
Acenaphthene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Acenaphthylene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Acetophenone	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Aniline	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Anthracene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Benzidine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Benzo(a)anthracene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Benzo(a)pyrene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Benzo(b)fluoranthene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Benzo(g,h,i)perylene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Benzo(k)fluoranthene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 14 CAN97-14-03 9 - 11			NONE 14 CAN97-14-04 14 - 16			NONE 14 CAN97-14-05 19 - 21			NONE 14 CAN97-14-06 24 - 26		
Benzoic acid	ND	(1800)	[0.035387]	ND	(1800)	[0.036742]	ND	(1900)	[0.037858]	ND	(1800)	[0.035179]
Benzyl alcohol	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Butylbenzylphthalate	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Chrysene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Di-n-octylphthalate	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Dibenz(a,h)anthracene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Dibenz(a,j)acridine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Dibenzofuran	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Dibutylphthalate	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Diethylphthalate	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Dimethylphenethylamine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Dimethylphthalate	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Diphenylamine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Ethyl methanesulfonate	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Fluoranthene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Fluorene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Hexachlorobenzene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Hexachlorobutadiene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Hexachlorocyclopentadiene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Hexachloroethane	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Isophorone	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Methyl methanesulfonate	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
N-Nitroso-di-n-butylamine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
N-Nitrosodimethylamine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
N-Nitrosodiphenylamine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
N-Nitrosodipropylamine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
N-Nitrosopiperidine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Naphthalene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-03 9 - 11			NONE 14 CAN97-14-04 14 - 16			NONE 14 CAN97-14-05 19 - 21			NONE 14 CAN97-14-06 24 - 26		
Nitrobenzene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Pentachlorobenzene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Pentachloronitrobenzene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Pentachlorophenol	ND	(1800)	[0.035387]	ND	(1800)	[0.036742]	ND	(1900)	[0.037858]	ND	(1800)	[0.035179]
Phenacetin	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Phenanthrene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Phenol	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Pronamide	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Pyrene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Pyridine	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
Unknown	NA			NA			260	(0)	[0.037858]	140	(0)	[0.035179]
Unknown cyclic ether	NA			220	(0)	[0.036742]	260	(0)	[0.037858]	NA		
bis(2-Chloroethoxy)methane	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
bis(2-Chloroethyl)ether	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
bis(2-Ethylhexyl)phthalate	ND	(350)	[0.035387]	ND	(370)	[0.036742]	75 JB	(380)	[0.037858]	ND	(350)	[0.035179]
p-Chloroaniline	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]
p-Dimethylaminoazobenzene	ND	(350)	[0.035387]	ND	(370)	[0.036742]	ND	(380)	[0.037858]	ND	(350)	[0.035179]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	14 @	(27)	[5.382131]	17 @	(26)	[5.202913]	14 @	(26)	[5.263157]	14 @	(27)	[5.330490]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			ND	(31)	[104]	NA			NA		
Diesel (2)	NA			6900 GB@	(5200)	[104]	NA			NA		
Ethylbenzene (2)	NA			ND	(31)	[104]	NA			NA		
Gasoline (2)	NA			ND	(5200)	[104]	NA			NA		
Jet fuel (2)	NA			ND	(10000)	[104]	NA			NA		
Kerosene (2)	NA			ND	(10000)	[104]	NA			NA		
Toluene (2)	NA			ND	(31)	[104]	NA			NA		
Xylenes (total) (2)	NA			ND	(52)	[104]	NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
4,4'-DDE	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
4,4'-DDT	ND	(0.72)	[35.88087]	ND	(0.69)	[34.69812]	1.2 @	(0.7)	[35.07541]	0.91 @	(0.71)	[35.53660]
Aldrin	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	0.47 @	(0.36)	[35.53660]
Chlordane	ND	(1.8)	[35.88087]	ND	(1.7)	[34.69812]	ND	(1.8)	[35.07541]	ND	(1.8)	[35.53660]
Dieldrin	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
Endosulfan I	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
Endosulfan II	ND	(1.1)	[35.88087]	ND	(1)	[34.69812]	ND	(1.1)	[35.07541]	ND	(1.1)	[35.53660]
Endosulfan Sulfate	ND	(1.8)	[35.88087]	ND	(1.7)	[34.69812]	ND	(1.8)	[35.07541]	ND	(1.8)	[35.53660]
Endrin	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
Endrin Aldehyde	ND	(0.72)	[35.88087]	ND	(0.69)	[34.69812]	ND	(0.7)	[35.07541]	ND	(0.71)	[35.53660]
Endrin Ketone	ND	(1.8)	[35.88087]	ND	(1.7)	[34.69812]	ND	(1.8)	[35.07541]	ND	(1.8)	[35.53660]
Heptachlor	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
Heptachlor epoxide	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
Methoxychlor	ND	(1.8)	[35.88087]	ND	(1.7)	[34.69812]	ND	(1.8)	[35.07541]	ND	(1.8)	[35.53660]
PCB-1016	ND	(3.6)	[35.88087]	ND	(3.5)	[34.69812]	ND	(3.5)	[35.07541]	ND	(3.6)	[35.53660]
PCB-1221	ND	(7.2)	[35.88087]	ND	(6.9)	[34.69812]	ND	(7)	[35.07541]	ND	(7.1)	[35.53660]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
PCB-1232	ND	(7.2)	[35.88087]	ND	(6.9)	[34.69812]	ND	(7)	[35.07541]	ND	(7.1)	[35.53660]
PCB-1242	ND	(3.6)	[35.88087]	ND	(3.5)	[34.69812]	ND	(3.5)	[35.07541]	ND	(3.6)	[35.53660]
PCB-1248	ND	(3.6)	[35.88087]	ND	(3.5)	[34.69812]	ND	(3.5)	[35.07541]	ND	(3.6)	[35.53660]
PCB-1254	ND	(7.2)	[35.88087]	ND	(6.9)	[34.69812]	ND	(7)	[35.07541]	ND	(7.1)	[35.53660]
PCB-1260	ND	(7.2)	[35.88087]	ND	(6.9)	[34.69812]	ND	(7)	[35.07541]	ND	(7.1)	[35.53660]
Toxaphene	ND	(18)	[35.88087]	ND	(17)	[34.69812]	ND	(18)	[35.07541]	ND	(18)	[35.53660]
alpha-BHC	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
beta-BHC	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	0.22 J	(0.36)	[35.53660]
delta-BHC	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
gamma-BHC	ND	(0.36)	[35.88087]	ND	(0.35)	[34.69812]	ND	(0.35)	[35.07541]	ND	(0.36)	[35.53660]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			ND	(6.9)	[34.59010]	NA			NA		
2,4,5-TP (Silvex)	NA			ND	(5.9)	[34.59010]	NA			NA		
2,4-D	NA			ND	(42)	[34.59010]	NA			NA		
2,4-DB	NA			ND	(31)	[34.59010]	NA			NA		
Dalapon	NA			ND	(200)	[34.59010]	NA			NA		
Dicamba	NA			ND	(9.3)	[34.59010]	NA			NA		
Dichloroprop	NA			3.9 J	(22)	[34.59010]	NA			NA		
Dinoseb	NA			ND	(5.2)	[34.59010]	NA			NA		
MCPA	NA			ND	(8600)	[34.59010]	NA			NA		
MCPP	NA			ND	(6600)	[34.59010]	NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
1,1,2,2-Tetrachloroethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
1,1,2-Trichloroethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
1,1-Dichloroethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
1,1-Dichloroethene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
1,2,3-Trichloropropane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
1,2-Dichloroethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
1,2-Dichloropropane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
2-Chloroethyl vinyl ether	ND	(11)	[1.076426]	ND	(10)	[1.041016]	ND	(11)	[1.052299]	ND	(11)	[1.066098]
2-Hexanone	ND	(54)	[1.076426]	ND	(52)	[1.041016]	ND	(53)	[1.052299]	ND	(53)	[1.066098]
4-Methyl-2-pentanone(MIBK)	ND	(54)	[1.076426]	ND	(52)	[1.041016]	ND	(53)	[1.052299]	ND	(53)	[1.066098]
Acetone	25 J	(110)	[1.076426]	ND	(100)	[1.041016]	ND	(110)	[1.052299]	ND	(110)	[1.066098]
Acrolein	ND	(81)	[1.076426]	ND	(78)	[1.041016]	ND	(79)	[1.052299]	ND	(80)	[1.066098]
Acrylonitrile	ND	(54)	[1.076426]	ND	(52)	[1.041016]	ND	(53)	[1.052299]	ND	(53)	[1.066098]
Benzene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Bromodichloromethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Bromomethane	ND	(11)	[1.076426]	ND	(10)	[1.041016]	ND	(11)	[1.052299]	ND	(11)	[1.066098]
Carbon disulfide	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Carbon tetrachloride	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Chlorobenzene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Chloroethane	ND	(11)	[1.076426]	ND	(10)	[1.041016]	ND	(11)	[1.052299]	ND	(11)	[1.066098]
Chloroform	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Chloromethane	ND	(11)	[1.076426]	ND	(10)	[1.041016]	ND	(11)	[1.052299]	ND	(11)	[1.066098]
Dibromochloromethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Dibromomethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Dichlorodifluoromethane	ND	(22)	[1.076426]	ND	(21)	[1.041016]	ND	(21)	[1.052299]	ND	(21)	[1.066098]
Ethyl acetate	5.2	()	[1.076426]	16	()	[1.041016]	5.9	()	[1.052299]	5.7	()	[1.066098]
Ethyl benzene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Ethyl methacrylate	ND	(16)	[1.076426]	ND	(16)	[1.041016]	ND	(16)	[1.052299]	ND	(16)	[1.066098]
Iodomethane	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Methyl ethyl ketone	ND	(110)	[1.076426]	ND	(100)	[1.041016]	ND	(110)	[1.052299]	ND	(110)	[1.066098]
Methylene chloride	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Styrene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Tetrachloroethene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Toluene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Tribromomethane(Bromoform)	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
Trichloroethene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Trichlorofluoromethane	ND	(11)	[1.076426]	ND	(10)	[1.041016]	ND	(11)	[1.052299]	ND	(11)	[1.066098]
Vinyl acetate	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
Vinyl chloride	ND	(11)	[1.076426]	ND	(10)	[1.041016]	ND	(11)	[1.052299]	ND	(11)	[1.066098]
Xylenes	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
cis-1,3-Dichloropropene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
trans-1,2-Dichloroethene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
trans-1,3-Dichloropropene	ND	(5.4)	[1.076426]	ND	(5.2)	[1.041016]	ND	(5.3)	[1.052299]	ND	(5.3)	[1.066098]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.076426]	ND	(10)	[1.041016]	ND	(11)	[1.052299]	ND	(11)	[1.066098]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
1,2,4-Trichlorobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
1,2-Dichlorobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
1,2-Diphenylhydrazine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
1,3-Dichlorobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
1,4-Dichlorobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
1-Chloronaphthalene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
1-Naphthylamine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2,3,4,6-Tetrachlorophenol	ND	(720)	[0.035868]	ND	(690)	[0.034654]	ND	(700)	[0.035076]	ND	(710)	[0.035489]
2,4,5-Trichlorophenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2,4,6-Trichlorophenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2,4-Dichlorophenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2,4-Dimethylphenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2,4-Dinitrophenol	ND	(1800)	[0.035868]	ND	(1700)	[0.034654]	ND	(1800)	[0.035076]	ND	(1800)	[0.035489]
2,4-Dinitrotoluene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2,6-Dichlorophenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2,6-Dinitrotoluene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2-Chloronaphthalene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2-Chlorophenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
2-Methylnaphthalene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2-Methylphenol(o-cresol)	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2-Naphthylamine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2-Nitroaniline	ND	(1800)	[0.035868]	ND	(1700)	[0.034654]	ND	(1800)	[0.035076]	ND	(1800)	[0.035489]
2-Nitrophenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
2-Picoline	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
3,3'-Dichlorobenzidine	ND	(720)	[0.035868]	ND	(690)	[0.034654]	ND	(700)	[0.035076]	ND	(710)	[0.035489]
3-Methylcholanthrene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
3-Nitroaniline	ND	(1800)	[0.035868]	ND	(1700)	[0.034654]	ND	(1800)	[0.035076]	ND	(1800)	[0.035489]
4,6-Dinitro-2-methylphenol	ND	(1800)	[0.035868]	ND	(1700)	[0.034654]	ND	(1800)	[0.035076]	ND	(1800)	[0.035489]
4-Aminobiphenyl	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
4-Bromophenyl phenyl ether	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
4-Chloro-3-methylphenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
4-Chlorophenyl phenyl ether	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
4-Methylphenol(p-cresol)	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
4-Nitroaniline	ND	(1800)	[0.035868]	ND	(1700)	[0.034654]	ND	(1800)	[0.035076]	ND	(1800)	[0.035489]
4-Nitrophenol	ND	(1800)	[0.035868]	ND	(1700)	[0.034654]	ND	(1800)	[0.035076]	ND	(1800)	[0.035489]
7,12-Dimethylbenz(a)anthracene	ND	(900)	[0.035868]	ND	(870)	[0.034654]	ND	(880)	[0.035076]	ND	(890)	[0.035489]
Acenaphthene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Acenaphthylene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Acetophenone	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Aniline	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Anthracene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Benzidine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Benzo(a)anthracene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Benzo(a)pyrene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Benzo(b)fluoranthene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Benzo(g,h,i)perylene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Benzo(k)fluoranthene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
Benzoic acid	ND	(1800)	[0.035868]	ND	(1700)	[0.034654]	ND	(1800)	[0.035076]	ND	(1800)	[0.035489]
Benzyl alcohol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Butylbenzylphthalate	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Chrysene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Di-n-octylphthalate	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Dibenz(a,h)anthracene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Dibenz(a,j)acridine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Dibenzofuran	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Dibutylphthalate	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Diethylphthalate	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Dimethylphenethylamine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Dimethylphthalate	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Diphenylamine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Ethyl methanesulfonate	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Fluoranthene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Fluorene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Hexachlorobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Hexachlorobutadiene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Hexachlorocyclopentadiene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Hexachloroethane	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Isophorone	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Methyl methanesulfonate	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
N-Nitroso-di-n-butylamine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
N-Nitrosodimethylamine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
N-Nitrosodiphenylamine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
N-Nitrosodipropylamine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
N-Nitrosopiperidine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Naphthalene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
Nitrobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Pentachlorobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Pentachloronitrobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Pentachlorophenol	ND	(1800)	[0.035868]	ND	(1700)	[0.034654]	ND	(1800)	[0.035076]	ND	(1800)	[0.035489]
Phenacetin	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Phenanthrene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Phenol	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Pronamide	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Pyrene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Pyridine	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
Unknown	180	(0)	[0.035868]	240	(0)	[0.034654]	240	(0)	[0.035076]	NA		
Unknown cyclic ether	290	(0)	[0.035868]	NA			350	(0)	[0.035076]	NA		
bis(2-Chloroethoxy)methane	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
bis(2-Chloroethyl)ether	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
bis(2-Ethylhexyl)phthalate	35 JB	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
p-Chloroaniline	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]
p-Dimethylaminoazobenzene	ND	(360)	[0.035868]	ND	(350)	[0.034654]	ND	(350)	[0.035076]	ND	(350)	[0.035489]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 14 CAN97-14-11 49 - 51			NONE 14 CAN97-14-12 54 - 56			NONE 14 CAN97-14-13 59 - 61			NONE 15 CAN97-15-06 6 - 8		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	14 @	(26)	[5.248241]	11 @	(26)	[5.257623]	37 @	(26)	[5.246589]	8.5 @	(27)	[5.418879]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
4,4'-DDE	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
4,4'-DDT	ND	(0.7)	[34.98950]	ND	(0.7)	[35.05082]	1 @	(0.7)	[34.98950]	ND	(0.72)	[36.12586]
Aldrin	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
Chlordane	ND	(1.7)	[34.98950]	ND	(1.8)	[35.05082]	ND	(1.7)	[34.98950]	ND	(1.8)	[36.12586]
Dieldrin	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
Endosulfan I	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
Endosulfan II	ND	(1)	[34.98950]	ND	(1.1)	[35.05082]	ND	(1)	[34.98950]	ND	(1.1)	[36.12586]
Endosulfan Sulfate	ND	(1.7)	[34.98950]	ND	(1.8)	[35.05082]	ND	(1.7)	[34.98950]	ND	(1.8)	[36.12586]
Endrin	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
Endrin Aldehyde	ND	(0.7)	[34.98950]	ND	(0.7)	[35.05082]	ND	(0.7)	[34.98950]	ND	(0.72)	[36.12586]
Endrin Ketone	ND	(1.7)	[34.98950]	ND	(1.8)	[35.05082]	ND	(1.7)	[34.98950]	ND	(1.8)	[36.12586]
Heptachlor	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
Heptachlor epoxide	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
Methoxychlor	ND	(1.7)	[34.98950]	ND	(1.8)	[35.05082]	ND	(1.7)	[34.98950]	ND	(1.8)	[36.12586]
PCB-1016	ND	(3.5)	[34.98950]	ND	(3.5)	[35.05082]	ND	(3.5)	[34.98950]	ND	(3.6)	[36.12586]
PCB-1221	ND	(7)	[34.98950]	ND	(7)	[35.05082]	ND	(7)	[34.98950]	ND	(7.2)	[36.12586]
PCB-1232	ND	(7)	[34.98950]	ND	(7)	[35.05082]	ND	(7)	[34.98950]	ND	(7.2)	[36.12586]
PCB-1242	ND	(3.5)	[34.98950]	ND	(3.5)	[35.05082]	ND	(3.5)	[34.98950]	ND	(3.6)	[36.12586]
PCB-1248	ND	(3.5)	[34.98950]	ND	(3.5)	[35.05082]	ND	(3.5)	[34.98950]	ND	(3.6)	[36.12586]
PCB-1254	ND	(7)	[34.98950]	ND	(7)	[35.05082]	ND	(7)	[34.98950]	ND	(7.2)	[36.12586]
PCB-1260	ND	(7)	[34.98950]	ND	(7)	[35.05082]	ND	(7)	[34.98950]	ND	(7.2)	[36.12586]
Toxaphene	ND	(17)	[34.98950]	ND	(18)	[35.05082]	ND	(17)	[34.98950]	ND	(18)	[36.12586]
alpha-BHC	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
beta-BHC	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]
delta-BHC	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36)	[36.12586]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 14 CAN97-14-11 49 - 51			NONE 14 CAN97-14-12 54 - 56			NONE 14 CAN97-14-13 59 - 61			NONE 15 CAN97-15-06 6 - 8	
gamma-BHC	ND	(0.35)	[34.98950]	ND	(0.35)	[35.05082]	ND	(0.35)	[34.98950]	ND	(0.36) [36.12586]
SW8240 - Volatile Organics (ug/kg)											
1,1,1-Trichloroethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
1,1,2,2-Tetrachloroethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
1,1,2-Trichloroethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
1,1-Dichloroethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
1,1-Dichloroethene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
1,2,3-Trichloropropane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
1,2-Dichloroethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
1,2-Dichloropropane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
2-Chloroethyl vinyl ether	ND	(10)	[1.049648]	ND	(11)	[1.051635]	ND	(10)	[1.049538]	ND	(11) [1.083775]
2-Hexanone	ND	(52)	[1.049648]	ND	([illegible])	[1.051635]	ND	(52)	[1.049538]	ND	(54) [1.083775]
4-Methyl-2-pentanone(MIBK)	ND	(52)	[1.049648]	ND	([illegible])	[1.051635]	ND	(52)	[1.049538]	ND	(54) [1.083775]
Acetone	ND	(100)	[1.049648]	ND	(110)	[1.051635]	ND	(100)	[1.049538]	ND	(110) [1.083775]
Acrolein	ND	(79)	[1.049648]	ND	(79)	[1.051635]	ND	(79)	[1.049538]	ND	(81) [1.083775]
Acrylonitrile	ND	(52)	[1.049648]	ND	(53)	[1.051635]	ND	(52)	[1.049538]	ND	(54) [1.083775]
Benzene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
Bromodichloromethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
Bromomethane	ND	(10)	[1.049648]	ND	(11)	[1.051635]	ND	(10)	[1.049538]	ND	(11) [1.083775]
Carbon disulfide	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
Carbon tetrachloride	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
Chlorobenzene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
Chloroethane	ND	(10)	[1.049648]	ND	(11)	[1.051635]	ND	(10)	[1.049538]	ND	(11) [1.083775]
Chloroform	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
Chloromethane	ND	(10)	[1.049648]	ND	(11)	[1.051635]	ND	(10)	[1.049538]	ND	(11) [1.083775]
Dibromochloromethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
Dibromomethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4) [1.083775]
Dichlorodifluoromethane	ND	(21)	[1.049648]	ND	(21)	[1.051635]	ND	(21)	[1.049538]	ND	(22) [1.083775]
Ethyl acetate	66	()	[1.049648]	58	()	[1.051635]	23	()	[1.049538]	NA	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-11 49 - 51			NONE 14 CAN97-14-12 54 - 56			NONE 14 CAN97-14-13 59 - 61			NONE 15 CAN97-15-06 6 - 8		
Ethyl benzene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Ethyl methacrylate	ND	(16)	[1.049648]	ND	(16)	[1.051635]	ND	(16)	[1.049538]	ND	(16)	[1.083775]
Iodomethane	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Methyl ethyl ketone	ND	(100)	[1.049648]	ND	(110)	[1.051635]	ND	(100)	[1.049538]	ND	(110)	[1.083775]
Methylene chloride	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Styrene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Tetrachloroethene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Toluene	0.97 J	(5.2)	[1.049648]	2.4 J	(5.3)	[1.051635]	4.5 J	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Tribromomethane(Bromoform)	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Trichloroethene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Trichlorofluoromethane	ND	(10)	[1.049648]	ND	(11)	[1.051635]	ND	(10)	[1.049538]	ND	(11)	[1.083775]
Unknown hydrocarbon	NA			7.3	()	[1.051635]	NA			NA		
Vinyl acetate	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
Vinyl chloride	ND	(10)	[1.049648]	ND	(11)	[1.051635]	ND	(10)	[1.049538]	ND	(11)	[1.083775]
Xylenes	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
cis-1,3-Dichloropropene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
trans-1,2-Dichloroethene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
trans-1,3-Dichloropropene	ND	(5.2)	[1.049648]	ND	(5.3)	[1.051635]	ND	(5.2)	[1.049538]	ND	(5.4)	[1.083775]
trans-1,4-Dichloro-2-butene	ND	(10)	[1.049648]	ND	(11)	[1.051635]	ND	(10)	[1.049538]	ND	(11)	[1.083775]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
1,2,4-Trichlorobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
1,2-Dichlorobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
1,2-Diphenylhydrazine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
1,3-Dichlorobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
1,4-Dichlorobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
1-Chloronaphthalene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
1-Naphthylamine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2,3,4,6-Tetrachlorophenol	ND	(700)	[0.034976]	ND	(700)	[0.035054]	ND	(700)	[0.034972]	ND	(360)	[0.036125]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 14 CAN97-14-11 49 - 51			NONE 14 CAN97-14-12 54 - 56			NONE 14 CAN97-14-13 59 - 61			NONE 15 CAN97-15-06 6 - 8		
2,4,5-Trichlorophenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2,4,6-Trichlorophenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2,4-Dichlorophenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2,4-Dimethylphenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2,4-Dinitrophenol	ND	(1700)	[0.034976]	ND	(1800)	[0.035054]	ND	(1700)	[0.034972]	ND	(720)	[0.036125]
2,4-Dinitrotoluene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2,6-Dichlorophenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2,6-Dinitrotoluene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2-Chloronaphthalene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2-Chlorophenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2-Methylnaphthalene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2-Methylphenol(o-cresol)	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2-Naphthylamine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2-Nitroaniline	ND	(1700)	[0.034976]	ND	(1800)	[0.035054]	ND	(1700)	[0.034972]	ND	(360)	[0.036125]
2-Nitrophenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
2-Picoline	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
3,3'-Dichlorobenzidine	ND	(700)	[0.034976]	ND	(700)	[0.035054]	ND	(700)	[0.034972]	ND	(360)	[0.036125]
3-Methylcholanthrene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
3-Nitroaniline	ND	(1700)	[0.034976]	ND	(1800)	[0.035054]	ND	(1700)	[0.034972]	ND	(720)	[0.036125]
4,6-Dinitro-2-methylphenol	ND	(1700)	[0.034976]	ND	(1800)	[0.035054]	ND	(1700)	[0.034972]	ND	(360)	[0.036125]
4-Aminobiphenyl	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
4-Bromophenyl phenyl ether	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
4-Chloro-3-methylphenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
4-Chlorophenyl phenyl ether	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
4-Methylphenol(p-cresol)	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
4-Nitroaniline	ND	(1700)	[0.034976]	ND	(1800)	[0.035054]	ND	(1700)	[0.034972]	ND	(720)	[0.036125]
4-Nitrophenol	ND	(1700)	[0.034976]	ND	(1800)	[0.035054]	ND	(1700)	[0.034972]	ND	(360)	[0.036125]
7,12-Dimethylbenz(a)anthracene	ND	(870)	[0.034976]	ND	(880)	[0.035054]	ND	(870)	[0.034972]	ND	(360)	[0.036125]
Acenaphthene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-11 49 - 51			NONE 14 CAN97-14-12 54 - 56			NONE 14 CAN97-14-13 59 - 61			NONE 15 CAN97-15-06 6 - 8		
Acenaphthylene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Acetophenone	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Aniline	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Anthracene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Benzidine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Benzo(a)anthracene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Benzo(a)pyrene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Benzo(b)fluoranthene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Benzo(g,h,i)perylene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Benzo(k)fluoranthene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Benzoic acid	ND	(1700)	[0.034976]	ND	(1800)	[0.035054]	ND	(1700)	[0.034972]	ND	(1800)	[0.036125]
Benzyl alcohol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Butylbenzylphthalate	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Chrysene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Di-n-octylphthalate	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Dibenz(a,h)anthracene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Dibenz(a,j)acridine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Dibenzofuran	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Dibutylphthalate	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Diethylphthalate	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Dimethylphenethylamine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(4300)	[0.036125]
Dimethylphthalate	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Diphenylamine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Ethyl methanesulfonate	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Fluoranthene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Fluorene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Hexachlorobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Hexachlorobutadiene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Hexachlorocyclopentadiene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 14 CAN97-14-11 49 - 51			NONE 14 CAN97-14-12 54 - 56			NONE 14 CAN97-14-13 59 - 61			NONE 15 CAN97-15-06 6 - 8		
Hexachloroethane	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Isophorone	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Methyl methanesulfonate	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(1800)	[0.036125]
N-Nitroso-di-n-butylamine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
N-Nitrosodimethylamine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
N-Nitrosodiphenylamine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
N-Nitrosodipropylamine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
N-Nitrosopiperidine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Naphthalene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Nitrobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Pentachlorobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Pentachloronitrobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Pentachlorophenol	ND	(1700)	[0.034976]	ND	(1800)	[0.035054]	ND	(1700)	[0.034972]	ND	(360)	[0.036125]
Phenacetin	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Phenanthrene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Phenol	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Pronamide	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Pyrene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Pyridine	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
Trichloropropene(s)	NA			240	(0)	[0.035054]	NA			NA		
Unknown	170	(0)	[0.034976]	420	(0)	[0.035054]	NA			NA		
Unknown cyclic ether	280	(0)	[0.034976]	380	(0)	[0.035054]	170	(0)	[0.034972]	NA		
bis(2-Chloroethoxy)methane	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
bis(2-Chloroethyl)ether	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
bis(2-Ethylhexyl)phthalate	ND	(350)	[0.034976]	ND	(350)	[0.035054]	78 JB	(350)	[0.034972]	ND	(360)	[0.036125]
p-Chloroaniline	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]
p-Dimethylaminoazobenzene	ND	(350)	[0.034976]	ND	(350)	[0.035054]	ND	(350)	[0.034972]	ND	(360)	[0.036125]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

	SITE ID	NONE	NONE	NONE	NONE
	LOCATION ID	14	14	14	15
	SAMPLE ID	CAN97-14-11	CAN97-14-12	CAN97-14-13	CAN97-15-06
	BEG. DEPTH - END DEPTH (FT.)	49 - 51	54 - 56	59 - 61	6 - 8
PARAMETER					

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	8.6 @	(27)	[5.478251]	1600	(25)	[5.060820]	6.3 @	(26)	[5.286646]	32 @	(26)	[5.152067]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	NA			28 J	(30)	[101]	ND	(32)	[107]	NA		
Diesel (2)	NA			120000 G@	(51000)	[1020.408]	15000 GB@	(5400)	[107.5268]	NA		
Ethylbenzene (2)	NA			ND	(30)	[101]	ND	(32)	[107]	NA		
Gasoline (2)	NA			5000 G@	(5000)	[101]	ND	(5400)	[107]	NA		
Jet fuel (2)	NA			ND	(100000)	[1020.408]	ND	(11000)	[107.5268]	NA		
Kerosene (2)	NA			ND	(100000)	[1020.408]	ND	(11000)	[107.5268]	NA		
Toluene (2)	NA			330 C	(30)	[101]	ND	(32)	[107]	NA		
Xylenes (total) (2)	NA			14 J	(50)	[101]	ND	(54)	[107]	NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
4,4'-DDE	ND	(0.37)	[36.52167]	17 @	(17)	[1703.577]	ND	(0.36)	[35.89375]	12	(0.35)	[34.71017]
4,4'-DDT	ND	(0.73)	[36.52167]	27 J	(34)	[1703.577]	0.34 J	(0.72)	[35.89375]	6.1	(0.69)	[34.71017]
Aldrin	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
Chlordane	ND	(1.8)	[36.52167]	ND	(85)	[1703.577]	ND	(1.8)	[35.89375]	ND	(1.7)	[34.71017]
Dieldrin	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
Endosulfan I	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
Endosulfan II	ND	(1.1)	[36.52167]	ND	(51)	[1703.577]	ND	(1.1)	[35.89375]	ND	(1)	[34.71017]
Endosulfan Sulfate	ND	(1.8)	[36.52167]	ND	(85)	[1703.577]	ND	(1.8)	[35.89375]	ND	(1.7)	[34.71017]
Endrin	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
Endrin Aldehyde	ND	(0.73)	[36.52167]	ND	(34)	[1703.577]	ND	(0.72)	[35.89375]	ND	(0.69)	[34.71017]
Endrin Ketone	ND	(1.8)	[36.52167]	ND	(85)	[1703.577]	ND	(1.8)	[35.89375]	ND	(1.7)	[34.71017]
Heptachlor	ND	(0.37)	[36.52167]	0.12 J	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
Heptachlor epoxide	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	0.94 G@	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
Methoxychlor	ND	(1.8)	[36.52167]	ND	(85)	[1703.577]	ND	(1.8)	[35.89375]	ND	(1.7)	[34.71017]
PCB-1016	ND	(3.7)	[36.52167]	ND	(170)	[1703.577]	ND	(3.6)	[35.89375]	ND	(3.5)	[34.71017]
PCB-1221	ND	(7.3)	[36.52167]	ND	(340)	[1703.577]	ND	(7.2)	[35.89375]	ND	(6.9)	[34.71017]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
PCB-1232	ND	(7.3)	[36.52167]	ND	(340)	[1703.577]	ND	(7.2)	[35.89375]	ND	(6.9)	[34.71017]
PCB-1242	ND	(3.7)	[36.52167]	ND	(170)	[1703.577]	ND	(3.6)	[35.89375]	ND	(3.5)	[34.71017]
PCB-1248	ND	(3.7)	[36.52167]	ND	(170)	[1703.577]	ND	(3.6)	[35.89375]	ND	(3.5)	[34.71017]
PCB-1254	ND	(7.3)	[36.52167]	ND	(340)	[1703.577]	ND	(7.2)	[35.89375]	ND	(6.9)	[34.71017]
PCB-1260	ND	(7.3)	[36.52167]	ND	(340)	[1703.577]	ND	(7.2)	[35.89375]	ND	(6.9)	[34.71017]
Toxaphene	ND	(18)	[36.52167]	ND	(850)	[1703.577]	ND	(18)	[35.89375]	ND	(17)	[34.71017]
alpha-BHC	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
beta-BHC	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
delta-BHC	ND	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
gamma-BHC	0.56 G@	(0.37)	[36.52167]	ND	(17)	[1703.577]	ND	(0.36)	[35.89375]	ND	(0.35)	[34.71017]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			ND	(6.8)	[34.07]	ND	(7.3)	[36.41660]	NA		
2,4,5-TP (Silvex)	NA			ND	(5.8)	[34.07]	ND	(6.2)	[36.41660]	NA		
2,4-D	NA			2.3 J	(41)	[34.07]	ND	(44)	[36.41660]	NA		
2,4-DB	NA			34 G@	(31)	[34.07]	ND	(33)	[36.41660]	NA		
Dalapon	NA			ND	(200)	[34.07]	ND	(210)	[36.41660]	NA		
Dicamba	NA			ND	(9.2)	[34.07]	ND	(9.8)	[36.41660]	NA		
Dichloroprop	NA			17 J	(22)	[34.07]	11 J	(24)	[36.41660]	NA		
Dinoseb	NA			ND	(5.1)	[34.07]	ND	(5.5)	[36.41660]	NA		
MCPA	NA			ND	(8500)	[34.07]	ND	(9100)	[36.41660]	NA		
MCPP	NA			ND	(6500)	[34.07]	ND	(7000)	[36.41660]	NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
1,1,2,2-Tetrachloroethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
1,1,2-Trichloroethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
1,1-Dichloroethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
1,1-Dichloroethene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
1,2,3-Trichloropropane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
1,2-Dichloroethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
1,2-Dichloropropane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
2-Chloroethyl vinyl ether	ND	(11)	[1.095650]	ND	(10)	[1.022285]	ND	(11)	[1.076889]	ND	(10)	[1.041232]
2-Hexanone	ND	(55)	[1.095650]	ND	(51)	[1.022285]	ND	(54)	[1.076889]	ND	(52)	[1.041232]
4-Methyl-2-pentanone(MIBK)	ND	(55)	[1.095650]	ND	(51)	[1.022285]	ND	(54)	[1.076889]	ND	(52)	[1.041232]
Acetone	ND	(110)	[1.095650]	ND	(100)	[1.022285]	ND	(110)	[1.076889]	ND	(100)	[1.041232]
Acrolein	ND	(82)	[1.095650]	ND	(77)	[1.022285]	ND	(81)	[1.076889]	ND	(78)	[1.041232]
Acrylonitrile	ND	(55)	[1.095650]	ND	(51)	[1.022285]	ND	(54)	[1.076889]	ND	(52)	[1.041232]
Benzene	ND	(5.5)	[1.095650]	6.7 @	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Bromodichloromethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Bromomethane	ND	(11)	[1.095650]	ND	(10)	[1.022285]	ND	(11)	[1.076889]	ND	(10)	[1.041232]
Carbon disulfide	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Carbon tetrachloride	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Chlorobenzene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Chloroethane	ND	(11)	[1.095650]	ND	(10)	[1.022285]	ND	(11)	[1.076889]	ND	(10)	[1.041232]
Chloroform	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Chloromethane	ND	(11)	[1.095650]	ND	(10)	[1.022285]	ND	(11)	[1.076889]	ND	(10)	[1.041232]
Dibromochloromethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Dibromomethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Dichlorodifluoromethane	ND	(22)	[1.095650]	ND	(20)	[1.022285]	ND	(22)	[1.076889]	ND	(21)	[1.041232]
Ethyl benzene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Ethyl methacrylate	ND	(16)	[1.095650]	ND	(15)	[1.022285]	ND	(16)	[1.076889]	ND	(16)	[1.041232]
Iodomethane	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Methyl ethyl ketone	ND	(110)	[1.095650]	ND	(100)	[1.022285]	ND	(110)	[1.076889]	ND	(100)	[1.041232]
Methylene chloride	ND	(5.5)	[1.095650]	6.3 @	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Styrene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Tetrachloroethene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Toluene	1.1 J	(5.5)	[1.095650]	79	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Tribromomethane(Bromoform)	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Trichloroethene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
Trichlorofluoromethane	ND	(11)	[1.095650]	ND	(10)	[1.022285]	ND	(11)	[1.076889]	ND	(10)	[1.041232]
Vinyl acetate	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
Vinyl chloride	ND	(11)	[1.095650]	ND	(10)	[1.022285]	ND	(11)	[1.076889]	ND	(10)	[1.041232]
Xylenes	ND	(5.5)	[1.095650]	3.6 J	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
cis-1,3-Dichloropropene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
trans-1,2-Dichloroethene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
trans-1,3-Dichloropropene	ND	(5.5)	[1.095650]	ND	(5.1)	[1.022285]	ND	(5.4)	[1.076889]	ND	(5.2)	[1.041232]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.095650]	ND	(10)	[1.022285]	ND	(11)	[1.076889]	ND	(10)	[1.041232]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
1,2,4-Trichlorobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
1,2-Dichlorobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
1,2-Diphenylhydrazine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
1,3-Dichlorobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
1,4-Dichlorobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
1-Chloronaphthalene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
1-Naphthylamine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2,3,4,6-Tetrachlorophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2,4,5-Trichlorophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2,4,6-Trichlorophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2,4-Dichlorophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2,4-Dimethylphenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2,4-Dinitrophenol	ND	(730)	[0.036460]	ND	(680)	[0.034076]	ND	(720)	[0.035836]	ND	(690)	[0.034592]
2,4-Dinitrotoluene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2,6-Dichlorophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2,6-Dinitrotoluene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2-Chloronaphthalene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2-Chlorophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2-Methylnaphthalene	ND	(360)	[0.036460]	43 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)			NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
2-Methylphenol(o-cresol)	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2-Naphthylamine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2-Nitroaniline	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2-Nitrophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
2-Picoline	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
3,3'-Dichlorobenzidine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
3-Methylcholanthrene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
3-Nitroaniline	ND	(730)	[0.036460]	ND	(680)	[0.034076]	ND	(720)	[0.035836]	ND	(690)	[0.034592]
4,6-Dinitro-2-methylphenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
4-Aminobiphenyl	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
4-Bromophenyl phenyl ether	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
4-Chloro-3-methylphenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
4-Chlorophenyl phenyl ether	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
4-Methylphenol(p-cresol)	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
4-Nitroaniline	ND	(730)	[0.036460]	ND	(680)	[0.034076]	ND	(720)	[0.035836]	ND	(690)	[0.034592]
4-Nitrophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
7,12-Dimethylbenz(a)anthracene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Acenaphthene	ND	(360)	[0.036460]	110 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Acenaphthylene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Acetophenone	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Aniline	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Anthracene	ND	(360)	[0.036460]	130 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Benzidine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Benzo(a)anthracene	ND	(360)	[0.036460]	730 @	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Benzo(a)pyrene	ND	(360)	[0.036460]	970 @	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Benzo(b)fluoranthene	ND	(360)	[0.036460]	1000 @	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Benzo(g,h,i)perylene	ND	(360)	[0.036460]	270 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Benzo(k)fluoranthene	ND	(360)	[0.036460]	890 @	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Benzoic acid	ND	(1800)	[0.036460]	ND	(1700)	[0.034076]	ND	(1800)	[0.035836]	ND	(1700)	[0.034592]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
Benzyl alcohol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Butylbenzylphthalate	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Chrysene	ND	(360)	[0.036460]	780 @	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Di-n-octylphthalate	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Dibenz(a,h)anthracene	ND	(360)	[0.036460]	89 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Dibenz(a,j)acridine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Dibenzofuran	ND	(360)	[0.036460]	78 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Dibutylphthalate	ND	(360)	[0.036460]	9.4 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Diethylphthalate	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Dimethylphenethylamine	ND	(4400)	[0.036460]	ND	(4100)	[0.034076]	ND	(4300)	[0.035836]	ND	(4200)	[0.034592]
Dimethylphthalate	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Diphenylamine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Ethyl methanesulfonate	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Fluoranthene	ND	(360)	[0.036460]	1100 @	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Fluorene	ND	(360)	[0.036460]	83 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Hexachlorobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Hexachlorobutadiene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Hexachlorocyclopentadiene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Hexachloroethane	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Indeno(1,2,3-cd)pyrene	ND	(360)	[0.036460]	300 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Isophorone	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Methyl methanesulfonate	ND	(1800)	[0.036460]	ND	(1700)	[0.034076]	ND	(1800)	[0.035836]	ND	(1700)	[0.034592]
N-Nitroso-di-n-butylamine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
N-Nitrosodimethylamine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
N-Nitrosodiphenylamine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
N-Nitrosodipropylamine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
N-Nitrosopiperidine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Naphthalene	ND	(360)	[0.036460]	42 J	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Nitrobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
Pentachlorobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Pentachloronitrobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Pentachlorophenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Phenacetin	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Phenanthrene	ND	(360)	[0.036460]	540 @	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Phenol	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Pronamide	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Pyrene	ND	(360)	[0.036460]	970 @	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Pyridine	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
Unknown	220	(0)	[0.036460]	270	(0)	[0.034076]	360	(0)	[0.035836]	590	(0)	[0.034592]
Unknown B	180	(0)	[0.036460]	680	(0)	[0.034076]	NA			NA		
Unknown C17-PNA	NA			170	(0)	[0.034076]	NA			NA		
Unknown C18-PNA	NA			170	(0)	[0.034076]	NA			NA		
Unknown C20-PNA	NA			200	(0)	[0.034076]	NA			NA		
Unknown alkane	NA			NA			NA			210	(0)	[0.034592]
bis(2-Chloroethoxy)methane	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
bis(2-Chloroethyl)ether	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
bis(2-Chloroisopropyl)ether	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
bis(2-Ethylhexyl)phthalate	ND	(360)	[0.036460]	120 JB	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
p-Chloroaniline	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]
p-Dimethylaminoazobenzene	ND	(360)	[0.036460]	ND	(340)	[0.034076]	ND	(360)	[0.035836]	ND	(350)	[0.034592]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 16 CAN97-16-99 Dup of CAN97-16-I 0 - 0			NONE 16 CAN97-16-S 0 - 2			NONE 17 CAN97-17-06 6 - 8			NONE 17 CAN97-17-99 Dup of CAN97-17-06 6 - 8		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	46 @	(26)	[5.100976]	75 @	(25)	[4.972992]	47 @	(27)	[5.478251]	42 @	(28)	[5.513895]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
4,4'-DDE	12	(0.35)	[34.57814]	10 @	(3.4)	[337.8378]	0.88 @	(0.37)	[36.52167]	0.83 @	(0.37)	[36.7593]
4,4'-DDT	6.6	(0.69)	[34.57814]	4.8 J	(6.8)	[337.8378]	0.94 G@	(0.73)	[36.52167]	2.3 @	(0.74)	[36.7593]
Aldrin	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
Chlordane	ND	(1.7)	[34.57814]	ND	(17)	[337.8378]	ND	(1.8)	[36.52167]	ND	(1.8)	[36.7593]
Dieldrin	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
Endosulfan I	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
Endosulfan II	ND	(1)	[34.57814]	ND	(10)	[337.8378]	ND	(1.1)	[36.52167]	ND	(1.1)	[36.7593]
Endosulfan Sulfate	ND	(1.7)	[34.57814]	ND	(17)	[337.8378]	ND	(1.8)	[36.52167]	ND	(1.8)	[36.7593]
Endrin	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
Endrin Aldehyde	ND	(0.69)	[34.57814]	ND	(6.8)	[337.8378]	ND	(0.73)	[36.52167]	ND	(0.74)	[36.7593]
Endrin Ketone	ND	(1.7)	[34.57814]	ND	(17)	[337.8378]	ND	(1.8)	[36.52167]	ND	(1.8)	[36.7593]
Heptachlor	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
Heptachlor epoxide	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
Methoxychlor	ND	(1.7)	[34.57814]	ND	(17)	[337.8378]	ND	(1.8)	[36.52167]	ND	(1.8)	[36.7593]
PCB-1016	ND	(3.5)	[34.57814]	ND	(34)	[337.8378]	ND	(3.7)	[36.52167]	ND	(3.7)	[36.7593]
PCB-1221	ND	(6.9)	[34.57814]	ND	(68)	[337.8378]	ND	(7.3)	[36.52167]	ND	(7.4)	[36.7593]
PCB-1232	ND	(6.9)	[34.57814]	ND	(68)	[337.8378]	ND	(7.3)	[36.52167]	ND	(7.4)	[36.7593]
PCB-1242	ND	(3.5)	[34.57814]	ND	(34)	[337.8378]	ND	(3.7)	[36.52167]	ND	(3.7)	[36.7593]
PCB-1248	ND	(3.5)	[34.57814]	ND	(34)	[337.8378]	ND	(3.7)	[36.52167]	ND	(3.7)	[36.7593]
PCB-1254	ND	(6.9)	[34.57814]	ND	(68)	[337.8378]	ND	(7.3)	[36.52167]	ND	(7.4)	[36.7593]
PCB-1260	ND	(6.9)	[34.57814]	ND	(68)	[337.8378]	ND	(7.3)	[36.52167]	ND	(7.4)	[36.7593]
Toxaphene	ND	(17)	[34.57814]	ND	(170)	[337.8378]	ND	(18)	[36.52167]	ND	(18)	[36.7593]
alpha-BHC	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
beta-BHC	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]
delta-BHC	0.35 G@	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	ND	(0.37)	[36.7593]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 16 CAN97-16-99 Dup of CAN97-16-I 0 - 0			NONE 16 CAN97-16-S 0 - 2			NONE 17 CAN97-17-06 6 - 8			NONE 17 CAN97-17-99 Dup of CAN97-17-06 6 - 8		
gamma-BHC	ND	(0.35)	[34.57814]	ND	(3.4)	[337.8378]	ND	(0.37)	[36.52167]	0.31 J	(0.37)	[36.7593]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
1,1,2,2-Tetrachloroethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
1,1,2-Trichloroethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
1,1-Dichloroethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
1,1-Dichloroethene	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
1,2,3-Trichloropropane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
1,2-Dichloroethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
1,2-Dichloropropane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
2-Chloroethyl vinyl ether	ND	(10)	[1.039068]	ND	(10)	[1.013993]	ND	(11)	[1.095650]	ND	(11)	[1.102779]
2-Hexanone	ND	(52)	[1.039068]	ND	(51)	[1.013993]	ND	(55)	[1.095650]	ND	(55)	[1.102779]
4-Methyl-2-pentanone(MIBK)	ND	(52)	[1.039068]	ND	(51)	[1.013993]	ND	(55)	[1.095650]	ND	(55)	[1.102779]
Acetone	ND	(100)	[1.039068]	120 @	(100)	[1.013993]	ND	(110)	[1.095650]	ND	(110)	[1.102779]
Acrolein	ND	(78)	[1.039068]	ND	(76)	[1.013993]	ND	(82)	[1.095650]	ND	(83)	[1.102779]
Acrylonitrile	ND	(52)	[1.039068]	ND	(51)	[1.013993]	ND	(55)	[1.095650]	ND	(55)	[1.102779]
Benzene	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Bromodichloromethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Bromomethane	ND	(10)	[1.039068]	ND	(10)	[1.013993]	ND	(11)	[1.095650]	ND	(11)	[1.102779]
Carbon disulfide	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Carbon tetrachloride	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Chlorobenzene	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Chloroethane	ND	(10)	[1.039068]	ND	(10)	[1.013993]	ND	(11)	[1.095650]	ND	(11)	[1.102779]
Chloroform	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Chloromethane	ND	(10)	[1.039068]	ND	(10)	[1.013993]	ND	(11)	[1.095650]	ND	(11)	[1.102779]
Dibromochloromethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Dibromomethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Dichlorodifluoromethane	ND	(21)	[1.039068]	ND	(20)	[1.013993]	ND	(22)	[1.095650]	ND	(22)	[1.102779]
Ethyl benzene	ND	(5.2)	[1.039068]	1.2 J	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 16 CAN97-16-99 Dup of CAN97-16-I 0 - 0			NONE 16 CAN97-16-S 0 - 2			NONE 17 CAN97-17-06 6 - 8			NONE 17 CAN97-17-99 Dup of CAN97-17-06 6 - 8		
Ethyl methacrylate	ND	(16)	[1.039068]	ND	(15)	[1.013993]	ND	(16)	[1.095650]	ND	(17)	[1.102779]
Iodomethane	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Methyl ethyl ketone	ND	(100)	[1.039068]	ND	(100)	[1.013993]	ND	(110)	[1.095650]	ND	(110)	[1.102779]
Methylene chloride	ND	(5.2)	[1.039068]	100	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Styrene	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Tetrachloroethene	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Toluene	ND	(5.2)	[1.039068]	68	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Tribromomethane(Bromoform)	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Trichloroethene	ND	(5.2)	[1.039068]	0.36 J	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Trichlorofluoromethane	ND	(10)	[1.039068]	ND	(10)	[1.013993]	ND	(11)	[1.095650]	ND	(11)	[1.102779]
Vinyl acetate	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
Vinyl chloride	ND	(10)	[1.039068]	ND	(10)	[1.013993]	ND	(11)	[1.095650]	ND	(11)	[1.102779]
Xylenes	ND	(5.2)	[1.039068]	4.9 J	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
cis-1,3-Dichloropropene	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
trans-1,2-Dichloroethene	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
trans-1,3-Dichloropropene	ND	(5.2)	[1.039068]	ND	(5.1)	[1.013993]	ND	(5.5)	[1.095650]	ND	(5.5)	[1.102779]
trans-1,4-Dichloro-2-butene	ND	(10)	[1.039068]	ND	(10)	[1.013993]	ND	(11)	[1.095650]	ND	(11)	[1.102779]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
1,2,4-Trichlorobenzene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
1,2-Dichlorobenzene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
1,2-Diphenylhydrazine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
1,3-Dichlorobenzene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
1,4-Dichlorobenzene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
1-Chloronaphthalene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
1-Naphthylamine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2,3,4,6-Tetrachlorophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2,4,5-Trichlorophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2,4,6-Trichlorophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 16 CAN97-16-99 Dup of CAN97-16-I 0 - 0			NONE 16 CAN97-16-S 0 - 2			NONE 17 CAN97-17-06 6 - 8			NONE 17 CAN97-17-99 Dup of CAN97-17-06 6 - 8		
2,4-Dichlorophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2,4-Dimethylphenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2,4-Dinitrophenol	ND	(690)	[0.034635]	ND	(680)	[0.033799]	ND	(730)	[0.036339]	ND	(730)	[0.036698]
2,4-Dinitrotoluene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2,6-Dichlorophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2,6-Dinitrotoluene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2-Chloronaphthalene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2-Chlorophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2-Methylnaphthalene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2-Methylphenol(o-cresol)	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2-Naphthylamine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2-Nitroaniline	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2-Nitrophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
2-Picoline	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
3,3'-Dichlorobenzidine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
3-Methylcholanthrene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
3-Nitroaniline	ND	(690)	[0.034635]	ND	(680)	[0.033799]	ND	(730)	[0.036339]	ND	(730)	[0.036698]
4,6-Dinitro-2-methylphenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
4-Aminobiphenyl	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
4-Bromophenyl phenyl ether	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
4-Chloro-3-methylphenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
4-Chlorophenyl phenyl ether	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
4-Methylphenol(p-cresol)	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
4-Nitroaniline	ND	(690)	[0.034635]	ND	(680)	[0.033799]	ND	(730)	[0.036339]	ND	(730)	[0.036698]
4-Nitrophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
7,12-Dimethylbenz(a)anthracene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Acenaphthene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Acenaphthylene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Acetophenone	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

	SITE ID							
	LOCATION ID							
	SAMPLE ID							
	BEG. DEPTH - END DEPTH (FT.)							
	NONE		NONE		NONE		NONE	
	16		16		17		17	
	CAN97-16-99 Dup of CAN97-16-I		CAN97-16-S		CAN97-17-06		CAN97-17-99 Dup of CAN97-17-06	
PARAMETER	0 - 0		0 - 2		6 - 8		6 - 8	
Aniline	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Anthracene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Benzidine	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Benzo(a)anthracene	ND	(350) [0.034635]	10 J	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Benzo(a)pyrene	ND	(350) [0.034635]	9.2 J	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Benzo(b)fluoranthene	ND	(350) [0.034635]	34 JX	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Benzo(g,h,i)perylene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Benzo(k)fluoranthene	ND	(350) [0.034635]	34 JX	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Benzoic acid	ND	(1700) [0.034635]	ND	(1700) [0.033799]	ND	(1800) [0.036339]	ND	(1800) [0.036698]
Benzyl alcohol	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Butylbenzylphthalate	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Chrysene	ND	(350) [0.034635]	12 J	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Di-n-octylphthalate	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Dibenz(a,h)anthracene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Dibenz(a,j)acridine	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Dibenzofuran	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Dibutylphthalate	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Diethylphthalate	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Dimethylphenethylamine	ND	(4200) [0.034635]	ND	(4100) [0.033799]	ND	(4400) [0.036339]	ND	(4400) [0.036698]
Dimethylphthalate	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Diphenylamine	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Ethyl methanesulfonate	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Fluoranthene	ND	(350) [0.034635]	12 J	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Fluorene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Hexachlorobenzene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Hexachlorobutadiene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Hexachlorocyclopentadiene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Hexachloroethane	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
Indeno(1,2,3-cd)pyrene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 16 CAN97-16-99 Dup of CAN97-16-I 0 - 0			NONE 16 CAN97-16-S 0 - 2			NONE 17 CAN97-17-06 6 - 8			NONE 17 CAN97-17-99 Dup of CAN97-17-06 6 - 8		
Isophorone	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Methyl methanesulfonate	ND	(1700)	[0.034635]	ND	(1700)	[0.033799]	ND	(1800)	[0.036339]	ND	(1800)	[0.036698]
N-Nitroso-di-n-butylamine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
N-Nitrosodimethylamine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
N-Nitrosodiphenylamine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
N-Nitrosodipropylamine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
N-Nitrosopiperidine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Naphthalene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Nitrobenzene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Pentachlorobenzene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Pentachloronitrobenzene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Pentachlorophenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Phenacetin	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Phenanthrene	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Phenol	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Pronamide	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Pyrene	ND	(350)	[0.034635]	11 J	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Pyridine	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
Unknown	660	(0)	[0.034635]	200	(0)	[0.033799]	NA			NA		
Unknown B	NA			240	(0)	[0.033799]	NA			150	(0)	[0.036698]
Unknown aldehyde	NA			170	(0)	[0.033799]	NA			NA		
Unknown alkane	210	(0)	[0.034635]	300	(0)	[0.033799]	NA			NA		
Unknown alkene	240	(0)	[0.034635]	270	(0)	[0.033799]	NA			NA		
Unknown carboxylic acid	NA			270	(0)	[0.033799]	NA			NA		
Unknown oxirane	NA			640	(0)	[0.033799]	NA			NA		
bis(2-Chloroethoxy)methane	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
bis(2-Chloroethyl)ether	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.034635]	ND	(340)	[0.033799]	ND	(360)	[0.036339]	ND	(370)	[0.036698]
bis(2-Ethylhexyl)phthalate	13 J	(350)	[0.034635]	59 JB	(340)	[0.033799]	240 J	(360)	[0.036339]	ND	(370)	[0.036698]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

	SITE ID							
	LOCATION ID							
	SAMPLE ID							
	BEG. DEPTH - END DEPTH (FT.)							
	NONE		NONE		NONE		NONE	
	16		16		17		17	
	CAN97-16-99 Dup of CAN97-16-I		CAN97-16-S		CAN97-17-06		CAN97-17-99 Dup of CAN97-17-06	
PARAMETER	0 - 0		0 - 2		6 - 8		6 - 8	
p-Chloroaniline	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]
p-Dimethylaminoazobenzene	ND	(350) [0.034635]	ND	(340) [0.033799]	ND	(360) [0.036339]	ND	(370) [0.036698]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 17 CAN97-17-I 4 - 6			NONE 17 CAN97-17-S 0 - 2			NONE 18 CAN97-18-06 5 - 7			NONE 18 CAN97-18-I 4 - 6		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	100 @	(28)	[5.513895]	9900	(120)	[24.70176]	11 @	(27)	[5.422993]	12 @	(28)	[5.528527]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	ND	(31)	[104]	NA			NA			NA		
Diesel (2)	13000 GB@	(5400)	[108.6956]	NA			NA			NA		
Ethylbenzene (2)	ND	(31)	[104]	NA			NA			NA		
Gasoline (2)	ND	(5200)	[104]	NA			NA			NA		
Jet fuel (2)	ND	(11000)	[108.6956]	NA			NA			NA		
Kerosene (2)	ND	(11000)	[108.6956]	NA			NA			NA		
Toluene (2)	19 J	(31)	[104]	NA			NA			NA		
Xylenes (total) (2)	29 J	(52)	[104]	NA			NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(0.37)	[36.7593]	5.9 B@	(3.3)	[333.667]	ND	(0.36)	[36.15328]	0.19 J	(0.37)	[36.85684]
4,4'-DDE	1.6 @	(0.37)	[36.7593]	0.75 J	(3.3)	[333.667]	ND	(0.36)	[36.15328]	0.26 J	(0.37)	[36.85684]
4,4'-DDT	1.1 @	(0.74)	[36.7593]	5.3 J	(6.7)	[333.667]	ND	(0.72)	[36.15328]	ND	(0.74)	[36.85684]
Aldrin	ND	(0.37)	[36.7593]	5.7 @	(3.3)	[333.667]	ND	(0.36)	[36.15328]	4 G	(0.37)	[36.85684]
Chlordane	ND	(1.8)	[36.7593]	ND	(17)	[333.667]	ND	(1.8)	[36.15328]	ND	(1.8)	[36.85684]
Dieldrin	ND	(0.37)	[36.7593]	1.2 J	(3.3)	[333.667]	ND	(0.36)	[36.15328]	ND	(0.37)	[36.85684]
Endosulfan I	ND	(0.37)	[36.7593]	ND	(3.3)	[333.667]	ND	(0.36)	[36.15328]	ND	(0.37)	[36.85684]
Endosulfan II	ND	(1.1)	[36.7593]	ND	(10)	[333.667]	ND	(1.1)	[36.15328]	ND	(1.1)	[36.85684]
Endosulfan Sulfate	ND	(1.8)	[36.7593]	ND	(17)	[333.667]	ND	(1.8)	[36.15328]	ND	(1.8)	[36.85684]
Endrin	ND	(0.37)	[36.7593]	2.5 J	(3.3)	[333.667]	ND	(0.36)	[36.15328]	ND	(0.37)	[36.85684]
Endrin Aldehyde	ND	(0.74)	[36.7593]	4.4 J	(6.7)	[333.667]	ND	(0.72)	[36.15328]	ND	(0.74)	[36.85684]
Endrin Ketone	ND	(1.8)	[36.7593]	11 J	(17)	[333.667]	ND	(1.8)	[36.15328]	ND	(1.8)	[36.85684]
Heptachlor	ND	(0.37)	[36.7593]	ND	(3.3)	[333.667]	ND	(0.36)	[36.15328]	ND	(0.37)	[36.85684]
Heptachlor epoxide	ND	(0.37)	[36.7593]	ND	(3.3)	[333.667]	ND	(0.36)	[36.15328]	0.79 G@	(0.37)	[36.85684]
Methoxychlor	ND	(1.8)	[36.7593]	ND	(17)	[333.667]	ND	(1.8)	[36.15328]	ND	(1.8)	[36.85684]
PCB-1016	ND	(3.7)	[36.7593]	ND	(33)	[333.667]	ND	(3.6)	[36.15328]	ND	(3.7)	[36.85684]
PCB-1221	ND	(7.4)	[36.7593]	ND	(67)	[333.667]	ND	(7.2)	[36.15328]	ND	(7.4)	[36.85684]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 17 CAN97-17-I 4 - 6			NONE 17 CAN97-17-S 0 - 2			NONE 18 CAN97-18-06 5 - 7			NONE 18 CAN97-18-I 4 - 6		
PCB-1232	ND	(7.4)	[36.7593]	ND	(67)	[333.667]	ND	(7.2)	[36.15328]	ND	(7.4)	[36.85684]
PCB-1242	ND	(3.7)	[36.7593]	ND	(33)	[333.667]	ND	(3.6)	[36.15328]	ND	(3.7)	[36.85684]
PCB-1248	ND	(3.7)	[36.7593]	ND	(33)	[333.667]	ND	(3.6)	[36.15328]	ND	(3.7)	[36.85684]
PCB-1254	ND	(7.4)	[36.7593]	ND	(67)	[333.667]	ND	(7.2)	[36.15328]	ND	(7.4)	[36.85684]
PCB-1260	ND	(7.4)	[36.7593]	ND	(67)	[333.667]	ND	(7.2)	[36.15328]	ND	(7.4)	[36.85684]
Toxaphene	ND	(18)	[36.7593]	ND	(170)	[333.667]	ND	(18)	[36.15328]	ND	(18)	[36.85684]
alpha-BHC	ND	(0.37)	[36.7593]	ND	(3.3)	[333.667]	ND	(0.36)	[36.15328]	ND	(0.37)	[36.85684]
beta-BHC	ND	(0.37)	[36.7593]	1.3 J	(3.3)	[333.667]	ND	(0.36)	[36.15328]	ND	(0.37)	[36.85684]
delta-BHC	ND	(0.37)	[36.7593]	ND	(3.3)	[333.667]	0.86 G@	(0.36)	[36.15328]	0.4 G@	(0.37)	[36.85684]
gamma-BHC	0.27 J	(0.37)	[36.7593]	ND	(3.3)	[333.667]	0.37 G@	(0.36)	[36.15328]	ND	(0.37)	[36.85684]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	ND	(7.4)	[36.76470]	NA			NA			NA		
2,4,5-TP (Silvex)	2.1 J	(6.2)	[36.76470]	NA			NA			NA		
2,4-D	ND	(44)	[36.76470]	NA			NA			NA		
2,4-DB	9.4 J	(33)	[36.76470]	NA			NA			NA		
Dalapon	ND	(210)	[36.76470]	NA			NA			NA		
Dicamba	ND	(9.9)	[36.76470]	NA			NA			NA		
Dichloroprop	18 J	(24)	[36.76470]	NA			NA			NA		
Dinoseb	ND	(5.5)	[36.76470]	NA			NA			NA		
MCPA	ND	(9200)	[36.76470]	NA			NA			NA		
MCPP	ND	(7100)	[36.76470]	NA			NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
1,1,2,2-Tetrachloroethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
1,1,2-Trichloroethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
1,1-Dichloroethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
1,1-Dichloroethene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
1,2,3-Trichloropropane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
1,2-Dichloroethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 17 CAN97-17-I 4 - 6			NONE 17 CAN97-17-S 0 - 2			NONE 18 CAN97-18-06 5 - 7			NONE 18 CAN97-18-I 4 - 6		
1,2-Dichloropropane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
2-Chloroethyl vinyl ether	ND	(11)	[1.102779]	ND	(10)	[1.001903]	ND	(11)	[1.084598]	ND	(11)	[1.107787]
2-Hexanone	ND	(55)	[1.102779]	5 J	(50)	[1.001903]	ND	(54)	[1.084598]	ND	(55)	[1.107787]
4-Methyl-2-pentanone(MIBK)	ND	(55)	[1.102779]	ND	(50)	[1.001903]	ND	(54)	[1.084598]	ND	(55)	[1.107787]
Acetone	45 J	(110)	[1.102779]	30 J	(100)	[1.001903]	ND	(110)	[1.084598]	78 J	(110)	[1.107787]
Acrolein	ND	(83)	[1.102779]	ND	(75)	[1.001903]	ND	(81)	[1.084598]	ND	(83)	[1.107787]
Acrylonitrile	ND	(55)	[1.102779]	ND	(50)	[1.001903]	ND	(54)	[1.084598]	ND	(55)	[1.107787]
Benzene	ND	(5.5)	[1.102779]	2 J	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Bromodichloromethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Bromomethane	ND	(11)	[1.102779]	ND	(10)	[1.001903]	ND	(11)	[1.084598]	ND	(11)	[1.107787]
Carbon disulfide	ND	(5.5)	[1.102779]	1.8 J	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Carbon tetrachloride	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Chlorobenzene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Chloroethane	ND	(11)	[1.102779]	ND	(10)	[1.001903]	ND	(11)	[1.084598]	ND	(11)	[1.107787]
Chloroform	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Chloromethane	ND	(11)	[1.102779]	ND	(10)	[1.001903]	ND	(11)	[1.084598]	ND	(11)	[1.107787]
Dibromochloromethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Dibromomethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Dichlorodifluoromethane	ND	(22)	[1.102779]	ND	(20)	[1.001903]	ND	(22)	[1.084598]	ND	(22)	[1.107787]
Ethyl benzene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Ethyl methacrylate	ND	(17)	[1.102779]	ND	(15)	[1.001903]	ND	(16)	[1.084598]	ND	(17)	[1.107787]
Iodomethane	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Methyl ethyl ketone	ND	(110)	[1.102779]	7.1 J	(100)	[1.001903]	ND	(110)	[1.084598]	ND	(110)	[1.107787]
Methylene chloride	ND	(5.5)	[1.102779]	86	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Styrene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Tetrachloroethene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Toluene	1.1 J	(5.5)	[1.102779]	7.8 @	(5)	[1.001903]	ND	(5.4)	[1.084598]	1.2 J	(5.5)	[1.107787]
Tribromomethane(Bromoform)	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Trichloroethene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID											
	LOCATION ID											
	SAMPLE ID											
	BEG. DEPTH - END DEPTH (FT.)											
	NONE			NONE			NONE			NONE		
	17			17			18			18		
	CAN97-17-I			CAN97-17-S			CAN97-18-06			CAN97-18-I		
	4 - 6			0 - 2			5 - 7			4 - 6		
Trichlorofluoromethane	ND	(11)	[1.102779]	ND	(10)	[1.001903]	ND	(11)	[1.084598]	ND	(11)	[1.107787]
Vinyl acetate	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
Vinyl chloride	ND	(11)	[1.102779]	ND	(10)	[1.001903]	ND	(11)	[1.084598]	ND	(11)	[1.107787]
Xylenes	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
cis-1,3-Dichloropropene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
trans-1,2-Dichloroethene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
trans-1,3-Dichloropropene	ND	(5.5)	[1.102779]	ND	(5)	[1.001903]	ND	(5.4)	[1.084598]	ND	(5.5)	[1.107787]
trans-1,4-Dichloro-2-butene	ND	(11)	[1.102779]	ND	(10)	[1.001903]	ND	(11)	[1.084598]	ND	(11)	[1.107787]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
1,2,4-Trichlorobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
1,2-Dichlorobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
1,2-Diphenylhydrazine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
1,3-Dichlorobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
1,4-Dichlorobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
1-Chloronaphthalene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
1-Naphthylamine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2,3,4,6-Tetrachlorophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2,4,5-Trichlorophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2,4,6-Trichlorophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2,4-Dichlorophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2,4-Dimethylphenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2,4-Dinitrophenol	ND	(730)	[0.036637]	ND	(670)	[0.033396]	ND	(720)	[0.036033]	ND	(740)	[0.036795]
2,4-Dinitrotoluene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2,6-Dichlorophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2,6-Dinitrotoluene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2-Chloronaphthalene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2-Chlorophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2-Methylnaphthalene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 17 CAN97-17-I 4 - 6			NONE 17 CAN97-17-S 0 - 2			NONE 18 CAN97-18-06 5 - 7			NONE 18 CAN97-18-I 4 - 6		
2-Methylphenol(o-cresol)	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2-Naphthylamine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2-Nitroaniline	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2-Nitrophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
2-Picoline	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
3,3'-Dichlorobenzidine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
3-Methylcholanthrene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
3-Nitroaniline	ND	(730)	[0.036637]	ND	(670)	[0.033396]	ND	(720)	[0.036033]	ND	(740)	[0.036795]
4,6-Dinitro-2-methylphenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
4-Aminobiphenyl	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
4-Bromophenyl phenyl ether	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
4-Chloro-3-methylphenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
4-Chlorophenyl phenyl ether	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
4-Methylphenol(p-cresol)	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
4-Nitroaniline	ND	(730)	[0.036637]	ND	(670)	[0.033396]	ND	(720)	[0.036033]	ND	(740)	[0.036795]
4-Nitrophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
7,12-Dimethylbenz(a)anthracene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Acenaphthene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Acenaphthylene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Acetophenone	ND	(370)	[0.036637]	51 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Aniline	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Anthracene	ND	(370)	[0.036637]	11 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Benzidine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Benzo(a)anthracene	ND	(370)	[0.036637]	18 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Benzo(a)pyrene	ND	(370)	[0.036637]	180 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Benzo(b)fluoranthene	ND	(370)	[0.036637]	180 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Benzo(g,h,i)perylene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Benzo(k)fluoranthene	ND	(370)	[0.036637]	180 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Benzoic acid	ND	(1800)	[0.036637]	68 J	(1700)	[0.033396]	ND	(1800)	[0.036033]	ND	(1800)	[0.036795]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 17 CAN97-17-I 4 - 6			NONE 17 CAN97-17-S 0 - 2			NONE 18 CAN97-18-06 5 - 7			NONE 18 CAN97-18-I 4 - 6		
Benzyl alcohol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Butylbenzylphthalate	ND	(370)	[0.036637]	22 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Chrysene	ND	(370)	[0.036637]	120 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Di-n-octylphthalate	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Dibenz(a,h)anthracene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Dibenz(a,j)acridine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Dibenzofuran	ND	(370)	[0.036637]	13 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Dibutylphthalate	ND	(370)	[0.036637]	9.7 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Diethylphthalate	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Dimethylphenethylamine	ND	(4400)	[0.036637]	ND	(4000)	[0.033396]	ND	(4300)	[0.036033]	ND	(4400)	[0.036795]
Dimethylphthalate	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Diphenylamine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Ethyl methanesulfonate	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Fluoranthene	ND	(370)	[0.036637]	33 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Fluorene	ND	(370)	[0.036637]	7.4 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Hexachlorobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Hexachlorobutadiene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Hexachlorocyclopentadiene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Hexachloroethane	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Indeno(1,2,3-cd)pyrene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Isophorone	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Methyl methanesulfonate	ND	(1800)	[0.036637]	ND	(1700)	[0.033396]	ND	(1800)	[0.036033]	ND	(1800)	[0.036795]
N-Nitroso-di-n-butylamine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
N-Nitrosodimethylamine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
N-Nitrosodiphenylamine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
N-Nitrosodipropylamine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
N-Nitrosopiperidine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Naphthalene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Nitrobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 17 CAN97-17-I 4 - 6			NONE 17 CAN97-17-S 0 - 2			NONE 18 CAN97-18-06 5 - 7			NONE 18 CAN97-18-I 4 - 6		
Pentachlorobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Pentachloronitrobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Pentachlorophenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Phenacetin	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Phenanthrene	ND	(370)	[0.036637]	45 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Phenol	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Pronamide	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Pyrene	ND	(370)	[0.036637]	120 J	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Pyridine	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
Unknown	NA			330	(0)	[0.033396]	NA			370	(0)	[0.036795]
Unknown C15-Phenol	NA			500	(0)	[0.033396]	NA			NA		
Unknown aldehyde	NA			130	(0)	[0.033396]	NA			NA		
Unknown alkane	180	(0)	[0.036637]	300	(0)	[0.033396]	NA			NA		
Unknown carboxylic acid	NA			130	(0)	[0.033396]	NA			NA		
bis(2-Chloroethoxy)methane	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
bis(2-Chloroethyl)ether	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
bis(2-Chloroisopropyl)ether	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
bis(2-Ethylhexyl)phthalate	ND	(370)	[0.036637]	1300 @	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
p-Chloroaniline	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]
p-Dimethylaminoazobenzene	ND	(370)	[0.036637]	ND	(330)	[0.033396]	ND	(360)	[0.036033]	ND	(370)	[0.036795]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)												
Hydrocarbons	110 @	(25)	[4.957787]	56 @	(26)	[5.227938]	180	(26)	[5.248792]	400	(25)	[4.928400]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)												
Benzene (2)	ND	(30)	[99.6]	ND	(31)	[104]	NA			NA		
Diesel (2)	17000 GB@	(5300)	[106.3829]	100000 G@	(52000)	[1030.927]	NA			NA		
Ethylbenzene (2)	ND	(30)	[99.6]	ND	(31)	[104]	NA			NA		
Gasoline (2)	3000 J	(5000)	[99.6]	ND	(5200)	[104]	NA			NA		
Jet fuel (2)	ND	(11000)	[106.3829]	ND	(100000)	[1030.927]	NA			NA		
Kerosene (2)	ND	(11000)	[106.3829]	ND	(100000)	[1030.927]	NA			NA		
Toluene (2)	260 C	(30)	[99.6]	17 J	(31)	[104]	NA			NA		
Xylenes (total) (2)	15 J	(50)	[99.6]	52 C@	(52)	[104]	NA			NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)												
4,4'-DDD	ND	(3.4)	[335.3454]	0.31 J	(0.35)	[34.85292]	0.86 G@	(0.35)	[34.99195]	3.8 B@	(3.3)	[334.1129]
4,4'-DDE	4.8 @	(3.4)	[335.3454]	17	(0.35)	[34.85292]	5.9	(0.35)	[34.99195]	2.6 J	(3.3)	[334.1129]
4,4'-DDT	11 @	(6.7)	[335.3454]	8.5	(0.7)	[34.85292]	9.2	(0.7)	[34.99195]	8 @	(6.7)	[334.1129]
Aldrin	ND	(3.4)	[335.3454]	ND	(0.35)	[34.85292]	ND	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
Chlordane	ND	(17)	[335.3454]	17	(1.7)	[34.85292]	10	(1.7)	[34.99195]	ND	(17)	[334.1129]
Dieldrin	ND	(3.4)	[335.3454]	0.37 G@	(0.35)	[34.85292]	0.43 @	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
Endosulfan I	ND	(3.4)	[335.3454]	ND	(0.35)	[34.85292]	ND	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
Endosulfan II	ND	(10)	[335.3454]	ND	(1)	[34.85292]	ND	(1)	[34.99195]	ND	(10)	[334.1129]
Endosulfan Sulfate	1.6 J	(17)	[335.3454]	ND	(1.7)	[34.85292]	ND	(1.7)	[34.99195]	ND	(17)	[334.1129]
Endrin	ND	(3.4)	[335.3454]	ND	(0.35)	[34.85292]	ND	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
Endrin Aldehyde	ND	(6.7)	[335.3454]	ND	(0.7)	[34.85292]	ND	(0.7)	[34.99195]	ND	(6.7)	[334.1129]
Endrin Ketone	ND	(17)	[335.3454]	ND	(1.7)	[34.85292]	ND	(1.7)	[34.99195]	ND	(17)	[334.1129]
Heptachlor	ND	(3.4)	[335.3454]	ND	(0.35)	[34.85292]	ND	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
Heptachlor epoxide	ND	(3.4)	[335.3454]	ND	(0.35)	[34.85292]	ND	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
Methoxychlor	ND	(17)	[335.3454]	ND	(1.7)	[34.85292]	ND	(1.7)	[34.99195]	ND	(17)	[334.1129]
PCB-1016	ND	(34)	[335.3454]	ND	(3.5)	[34.85292]	ND	(3.5)	[34.99195]	ND	(33)	[334.1129]
PCB-1221	ND	(67)	[335.3454]	ND	(7)	[34.85292]	ND	(7)	[34.99195]	ND	(67)	[334.1129]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2		
PCB-1232	ND	(67)	[335.3454]	ND	(7)	[34.85292]	ND	(7)	[34.99195]	ND	(67)	[334.1129]
PCB-1242	ND	(34)	[335.3454]	ND	(3.5)	[34.85292]	ND	(3.5)	[34.99195]	ND	(33)	[334.1129]
PCB-1248	ND	(34)	[335.3454]	ND	(3.5)	[34.85292]	ND	(3.5)	[34.99195]	ND	(33)	[334.1129]
PCB-1254	ND	(67)	[335.3454]	ND	(7)	[34.85292]	ND	(7)	[34.99195]	ND	(67)	[334.1129]
PCB-1260	ND	(67)	[335.3454]	ND	(7)	[34.85292]	ND	(7)	[34.99195]	ND	(67)	[334.1129]
Toxaphene	ND	(170)	[335.3454]	ND	(17)	[34.85292]	ND	(17)	[34.99195]	ND	(170)	[334.1129]
alpha-BHC	ND	(3.4)	[335.3454]	ND	(0.35)	[34.85292]	ND	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
beta-BHC	ND	(3.4)	[335.3454]	ND	(0.35)	[34.85292]	ND	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
delta-BHC	ND	(3.4)	[335.3454]	ND	(0.35)	[34.85292]	ND	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
gamma-BHC	1.6 J	(3.4)	[335.3454]	0.34 J	(0.35)	[34.85292]	0.31 J	(0.35)	[34.99195]	ND	(3.3)	[334.1129]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	9.6 G@	(6.7)	[33.53]	ND	(7)	[34.85535]	NA			NA		
2,4,5-TP (Silvex)	17 G@	(5.7)	[33.53]	13 G@	(5.9)	[34.85535]	NA			NA		
2,4-D	8.2 J	(40)	[33.53]	ND	(42)	[34.85535]	NA			NA		
2,4-DB	ND	(31)	[33.53]	5.6 J	(32)	[34.85535]	NA			NA		
Dalapon	ND	(190)	[33.53]	ND	(200)	[34.85535]	NA			NA		
Dicamba	ND	(9.1)	[33.53]	ND	(9.4)	[34.85535]	NA			NA		
Dichloroprop	190 G	(22)	[33.53]	16 J	(23)	[34.85535]	NA			NA		
Dinoseb	ND	(5)	[33.53]	ND	(5.2)	[34.85535]	NA			NA		
MCPA	ND	(8300)	[33.53]	ND	(8700)	[34.85535]	NA			NA		
MCPP	ND	(6400)	[33.53]	ND	(6700)	[34.85535]	NA			NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
1,1,2,2-Tetrachloroethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
1,1,2-Trichloroethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
1,1-Dichloroethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
1,1-Dichloroethene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
1,2,3-Trichloropropane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
1,2-Dichloroethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2		
1,2-Dichloropropane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
2-Chloroethyl vinyl ether	ND	(10)	[1.005935]	ND	(10)	[1.045587]	ND	(10)	[1.049758]	ND	(10)	[1.003915]
2-Hexanone	ND	(50)	[1.005935]	ND	(52)	[1.045587]	ND	(52)	[1.049758]	ND	(50)	[1.003915]
4-Methyl-2-pentanone(MIBK)	ND	(50)	[1.005935]	ND	(52)	[1.045587]	ND	(52)	[1.049758]	ND	(50)	[1.003915]
Acetone	ND	(100)	[1.005935]	ND	(100)	[1.045587]	ND	(100)	[1.049758]	ND	(100)	[1.003915]
Acrolein	ND	(75)	[1.005935]	ND	(78)	[1.045587]	ND	(79)	[1.049758]	ND	(75)	[1.003915]
Acrylonitrile	ND	(50)	[1.005935]	ND	(52)	[1.045587]	ND	(52)	[1.049758]	ND	(50)	[1.003915]
Benzene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	2.7 J	(5)	[1.003915]
Bromodichloromethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Bromomethane	ND	(10)	[1.005935]	ND	(10)	[1.045587]	ND	(10)	[1.049758]	ND	(10)	[1.003915]
Carbon disulfide	ND	(5)	[1.005935]	3 J	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Carbon tetrachloride	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Chlorobenzene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Chloroethane	ND	(10)	[1.005935]	ND	(10)	[1.045587]	ND	(10)	[1.049758]	ND	(10)	[1.003915]
Chloroform	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Chloromethane	ND	(10)	[1.005935]	ND	(10)	[1.045587]	ND	(10)	[1.049758]	ND	(10)	[1.003915]
Dibromochloromethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Dibromomethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Dichlorodifluoromethane	ND	(20)	[1.005935]	ND	(21)	[1.045587]	ND	(21)	[1.049758]	ND	(20)	[1.003915]
Ethyl benzene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Ethyl methacrylate	ND	(15)	[1.005935]	ND	(16)	[1.045587]	ND	(16)	[1.049758]	ND	(15)	[1.003915]
Iodomethane	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Methyl ethyl ketone	ND	(100)	[1.005935]	ND	(100)	[1.045587]	ND	(100)	[1.049758]	ND	(100)	[1.003915]
Methylene chloride	6.6 @	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	43	(5)	[1.003915]
Styrene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Tetrachloroethene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Toluene	25	(5)	[1.005935]	ND	(5.2)	[1.045587]	0.79 J	(5.2)	[1.049758]	21 @	(5)	[1.003915]
Tribromomethane(Bromoform)	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Trichloroethene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2		
Trichlorofluoromethane	ND	(10)	[1.005935]	ND	(10)	[1.045587]	ND	(10)	[1.049758]	ND	(10)	[1.003915]
Vinyl acetate	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
Vinyl chloride	ND	(10)	[1.005935]	ND	(10)	[1.045587]	ND	(10)	[1.049758]	ND	(10)	[1.003915]
Xylenes	1.4 J	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
cis-1,3-Dichloropropene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
trans-1,2-Dichloroethene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
trans-1,3-Dichloropropene	ND	(5)	[1.005935]	ND	(5.2)	[1.045587]	ND	(5.2)	[1.049758]	ND	(5)	[1.003915]
trans-1,4-Dichloro-2-butene	ND	(10)	[1.005935]	ND	(10)	[1.045587]	ND	(10)	[1.049758]	ND	(10)	[1.003915]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
1,2,4-Trichlorobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
1,2-Dichlorobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
1,2-Diphenylhydrazine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
1,3-Dichlorobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
1,4-Dichlorobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
1-Chloronaphthalene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
1-Naphthylamine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2,3,4,6-Tetrachlorophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2,4,5-Trichlorophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2,4,6-Trichlorophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2,4-Dichlorophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2,4-Dimethylphenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2,4-Dinitrophenol	ND	(670)	[0.033531]	ND	(690)	[0.034737]	ND	(700)	[0.034933]	ND	(670)	[0.033463]
2,4-Dinitrotoluene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2,6-Dichlorophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2,6-Dinitrotoluene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2-Chloronaphthalene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2-Chlorophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
2-Methylnaphthalene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2					
2-Methylphenol(o-cresol)	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
2-Naphthylamine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.023463]			
2-Nitroaniline	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
2-Nitrophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
2-Picoline	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
3,3'-Dichlorobenzidine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
3-Methylcholanthrene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
3-Nitroaniline	ND	(670)	[0.033531]	ND	(690)	[0.034737]	ND	(700)	[0.034933]	ND	(670)	[0.033463]			
4,6-Dinitro-2-methylphenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
4-Aminobiphenyl	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
4-Bromophenyl phenyl ether	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
4-Chloro-3-methylphenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
4-Chlorophenyl phenyl ether	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
4-Methylphenol(p-cresol)	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
4-Nitroaniline	ND	(670)	[0.033531]	ND	(690)	[0.034737]	ND	(700)	[0.034933]	ND	(670)	[0.033463]			
4-Nitrophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
7,12-Dimethylbenz(a)anthracene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
Acenaphthene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
Acenaphthylene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
Acetophenone	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	23 JB	(330)	[0.033463]			
Aniline	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
Anthracene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	21 J	(350)	[0.034933]	ND	(330)	[0.033463]			
Benzidine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]			
Benzo(a)anthracene	ND	(340)	[0.033531]	43 J	(350)	[0.034737]	120 J	(350)	[0.034933]	27 J	(330)	[0.033463]			
Benzo(a)pyrene	ND	(340)	[0.033531]	37 J	(350)	[0.034737]	100 J	(350)	[0.034933]	30 J	(330)	[0.033463]			
Benzo(b)fluoranthene	ND	(340)	[0.033531]	77 JX	(350)	[0.034737]	210 JX	(350)	[0.034933]	52 JX	(330)	[0.033463]			
Benzo(g,h,i)perylene	ND	(340)	[0.033531]	22 J	(350)	[0.034737]	51 J	(350)	[0.034933]	19 J	(330)	[0.033463]			
Benzo(k)fluoranthene	ND	(340)	[0.033531]	77 JX	(350)	[0.034737]	210 JX	(350)	[0.034933]	52 JX	(330)	[0.033463]			
Benzoic acid	ND	(1700)	[0.033531]	ND	(1700)	[0.034737]	ND	(1700)	[0.034933]	ND	(1700)	[0.033463]			

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2		
Benzyl alcohol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Butylbenzylphthalate	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Chrysene	ND	(340)	[0.033531]	41 J	(350)	[0.034737]	120 J	(350)	[0.034933]	31 J	(330)	[0.033463]
Di-n-octylphthalate	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Dibenz(a,h)anthracene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	19 J	(350)	[0.034933]	ND	(330)	[0.033463]
Dibenz(a,j)acridine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Dibenzofuran	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Dibutylphthalate	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Diethylphthalate	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Dimethylphenethylamine	ND	(4000)	[0.033531]	ND	(4200)	[0.034737]	ND	(4200)	[0.034933]	ND	(4000)	[0.033463]
Dimethylphthalate	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Diphenylamine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Ethyl methanesulfonate	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Fluoranthene	ND	(340)	[0.033531]	74 J	(350)	[0.034737]	240 J	(350)	[0.034933]	52 J	(330)	[0.033463]
Fluorene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Hexachlorobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Hexachlorobutadiene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Hexachlorocyclopentadiene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Hexachloroethane	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Indeno(1,2,3-cd)pyrene	ND	(340)	[0.033531]	24 J	(350)	[0.034737]	46 J	(350)	[0.034933]	16 J	(330)	[0.033463]
Isophorone	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Methyl methanesulfonate	ND	(1700)	[0.033531]	ND	(1700)	[0.034737]	ND	(1700)	[0.034933]	ND	(1700)	[0.033463]
N-Nitroso-di-n-butylamine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
N-Nitrosodimethylamine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
N-Nitrosodiphenylamine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
N-Nitrosodipropylamine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
N-Nitrosopiperidine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Naphthalene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Nitrobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2		
Pentachlorobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Pentachloronitrobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Pentachlorophenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Phenacetin	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Phenanthrene	ND	(340)	[0.033531]	36 J	(350)	[0.034737]	87 J	(350)	[0.034933]	39 J	(330)	[0.033463]
Phenol	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Pronamide	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Pyrene	ND	(340)	[0.033531]	69 J	(350)	[0.034737]	180 J	(350)	[0.034933]	44 J	(330)	[0.033463]
Pyridine	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
Unknown	770	(0)	[0.033531]	380	(0)	[0.034737]	280	(0)	[0.034933]	130	(0)	[0.033463]
Unknown B	NA			NA			NA			270	(0)	[0.033463]
Unknown aldehyde	1400	(0)	[0.033531]	NA			280	(0)	[0.034933]	NA		
Unknown alkane	570	(0)	[0.033531]	170	(0)	[0.034737]	240	(0)	[0.034933]	230	(0)	[0.033463]
Unknown carboxylic acid	170	(0)	[0.033531]	NA			170	(0)	[0.034933]	NA		
Unknown sterol	1100	(0)	[0.033531]	NA			NA			NA		
bis(2-Chloroethoxy)methane	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
bis(2-Chloroethyl)ether	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
bis(2-Chloroisopropyl)ether	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
bis(2-Ethylhexyl)phthalate	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	48 JB	(330)	[0.033463]
p-Chloroaniline	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]
p-Dimethylaminoazobenzene	ND	(340)	[0.033531]	ND	(350)	[0.034737]	ND	(350)	[0.034933]	ND	(330)	[0.033463]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 19 CAN97-19-99 Dup of CAN97-19-S 0 - 2				NONE 20 CAN97-20-06 7 - 9				NONE 20 CAN97-20-I 4 - 6				NONE 20 CAN97-20-S 0 - 2		
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)															
Hydrocarbons	340		(25)	[4.933472]	6.4 @		(27)	[5.309127]	33 @		(27)	[5.424669]	610		(25) [5.003432]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)															
Benzene (2)	NA				NA				ND		(32)	[107]	NA		
Diesel (2)	NA				NA				19000 GB@		(5000)	[100]	NA		
Ethylbenzene (2)	NA				NA				ND		(32)	[107]	NA		
Gasoline (2)	NA				NA				ND		(5400)	[107]	NA		
Jet fuel (2)	NA				NA				ND		(10000)	[100]	NA		
Kerosene (2)	NA				NA				ND		(10000)	[100]	NA		
Toluene (2)	NA				NA				ND		(32)	[107]	NA		
Xylenes (total) (2)	NA				NA				ND		(54)	[107]	NA		
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)															
4,4'-DDD	4.2 B@		(3.4)	[335.1206]	ND		(0.36)	[35.67606]	ND		(0.36)	[36.39010]	9.9	B@	(3.4) [339.9048]
4,4'-DDE	3.5 @		(3.4)	[335.1206]	ND		(0.36)	[35.67606]	ND		(0.36)	[36.39010]	1.6	J	(3.4) [339.9048]
4,4'-DDT	10 @		(6.7)	[335.1206]	ND		(0.71)	[35.67606]	1.1 @		(0.73)	[36.39010]	ND		(6.8) [339.9048]
Aldrin	ND		(3.4)	[335.1206]	ND		(0.36)	[35.67606]	ND		(0.36)	[36.39010]	ND		(3.4) [339.9048]
Chlordane	ND		(17)	[335.1206]	ND		(1.8)	[35.67606]	ND		(1.8)	[36.39010]	ND		(17) [339.9048]
Dieldrin	ND		(3.4)	[335.1206]	ND		(0.36)	[35.67606]	ND		(0.36)	[36.39010]	ND		(3.4) [339.9048]
Endosulfan I	ND		(3.4)	[335.1206]	ND		(0.36)	[35.67606]	ND		(0.36)	[36.39010]	ND		(3.4) [339.9048]
Endosulfan II	ND		(10)	[335.1206]	ND		(1.1)	[35.67606]	ND		(1.1)	[36.39010]	ND		(10) [339.9048]
Endosulfan Sulfate	ND		(17)	[335.1206]	ND		(1.8)	[35.67606]	ND		(1.8)	[36.39010]	38	G@	(17) [339.9048]
Endrin	ND		(3.4)	[335.1206]	ND		(0.36)	[35.67606]	ND		(0.36)	[36.39010]	ND		(3.4) [339.9048]
Endrin Aldehyde	ND		(6.7)	[335.1206]	ND		(0.71)	[35.67606]	ND		(0.73)	[36.39010]	ND		(6.8) [339.9048]
Endrin Ketone	ND		(17)	[335.1206]	ND		(1.8)	[35.67606]	ND		(1.8)	[36.39010]	ND		(17) [339.9048]
Heptachlor	ND		(3.4)	[335.1206]	ND		(0.36)	[35.67606]	ND		(0.36)	[36.39010]	ND		(3.4) [339.9048]
Heptachlor epoxide	ND		(3.4)	[335.1206]	0.041 J		(0.36)	[35.67606]	ND		(0.36)	[36.39010]	ND		(3.4) [339.9048]
Methoxychlor	ND		(17)	[335.1206]	ND		(1.8)	[35.67606]	ND		(1.8)	[36.39010]	ND		(17) [339.9048]
PCB-1016	ND		(34)	[335.1206]	ND		(3.6)	[35.67606]	ND		(3.6)	[36.39010]	ND		(34) [339.9048]
PCB-1221	ND		(67)	[335.1206]	ND		(7.1)	[35.67606]	ND		(7.3)	[36.39010]	ND		(68) [339.9048]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 19 CAN97-19-99 Dup of CAN97-19-S 0 - 2			NONE 20 CAN97-20-06 7 - 9			NONE 20 CAN97-20-I 4 - 6			NONE 20 CAN97-20-S 0 - 2		
PCB-1232	ND	(67)	[335.1206]	ND	(7.1)	[35.67606]	ND	(7.3)	[36.39010]	ND	(68)	[339.9048]
PCB-1242	ND	(34)	[335.1206]	ND	(3.6)	[35.67606]	ND	(3.6)	[36.39010]	ND	(34)	[339.9048]
PCB-1248	ND	(34)	[335.1206]	ND	(3.6)	[35.67606]	ND	(3.6)	[36.39010]	ND	(34)	[339.9048]
PCB-1254	ND	(67)	[335.1206]	ND	(7.1)	[35.67606]	ND	(7.3)	[36.39010]	ND	(68)	[339.9048]
PCB-1260	ND	(67)	[335.1206]	ND	(7.1)	[35.67606]	ND	(7.3)	[36.39010]	ND	(68)	[339.9048]
Toxaphene	ND	(170)	[335.1206]	ND	(18)	[35.67606]	ND	(18)	[36.39010]	ND	(170)	[339.9048]
alpha-BHC	ND	(3.4)	[335.1206]	ND	(0.36)	[35.67606]	ND	(0.36)	[36.39010]	ND	(3.4)	[339.9048]
beta-BHC	ND	(3.4)	[335.1206]	ND	(0.36)	[35.67606]	ND	(0.36)	[36.39010]	ND	(3.4)	[339.9048]
delta-BHC	ND	(3.4)	[335.1206]	ND	(0.36)	[35.67606]	ND	(0.36)	[36.39010]	ND	(3.4)	[339.9048]
gamma-BHC	ND	(3.4)	[335.1206]	ND	(0.36)	[35.67606]	ND	(0.36)	[36.39010]	ND	(3.4)	[339.9048]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			ND	(7.3)	[36.45643]	NA		
2,4,5-TP (Silvex)	NA			NA			4.5 J	(6.2)	[36.45643]	NA		
2,4-D	NA			NA			ND	(44)	[36.45643]	NA		
2,4-DB	NA			NA			4.8 J	(33)	[36.45643]	NA		
Dalapon	NA			NA			ND	(210)	[36.45643]	NA		
Dicamba	NA			NA			ND	(9.8)	[36.45643]	NA		
Dichloroprop	NA			NA			ND	(24)	[36.45643]	NA		
Dinoseb	NA			NA			ND	(5.5)	[36.45643]	NA		
MCPA	NA			NA			ND	(9100)	[36.45643]	NA		
MCPP	NA			NA			ND	(7000)	[36.45643]	NA		
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
1,1,2,2-Tetrachloroethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
1,1,2-Trichloroethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
1,1-Dichloroethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
1,1-Dichloroethene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
1,2,3-Trichloropropane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
1,2-Dichloroethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 19 CAN97-19-99 Dup of CAN97-19-S 0 - 2			NONE 20 CAN97-20-06 7 - 9			NONE 20 CAN97-20-I 4 - 6			NONE 20 CAN97-20-S 0 - 2		
1,2-Dichloropropane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
2-Chloroethyl vinyl ether	ND	(10)	[1.005935]	ND	(11)	[1.07032]	ND	(11)	[1.093613]	ND	(10)	[1.020199]
2-Hexanone	ND	(50)	[1.005935]	ND	(54)	[1.07032]	ND	(55)	[1.093613]	ND	(51)	[1.020199]
4-Methyl-2-pentanone(MIBK)	ND	(50)	[1.005935]	ND	(54)	[1.07032]	ND	(55)	[1.093613]	ND	(51)	[1.020199]
Acetone	16 J	(100)	[1.005935]	ND	(110)	[1.07032]	ND	(110)	[1.093613]	31 J	(100)	[1.020199]
Acrolein	ND	(75)	[1.005935]	ND	(80)	[1.07032]	ND	(82)	[1.093613]	ND	(77)	[1.020199]
Acrylonitrile	ND	(50)	[1.005935]	ND	(54)	[1.07032]	ND	(55)	[1.093613]	ND	(51)	[1.020199]
Benzene	3.1 J	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	2.8 J	(5.1)	[1.020199]
Bromodichloromethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Bromomethane	ND	(10)	[1.005935]	ND	(11)	[1.07032]	ND	(11)	[1.093613]	ND	(10)	[1.020199]
Carbon disulfide	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	4.5 J	(5.1)	[1.020199]
Carbon tetrachloride	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Chlorobenzene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Chloroethane	ND	(10)	[1.005935]	ND	(11)	[1.07032]	ND	(11)	[1.093613]	ND	(10)	[1.020199]
Chloroform	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Chloromethane	ND	(10)	[1.005935]	ND	(11)	[1.07032]	ND	(11)	[1.093613]	ND	(10)	[1.020199]
Dibromochloromethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Dibromomethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Dichlorodifluoromethane	ND	(20)	[1.005935]	ND	(21)	[1.07032]	ND	(22)	[1.093613]	ND	(20)	[1.020199]
Ethyl benzene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Ethyl methacrylate	ND	(15)	[1.005935]	ND	(16)	[1.07032]	ND	(16)	[1.093613]	ND	(15)	[1.020199]
Iodomethane	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Methyl ethyl ketone	ND	(100)	[1.005935]	ND	(110)	[1.07032]	ND	(110)	[1.093613]	ND	(100)	[1.020199]
Methylene chloride	36	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Styrene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Tetrachloroethene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Toluene	44	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	100	(5.1)	[1.020199]
Tribromomethane(Bromoform)	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Trichloroethene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)								
	NONE 19 CAN97-19-99 Dup of CAN97-19-S 0 - 2			NONE 20 CAN97-2C-06 7 - 9			NONE 20 CAN97-20-I 4 - 6			NONE 20 CAN97-20-S 0 - 2		
Trichlorofluoromethane	ND	(10)	[1.005935]	ND	(11)	[1.07032]	ND	(11)	[1.093613]	ND	(10)	[1.020199]
Unknown	24	()	[1.005935]	NA			NA			26	()	[1.020199]
Vinyl acetate	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
Vinyl chloride	ND	(10)	[1.005935]	ND	(11)	[1.07032]	ND	(11)	[1.093613]	ND	(10)	[1.020199]
Xylenes	3.1 J	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
cis-1,3-Dichloropropene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
trans-1,2-Dichloroethene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
trans-1,3-Dichloropropene	ND	(5)	[1.005935]	ND	(5.4)	[1.07032]	ND	(5.5)	[1.093613]	ND	(5.1)	[1.020199]
trans-1,4-Dichloro-2-butene	ND	(10)	[1.005935]	ND	(11)	[1.07032]	ND	(11)	[1.093613]	ND	(10)	[1.020199]
SW8270 - Semivolatile Organics (ug/kg)												
1,2,4,5-Tetrachlorobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
1,2,4-Trichlorobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
1,2-Dichlorobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
1,2-Diphenylhydrazine	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
1,3-Dichlorobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
1,4-Dichlorobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
1-Chloronaphthalene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
1-Naphthylamine	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2,3,4,6-Tetrachlorophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2,4,5-Trichlorophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2,4,6-Trichlorophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2,4-Dichlorophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2,4-Dimethylphenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2,4-Dinitrophenol	ND	(670)	[0.033531]	ND	(710)	[0.035677]	ND	(730)	[0.036453]	ND	(680)	[0.034006]
2,4-Dinitrotoluene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2,6-Dichlorophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2,6-Dinitrotoluene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2-Chloronaphthalene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2-Chlorophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 19 CAN97-19-99 Dup of CAN97-19-S 0 - 2			NONE 20 CAN97-20-06 7 - 9			NONE 20 CAN97-20-I 4 - 6			NONE 20 CAN97-20-S 0 - 2		
2-Methylnaphthalene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2-Methylphenol(o-cresol)	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2-Naphthylamine	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2-Nitroaniline	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2-Nitrophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
2-Picoline	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
3,3'-Dichlorobenzidine	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
3-Methylcholanthrene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
3-Nitroaniline	ND	(670)	[0.033531]	ND	(710)	[0.035677]	ND	(730)	[0.036453]	ND	(680)	[0.034006]
4,6-Dinitro-2-methylphenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
4-Aminobiphenyl	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
4-Bromophenyl phenyl ether	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
4-Chloro-3-methylphenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
4-Chlorophenyl phenyl ether	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
4-Methylphenol(p-cresol)	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
4-Nitroaniline	ND	(670)	[0.033531]	ND	(710)	[0.035677]	ND	(730)	[0.036453]	ND	(680)	[0.034006]
4-Nitrophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
7,12-Dimethylbenz(a)anthracene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Acenaphthene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Acenaphthylene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Acetophenone	24 JB	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Aniline	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Anthracene	30 J	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	8.7 J	(340)	[0.034006]
Benzidine	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Benzo(a)anthracene	150 J	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	71 J	(340)	[0.034006]
Benzo(a)pyrene	130 J	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	98 J	(340)	[0.034006]
Benzo(b)fluoranthene	150 J	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	190 JX	(340)	[0.034006]
Benzo(g,h,i)perylene	45 J	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	58 J	(340)	[0.034006]
Benzo(k)fluoranthene	120 J	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	190 JX	(340)	[0.034006]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)												
	NONE 19 CAN97-19-99 Dup of CAN97-19-S 0 - 2				NONE 20 CAN97-20-06 7 - 9				NONE 20 CAN97-20-I 4 - 6				NONE 20 CAN97-20-S 0 - 2			
Benzoic acid	ND		(1700)	[0.033531]	ND		(1800)	[0.035677]	ND		(1800)	[0.036453]	ND		(1700)	[0.034006]
Benzyl alcohol	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Butylbenzylphthalate	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Chrysene	150	J	(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	82	J	(340)	[0.034006]
Di-n-octylphthalate	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Dibenz(a,h)anthracene	15	J	(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	19	J	(340)	[0.034006]
Dibenz(a,j)acridine	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Dibenzofuran	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Dibutylphthalate	8.1	J	(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Diethylphthalate	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Dimethylphenethylamine	ND		(4000)	[0.033531]	ND		(4300)	[0.035677]	ND		(4400)	[0.036453]	ND		(4100)	[0.034006]
Dimethylphthalate	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Diphenylamine	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Ethyl methanesulfonate	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Fluoranthene	330	J	(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	120	J	(340)	[0.034006]
Fluorene	6.7	J	(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Hexachlorobenzene	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Hexachlorobutadiene	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Hexachlorocyclopentadiene	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Hexachloroethane	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Indeno(1,2,3-cd)pyrene	48	J	(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	52	J	(340)	[0.034006]
Isophorone	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Methyl methanesulfonate	ND		(1700)	[0.033531]	ND		(1800)	[0.035677]	ND		(1800)	[0.036453]	ND		(1700)	[0.034006]
N-Nitroso-di-n-butylamine	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
N-Nitrosodimethylamine	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
N-Nitrosodiphenylamine	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
N-Nitrosodipropylamine	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
N-Nitrosopiperidine	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]
Naphthalene	ND		(340)	[0.033531]	ND		(360)	[0.035677]	ND		(360)	[0.036453]	ND		(340)	[0.034006]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 19 CAN97-19-99 Dup of CAN97-19-S 0 - 2			NONE 20 CAN97-20-06 7 - 9			NONE 20 CAN97-20-I 4 - 6			NONE 20 CAN97-20-S 0 - 2		
Nitrobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Pentachlorobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Pentachloronitrobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Pentachlorophenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Phenacetin	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Phenanthrene	160 J	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	53 J	(340)	[0.034006]
Phenol	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Pronamide	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Pyrene	250 J	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	94 J	(340)	[0.034006]
Pyridine	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
Unknown	300	(0)	[0.033531]	140	(0)	[0.035677]	180	(0)	[0.036453]	200	(0)	[0.034006]
Unknown B	270	(0)	[0.033531]	NA			NA			NA		
Unknown C20-PNA	170	(0)	[0.033531]	NA			NA			NA		
Unknown alkane	270	(0)	[0.033531]	NA			330	(0)	[0.036453]	310	(0)	[0.034006]
Unknown oxirane	700	(0)	[0.033531]	NA			NA			510	(0)	[0.034006]
Unknown sterol	NA			NA			NA			410	(0)	[0.034006]
bis(2-Chloroethoxy)methane	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
bis(2-Chloroethyl)ether	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
bis(2-Chloroisopropyl)ether	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
bis(2-Ethylhexyl)phthalate	26 JB	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	20 JB	(340)	[0.034006]
p-Chloroaniline	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]
p-Dimethylaminoazobenzene	ND	(340)	[0.033531]	ND	(360)	[0.035677]	ND	(360)	[0.036453]	ND	(340)	[0.034006]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 21 CAN97-21-06 5 - 7				NONE 21 CAN97-21-99 Dup of CAN97-21-06 5 - 7				NONE 21 CAN97-21-I 4 - 6				NONE 21 CAN97-21-S 0 - 2			
EPA 418.1 - Total Recoverable Petroleum Hydrocarbons (mg/kg)																
Hydrocarbons	11 @	(26)	[5.227938]		11 @	(26)	[5.240540]		14 @	(26)	[5.250446]		25 @	(25)	[4.979640]
SW8015 - Total Petroleum Hydrocarbons (ug/kg)															
Benzene (2)	NA				NA				NA				93 C@	(29)	[97.3]
Diesel (2)	NA				NA				NA				33000 GB	(5100)	[102.0408]
Ethylbenzene (2)	NA				NA				NA				ND	(29)	[97.3]
Gasoline (2)	NA				NA				NA				5400 G@	(4900)	[97.3]
Jet fuel (2)	NA				NA				NA				ND	(10000)	[102.0408]
Kerosene (2)	NA				NA				NA				ND	(10000)	[102.0408]
Toluene (2)	NA				NA				NA				ND	(29)	[97.3]
Xylenes (total) (2)	NA				NA				NA				ND	(49)	[97.3]
SW8080 - Organochlorine Pesticides and PCBs (ug/kg)															
4,4'-DDD	ND	(0.35)	[34.85292]		ND	(0.35)	[34.9406]		ND	(0.35)	[35.00297]		ND	(3.3)	[333.667]
4,4'-DDE	ND	(0.35)	[34.85292]		0.42 G@	(0.35)	[34.9406]		0.48 @	(0.35)	[35.00297]		0.76 J	(3.3)	[333.667]
4,4'-DDT	ND	(0.7)	[34.85292]		ND	(0.7)	[34.9406]		ND	(0.7)	[35.00297]		ND	(6.7)	[333.667]
Aldrin	ND	(0.35)	[34.85292]		ND	(0.35)	[34.9406]		0.27 J	(0.35)	[35.00297]		ND	(3.3)	[333.667]
Chlordane	ND	(1.7)	[34.85292]		ND	(1.7)	[34.9406]		ND	(1.8)	[35.00297]		ND	(17)	[333.667]
Dieldrin	ND	(0.35)	[34.85292]		ND	(0.35)	[34.9406]		ND	(0.35)	[35.00297]		ND	(3.3)	[333.667]
Endosulfan I	ND	(0.35)	[34.85292]		ND	(0.35)	[34.9406]		ND	(0.35)	[35.00297]		ND	(3.3)	[333.667]
Endosulfan II	ND	(1)	[34.85292]		ND	(1)	[34.9406]		ND	(1.1)	[35.00297]		ND	(10)	[333.667]
Endosulfan Sulfate	ND	(1.7)	[34.85292]		ND	(1.7)	[34.9406]		ND	(1.8)	[35.00297]		ND	(17)	[333.667]
Endrin	ND	(0.35)	[34.85292]		ND	(0.35)	[34.9406]		ND	(0.35)	[35.00297]		ND	(3.3)	[333.667]
Endrin Aldehyde	ND	(0.7)	[34.85292]		ND	(0.7)	[34.9406]		ND	(0.7)	[35.00297]		ND	(6.7)	[333.667]
Endrin Ketone	ND	(1.7)	[34.85292]		ND	(1.7)	[34.9406]		ND	(1.8)	[35.00297]		ND	(17)	[333.667]
Heptachlor	ND	(0.35)	[34.85292]		ND	(0.35)	[34.9406]		ND	(0.35)	[35.00297]		5.9 G@	(3.3)	[333.667]
Heptachlor epoxide	ND	(0.35)	[34.85292]		ND	(0.35)	[34.9406]		ND	(0.35)	[35.00297]		ND	(3.3)	[333.667]
Methoxychlor	ND	(1.7)	[34.85292]		ND	(1.7)	[34.9406]		ND	(1.8)	[35.00297]		ND	(17)	[333.667]
PCB-1016	ND	(3.5)	[34.85292]		ND	(3.5)	[34.9406]		ND	(3.5)	[35.00297]		ND	(33)	[333.667]
PCB-1221	ND	(7)	[34.85292]		ND	(7)	[34.9406]		ND	(7)	[35.00297]		ND	(67)	[333.667]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 21 CAN97-21-06 5 - 7			NONE 21 CAN97-21-99 Dup of CAN97-21-06 5 - 7			NONE 21 CAN97-21-I 4 - 6			NONE 21 CAN97-21-S 0 - 2		
PCB-1232	ND	(7)	[34.85292]	ND	(7)	[34.9406]	ND	(7)	[35.00297]	ND	(67)	[333.667]
PCB-1242	ND	(3.5)	[34.85292]	ND	(3.5)	[34.9406]	ND	(3.5)	[35.00297]	ND	(33)	[333.667]
PCB-1248	ND	(3.5)	[34.85292]	ND	(3.5)	[34.9406]	ND	(3.5)	[35.00297]	ND	(33)	[333.667]
PCB-1254	ND	(7)	[34.85292]	ND	(7)	[34.9406]	ND	(7)	[35.00297]	ND	(67)	[333.667]
PCB-1260	ND	(7)	[34.85292]	ND	(7)	[34.9406]	ND	(7)	[35.00297]	ND	(67)	[333.667]
Toxaphene	ND	(17)	[34.85292]	ND	(17)	[34.9406]	ND	(18)	[35.00297]	ND	(170)	[333.667]
alpha-BHC	ND	(0.35)	[34.85292]	ND	(0.35)	[34.9406]	ND	(0.35)	[35.00297]	ND	(3.3)	[333.667]
beta-BHC	ND	(0.35)	[34.85292]	ND	(0.35)	[34.9406]	ND	(0.35)	[35.00297]	ND	(3.3)	[333.667]
delta-BHC	ND	(0.35)	[34.85292]	ND	(0.35)	[34.9406]	ND	(0.35)	[35.00297]	ND	(3.3)	[333.667]
gamma-BHC	ND	(0.35)	[34.85292]	ND	(0.35)	[34.9406]	ND	(0.35)	[35.00297]	ND	(3.3)	[333.667]
SW8150 - Chlorinated Herbicides (ug/kg)												
2,4,5-T	NA			NA			NA			3.7 J	(6.7)	[33.40]
2,4,5-TP (Silvex)	NA			NA			NA			ND	(5.7)	[33.40]
2,4-D	NA			NA			NA			ND	(40)	[33.40]
2,4-DB	NA			NA			NA			12 J	(30)	[33.40]
Dalapon	NA			NA			NA			ND	(190)	[33.40]
Dicamba	NA			NA			NA			ND	(9)	[33.40]
Dichloroprop	NA			NA			NA			ND	(22)	[33.40]
Dinoseb	NA			NA			NA			ND	(5)	[33.40]
MCPA	NA			NA			NA			ND	(8300)	[33.40]
MCPP	NA			NA			NA			ND	(6400)	[33.40]
SW8240 - Volatile Organics (ug/kg)												
1,1,1-Trichloroethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
1,1,2,2-Tetrachloroethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
1,1,2-Trichloroethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
1,1-Dichloroethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
1,1-Dichloroethene	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
1,2,3-Trichloropropane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
1,2-Dichloroethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 21 CAN97-21-06 5 - 7			NONE 21 CAN97-21-99 Dup of CAN97-21-06 5 - 7			NONE 21 CAN97-21-I 4 - 6			NONE 21 CAN97-21-S 0 - 2		
1,2-Dichloropropane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
2-Chloroethyl vinyl ether	ND	(10)	[1.045587]	ND	(10)	[1.048108]	ND	(11)	[1.050089]	ND	(10)	[1.001903]
2-Hexanone	ND	(52)	[1.045587]	ND	(52)	[1.048108]	ND	(53)	[1.050089]	ND	(50)	[1.001903]
4-Methyl-2-pentanone(MIBK)	ND	(52)	[1.045587]	ND	(52)	[1.048108]	ND	(53)	[1.050089]	ND	(50)	[1.001903]
Acetone	ND	(100)	[1.045587]	ND	(100)	[1.048108]	ND	(110)	[1.050089]	ND	(100)	[1.001903]
Acrolein	ND	(78)	[1.045587]	ND	(79)	[1.048108]	ND	(79)	[1.050089]	ND	(75)	[1.001903]
Acrylonitrile	ND	(52)	[1.045587]	ND	(52)	[1.048108]	ND	(53)	[1.050089]	ND	(50)	[1.001903]
Benzene	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	8.2 @	(5)	[1.001903]
Bromodichloromethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Bromomethane	ND	(10)	[1.045587]	ND	(10)	[1.048108]	ND	(11)	[1.050089]	ND	(10)	[1.001903]
Carbon disulfide	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Carbon tetrachloride	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Chlorobenzene	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Chloroethane	ND	(10)	[1.045587]	ND	(10)	[1.048108]	ND	(11)	[1.050089]	ND	(10)	[1.001903]
Chloroform	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Chloromethane	ND	(10)	[1.045587]	ND	(10)	[1.048108]	ND	(11)	[1.050089]	ND	(10)	[1.001903]
Dibromochloromethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Dibromomethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Dichlorodifluoromethane	ND	(21)	[1.045587]	ND	(21)	[1.048108]	ND	(21)	[1.050089]	ND	(20)	[1.001903]
Ethyl benzene	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	4.9 J	(5)	[1.001903]
Ethyl methacrylate	ND	(16)	[1.045587]	ND	(16)	[1.048108]	ND	(16)	[1.050089]	ND	(15)	[1.001903]
Iodomethane	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Methyl ethyl ketone	ND	(100)	[1.045587]	ND	(100)	[1.048108]	ND	(110)	[1.050089]	ND	(100)	[1.001903]
Methylene chloride	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	74	(5)	[1.001903]
Styrene	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Tetrachloroethene	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Toluene	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	220	(5)	[1.001903]
Tribromomethane(Bromoform)	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]
Trichloroethene	ND	(5.2)	[1.045587]	ND	(5.2)	[1.048108]	ND	(5.3)	[1.050089]	ND	(5)	[1.001903]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)								
	NONE	21	CAN97-21-06	5 - 7	NONE	21	CAN97-21-99 Dup of CAN97-21-06	5 - 7	NONE	21	CAN97-21-I	4 - 6	NONE	21	CAN97-21-S	0 - 2
Trichlorofluoromethane	ND	(10)	[1.045587]		ND	(10)	[1.048108]		ND	(11)	[1.050089]		ND	(10)	[1.001903]	
Unknown	NA				NA				NA				21	()	[1.001903]	
Unknown C10H16	NA				NA				NA				17	()	[1.001903]	
Vinyl acetate	ND	(5.2)	[1.045587]		ND	(5.2)	[1.048108]		ND	(5.3)	[1.050089]		ND	(5)	[1.001903]	
Vinyl chloride	ND	(10)	[1.045587]		ND	(10)	[1.048108]		ND	(11)	[1.050089]		ND	(10)	[1.001903]	
Xylenes	ND	(5.2)	[1.045587]		ND	(5.2)	[1.048108]		ND	(5.3)	[1.050089]		25	(5)	[1.001903]	
cis-1,3-Dichloropropene	ND	(5.2)	[1.045587]		ND	(5.2)	[1.048108]		ND	(5.3)	[1.050089]		ND	(5)	[1.001903]	
trans-1,2-Dichloroethene	ND	(5.2)	[1.045587]		ND	(5.2)	[1.048108]		ND	(5.3)	[1.050089]		ND	(5)	[1.001903]	
trans-1,3-Dichloropropene	ND	(5.2)	[1.045587]		ND	(5.2)	[1.048108]		ND	(5.3)	[1.050089]		ND	(5)	[1.001903]	
trans-1,4-Dichloro-2-butene	ND	(10)	[1.045587]		ND	(10)	[1.048108]		ND	(11)	[1.050089]		ND	(10)	[1.001903]	
SW8270 - Semivolatile Organics (ug/kg)																
1,2,4,5-Tetrachlorobenzene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
1,2,4-Trichlorobenzene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
1,2-Dichlorobenzene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
1,2-Diphenylhydrazine	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
1,3-Dichlorobenzene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
1,4-Dichlorobenzene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
1-Chloronaphthalene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
1-Naphthylamine	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2,3,4,6-Tetrachlorophenol	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2,4,5-Trichlorophenol	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2,4,6-Trichlorophenol	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2,4-Dichlorophenol	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2,4-Dimethylphenol	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2,4-Dinitrophenol	ND	(700)	[0.034852]		ND	(700)	[0.034763]		ND	(700)	[0.035002]		ND	(670)	[0.033396]	
2,4-Dinitrotoluene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2,6-Dichlorophenol	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2,6-Dinitrotoluene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	
2-Chloronaphthalene	ND	(350)	[0.034852]		ND	(350)	[0.034763]		ND	(350)	[0.035002]		ND	(330)	[0.033396]	

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 21 CAN97-21-06 5 - 7			NONE 21 CAN97-21-99 Dup of CAN97-21-06 5 - 7			NONE 21 CAN97-21-I 4 - 6			NONE 21 CAN97-21-S 0 - 2		
2-Chlorophenol	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
2-Methylnaphthalene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
2-Methylphenol(o-cresol)	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
2-Naphthylamine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
2-Nitroaniline	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
2-Nitrophenol	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
2-Picoline	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
3,3'-Dichlorobenzidine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
3-Methylcholanthrene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
3-Nitroaniline	ND	(700)	[0.034852]	ND	(700)	[0.034763]	ND	(700)	[0.035002]	ND	(670)	[0.033396]
4,6-Dinitro-2-methylphenol	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
4-Aminobiphenyl	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
4-Bromophenyl phenyl ether	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
4-Chloro-3-methylphenol	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
4-Chlorophenyl phenyl ether	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
4-Methylphenol(p-cresol)	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
4-Nitroaniline	ND	(700)	[0.034852]	ND	(700)	[0.034763]	ND	(700)	[0.035002]	ND	(670)	[0.033396]
4-Nitrophenol	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
7,12-Dimethylbenz(a)anthracene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Acenaphthene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Acenaphthylene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Acetophenone	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Aniline	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Anthracene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Benzidine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Benzo(a)anthracene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Benzo(a)pyrene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Benzo(b)fluoranthene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Benzo(g,h,i)perylene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)										
	NONE 21 CAN97-21-06 5 - 7			NONE 21 CAN97-21-99 Dup of CAN97-21-06 5 - 7			NONE 21 CAN97-21-I 4 - 6			NONE 21 CAN97-21-S 0 - 2		
Benzo(k)fluoranthene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Benzoic acid	ND	(1700)	[0.034852]	ND	(1700)	[0.034763]	ND	(1800)	[0.035002]	ND	(1700)	[0.033396]
Benzyl alcohol	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Butylbenzylphthalate	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Chrysene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Di-n-octylphthalate	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Dibenz(a,h)anthracene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Dibenz(a,j)acridine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Dibenzofuran	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Dibutylphthalate	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Diethylphthalate	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Dimethylphenethylamine	ND	(4200)	[0.034852]	ND	(4200)	[0.034763]	ND	(4200)	[0.035002]	ND	(4000)	[0.033396]
Dimethylphthalate	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Diphenylamine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Ethyl methanesulfonate	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Fluoranthene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Fluorene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Hexachlorobenzene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Hexachlorobutadiene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Hexachlorocyclopentadiene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Hexachloroethane	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Indeno(1,2,3-cd)pyrene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Isophorone	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Methyl methanesulfonate	ND	(1700)	[0.034852]	ND	(1700)	[0.034763]	ND	(1800)	[0.035002]	ND	(1700)	[0.033396]
N-Nitroso-di-n-butylamine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
N-Nitrosodimethylamine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
N-Nitrosodiphenylamine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
N-Nitrosodipropylamine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
N-Nitrosopiperidine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B1 RESULTS OF ORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID: NONE LOCATION ID: 21 SAMPLE ID: CAN97-21-06 BEG. DEPTH - END DEPTH (FT.): 5 - 7			SITE ID: NONE LOCATION ID: 21 SAMPLE ID: CAN97-21-99 Dup of CAN97-21-06 BEG. DEPTH - END DEPTH (FT.): 5 - 7			SITE ID: NONE LOCATION ID: 21 SAMPLE ID: CAN97-21-I BEG. DEPTH - END DEPTH (FT.): 4 - 6			SITE ID: NONE LOCATION ID: 21 SAMPLE ID: CAN97-21-S BEG. DEPTH - END DEPTH (FT.): 0 - 2		
Naphthalene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Nitrobenzene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Pentachlorobenzene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Pentachloronitrobenzene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Pentachlorophenol	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Phenacetin	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Phenanthrene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Phenol	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Pronamide	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Pyrene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Pyridine	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
Unknown	380	(0)	[0.034852]	170	(0)	[0.034763]	240	(0)	[0.035002]	200	(0)	[0.033396]
Unknown B	210	(0)	[0.034852]	280	(0)	[0.034763]	460	(0)	[0.035002]	200	(0)	[0.033396]
Unknown alkane	NA			NA			NA			300	(0)	[0.033396]
bis(2-Chloroethoxy)methane	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
bis(2-Chloroethyl)ether	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
bis(2-Chloroisopropyl)ether	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
bis(2-Ethylhexyl)phthalate	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
p-Chloroaniline	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]
p-Dimethylaminoazobenzene	ND	(350)	[0.034852]	ND	(350)	[0.034763]	ND	(350)	[0.035002]	ND	(330)	[0.033396]

Compiled: 21 January 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0.5 - 1			NONE 2B CAN97-2B-06 8 - 10		
Percent moisture (%)												
Percent moisture	7.5	()	[1.000]	9.1	()	[1.000]	7.4	()	[1.000]	8.5	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	13000	(15)	[72.993]	13000	(14)	[70.922]	13000	(14)	[68.027]	10000	(14)	[71.942]
Antimony	ND	(29)	[291.971]	ND	(28)	[283.688]	ND	(6.8)	[68.027]	ND	(29)	[287.770]
Arsenic	4.6 @	(22)	[72.993]	4.6 @	(21)	[70.922]	0.028 @	(20)	[68.027]	0.36 @	(22)	[71.942]
Barium	160	(0.73)	[72.993]	210	(0.71)	[70.922]	180	(0.68)	[68.027]	90	(0.72)	[71.942]
Beryllium	0.44 @	(0.15)	[72.993]	0.41 @	(0.14)	[70.922]	0.4 @	(0.14)	[68.027]	0.35 @	(0.14)	[71.942]
Cadmium	0.087 @	(0.36)	[72.993]	ND	(0.35)	[70.922]	ND	(0.34)	[68.027]	ND	(0.36)	[71.942]
Calcium	110000	(290)	[291.971]	99000	(280)	[283.688]	22000	(68)	[68.027]	120000	(290)	[287.770]
Chromium	10	(0.73)	[72.993]	9.8	(0.71)	[70.922]	11	(0.68)	[68.027]	7.5	(0.72)	[71.942]
Cobalt	3.3 @	(0.73)	[72.993]	3 @	(0.71)	[70.922]	3 @	(0.68)	[68.027]	1.9 @	(0.72)	[71.942]
Copper	4.1 @	(1.5)	[72.993]	4.8 @	(1.4)	[70.922]	5.9 @	(1.4)	[68.027]	2.5 @	(1.4)	[71.942]
Iron	7900	(3.6)	[72.993]	8100	(3.5)	[70.922]	8900	(3.4)	[68.027]	5600	(3.6)	[71.942]
Lead	3.7 @	(3.6)	[72.993]	2.5 @	(3.5)	[70.922]	9.4 @	(3.4)	[68.027]	3.1 @	(3.6)	[71.942]
Magnesium	3700	(73)	[72.993]	2400	(71)	[70.922]	1800	(68)	[68.027]	2800	(72)	[71.942]
Manganese	120	(0.73)	[72.993]	110	(0.71)	[70.922]	170	(0.68)	[68.027]	54	(0.72)	[71.942]
Molybdenum	0.62 @	(3.6)	[72.993]	0.4 @	(3.5)	[70.922]	0.56 @	(3.4)	[68.027]	0.54 @	(3.6)	[71.942]
Nickel	7.1 @	(1.5)	[72.993]	6.2 @	(1.4)	[70.922]	7.2	(1.4)	[68.027]	5.7 @	(1.4)	[71.942]
Potassium	2400	(220)	[72.993]	2000	(210)	[70.922]	2200	(200)	[68.027]	1900	(220)	[71.942]
Selenium	1.5 @	(22)	[72.993]	ND	(21)	[70.922]	2.7 @	(20)	[68.027]	3.7 @	(22)	[71.942]
Silver	ND	(0.73)	[72.993]	ND	(0.71)	[70.922]	ND	(0.68)	[68.027]	ND	(0.72)	[71.942]
Sodium	66 @	(73)	[72.993]	51 @	(71)	[70.922]	40 @	(68)	[68.027]	61 @	(72)	[71.942]
Thallium	3.2 @	(7.3)	[72.993]	0.58 @	(7.1)	[70.922]	2.9 @	(6.8)	[68.027]	2.8 @	(7.2)	[71.942]
Vanadium	23	(1.5)	[72.993]	19	(1.4)	[70.922]	22	(1.4)	[68.027]	15	(1.4)	[71.942]
Zinc	20	(1.5)	[72.993]	21	(1.4)	[70.922]	23	(1.4)	[68.027]	14	(1.4)	[71.942]
SW7060 - Arsenic (mg/kg)												
Arsenic	2.4	(0.34)	[85.800]	2	(0.31)	[77.473]	4.5	(0.3)	[74.477]	ND	(0.3)	[75.372]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2A CAN97-2A-06 8 - 10			NONE 2A CAN97-2A-I 4 - 6			NONE 2A CAN97-2A-S 0.5 - 1			NONE 2B CAN97-2B-06 8 - 10		
SW7421 - Lead (mg/kg)												
Lead	5.9	(0.51)	[171.464]	6.3	(0.46)	[154.945]	7.8	(0.45)	[148.954]	4.1	(0.45)	[150.744]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.051)	[284.495]	0.029 @	(0.052)	[289.503]	0.022 @	(0.04)	[224.982]	0.023 @	(0.052)	[287.604]
SW7740 - Selenium (mg/kg)												
Selenium	1.9 @	(0.43)	[85.800]	1.7 @	(0.39)	[77.473]	1.3 @	(0.37)	[74.477]	1.7 @	(0.38)	[75.372]
Soil pH (pH units)												
pH	8.5	()	[1.000]	8.4	()	[1.000]	8.5	()	[1.000]	8.5	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0.5 - 1			NONE 3A CAN97-3A-06 8 - 10		
Percent moisture (%)												
Percent moisture	6.9	()	[1.000]	6.3	()	[1.000]	5.7	()	[1.000]	9.8	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	13000	(15)	[72.993]	12000	(14)	[69.444]	12000	(15)	[74.627]	14000	(68)	[339.000]
Antimony	ND	(29)	[291.971]	ND	(28)	[277.778]	ND	(30)	[298.507]	ND	(34)	[339.000]
Arsenic	7.7 @	(22)	[72.993]	8.9 @	(21)	[69.444]	3.4 @	(22)	[74.627]	8.6 @	(25)	[84.746]
Barium	91	(0.73)	[72.993]	92	(0.69)	[69.444]	140	(0.75)	[74.627]	41	(3.4)	[339.000]
Beryllium	0.41 @	(0.15)	[72.993]	0.4 @	(0.14)	[69.444]	0.37 @	(0.15)	[74.627]	0.63 @	(0.17)	[84.746]
Cadmium	ND	(0.36)	[72.993]	0.07 @	(0.35)	[69.444]	ND	(0.37)	[74.627]	0.06 @	(0.42)	[84.746]
Calcium	72000	(290)	[291.971]	76000	(280)	[277.778]	29000	(300)	[298.507]	56000	(340)	[339.000]
Chromium	10	(0.73)	[72.993]	9.9	(0.69)	[69.444]	11	(0.75)	[74.627]	9.5	(0.85)	[84.746]
Cobalt	3 @	(0.73)	[72.993]	2.9 @	(0.69)	[69.444]	2.4 @	(0.75)	[74.627]	3.6 @	(0.85)	[84.746]
Copper	4.3 @	(1.5)	[72.993]	4.3 @	(1.4)	[69.444]	5.3 @	(1.5)	[74.627]	4.3 @	(1.7)	[84.746]
Iron	8100	(3.6)	[72.993]	7900	(3.5)	[69.444]	8300	(3.7)	[74.627]	9200	(17)	[339.000]
Lead	2.6 @	(3.6)	[72.993]	3.3 @	(3.5)	[69.444]	13 @	(3.7)	[74.627]	2.3 @	(4.2)	[84.746]
Magnesium	2400	(73)	[72.993]	2300	(69)	[69.444]	1600	(75)	[74.627]	4600	(340)	[339.000]
Manganese	110	(0.73)	[72.993]	100	(0.69)	[69.444]	140	(0.75)	[74.627]	120	(3.4)	[339.000]
Molybdenum	0.28 @	(3.6)	[72.993]	0.45 @	(3.5)	[69.444]	0.55 @	(3.7)	[74.627]	0.73 @	(4.2)	[84.746]
Nickel	6.5 @	(1.5)	[72.993]	6 @	(1.4)	[69.444]	6.8 @	(1.5)	[74.627]	8.1 @	(1.7)	[84.746]
Potassium	2200	(220)	[72.993]	2000	(210)	[69.444]	2100	(220)	[74.627]	2900	(250)	[84.746]
Selenium	ND	(22)	[72.993]	1 @	(21)	[69.444]	ND	(22)	[74.627]	1.6 @	(25)	[84.746]
Silver	ND	(0.73)	[72.993]	ND	(0.69)	[69.444]	ND	(0.75)	[74.627]	ND	(0.85)	[84.746]
Sodium	43 @	(73)	[72.993]	42 @	(69)	[69.444]	43 @	(75)	[74.627]	250 @	(85)	[84.746]
Thallium	1.2 @	(7.3)	[72.993]	3.4 @	(6.9)	[69.444]	1.6 @	(7.5)	[74.627]	ND	(8.5)	[84.746]
Vanadium	21	(1.5)	[72.993]	20	(1.4)	[69.444]	21	(1.5)	[74.627]	19	(1.7)	[84.746]
Zinc	20	(1.5)	[72.993]	20	(1.4)	[69.444]	22	(1.5)	[74.627]	22	(1.7)	[84.746]
SW7060 - Arsenic (mg/kg)												
Arsenic	1.9	(0.29)	[73.069]	2	(0.29)	[72.601]	3.8	(0.61)	[152.582]	2.8	(0.33)	[81.518]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 2B CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-99 Dup of CAN97-2B-I 4 - 6			NONE 2B CAN97-2B-S 0.5 - 1			NONE 3A CAN97-3A-06 8 - 10		
SW7421 - Lead (mg/kg)												
Lead	5.5	(0.44)	[146.138]	5.5	(0.44)	[145.202]	8.9	(0.46)	[152.582]	7.5	(0.49)	[163.036]
SW7471 - Mercury (mg/kg)												
Mercury	0.024 @	(0.048)	[268.528]	0.038 @	(0.057)	[313.893]	0.024 @	(0.048)	[268.528]	ND	(0.042)	[230.968]
SW7740 - Selenium (mg/kg)												
Selenium	1.5 @	(0.37)	[73.069]	1.8	(0.36)	[72.601]	1.3 @	(0.38)	[76.291]	0.41 @	(0.41)	[81.518]
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.5	()	[1.000]	8.4	()	[1.000]	7.7	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
Percent moisture (%)												
Percent moisture	11	()	[1.000]	14	()	[1.000]	12	()	[1.000]	14	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	13000	(65)	[325.200]	11000	(180)	[900.901]	11000	(16)	[80.026]	13000	(17)	[85.499]
Antimony	ND	(33)	[325.200]	ND	(90)	[900.901]	ND	(80)	[800.256]	ND	(34)	[341.997]
Arsenic	7.6 @	(24)	[81.301]	6.5 @	(27)	[90.090]	ND	(24)	[80.026]	ND	(26)	[85.499]
Barium	220	(3.3)	[325.200]	170	(9)	[900.901]	85	(0.8)	[80.026]	250	(0.85)	[85.499]
Beryllium	0.52 @	(0.16)	[81.301]	0.39 @	(0.18)	[90.090]	0.71 @	(0.16)	[80.026]	0.58 @	(0.17)	[85.499]
Cadmium	0.4 @	(0.41)	[81.301]	0.2 @	(0.45)	[90.090]	0.43 @	(0.4)	[80.026]	0.066 @	(0.43)	[85.499]
Calcium	62000	(330)	[325.200]	250000	(900)	[900.901]	160000	(800)	[800.256]	59000	(340)	[341.997]
Chromium	8	(0.81)	[81.301]	6.9	(0.9)	[90.090]	7.1	(0.8)	[80.026]	8.4	(0.85)	[85.499]
Cobalt	2.6 @	(0.81)	[81.301]	2.3 @	(0.9)	[90.090]	2.8 @	(0.8)	[80.026]	2.8 @	(0.85)	[85.499]
Copper	4.5 @	(1.6)	[81.301]	3.5 @	(1.8)	[90.090]	4.6 @	(1.6)	[80.026]	4.3 @	(1.7)	[85.499]
Iron	7800	(16)	[325.200]	6600	(45)	[900.901]	5800	(4)	[80.026]	7700	(4.3)	[85.499]
Lead	2.7 @	(4.1)	[81.301]	ND	(4.5)	[90.090]	1.1 @	(4)	[80.026]	4.5 @	(4.3)	[85.499]
Magnesium	3700	(330)	[325.200]	4300 @	(900)	[900.901]	4200	(80)	[80.026]	4300	(85)	[85.499]
Manganese	120	(3.3)	[325.200]	55	(9)	[900.901]	110	(0.8)	[80.026]	110	(0.85)	[85.499]
Molybdenum	0.47 @	(4.1)	[81.301]	0.19 @	(4.5)	[90.090]	0.56 @	(4)	[80.026]	0.41 @	(4.3)	[85.499]
Nickel	7 @	(1.6)	[81.301]	6.5 @	(1.8)	[90.090]	6.4 @	(1.6)	[80.026]	7.3 @	(1.7)	[85.499]
Potassium	2200	(240)	[81.301]	1700	(270)	[90.090]	2200	(240)	[80.026]	2400	(260)	[85.499]
Selenium	ND	(24)	[81.301]	1.6 @	(27)	[90.090]	2.1 @	(24)	[80.026]	0.88 @	(26)	[85.499]
Silver	ND	(0.81)	[81.301]	ND	(0.9)	[90.090]	ND	(0.8)	[80.026]	ND	(0.85)	[85.499]
Sodium	330 @	(81)	[81.301]	420 @	(90)	[90.090]	220 @	(80)	[80.026]	250 @	(85)	[85.499]
Thallium	0.052 @	(8.1)	[81.301]	ND	(9)	[90.090]	ND	(8)	[80.026]	1.4 @	(8.5)	[85.499]
Vanadium	17	(1.6)	[81.301]	17	(1.8)	[90.090]	12	(1.6)	[80.026]	17	(1.7)	[85.499]
Zinc	19	(1.6)	[81.301]	17	(1.8)	[90.090]	16	(1.6)	[80.026]	20	(1.7)	[85.499]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			0.052 @	(0.52)	[86.775]	0.027 @	(0.55)	[91.642]	NA		

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2

RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.) NONE 3A CAN97-3A-I 4 - 6			NONE 3A CAN97-3A-S 0 - 2			NONE 3B CAN97-3B-06 8 - 10			NONE 3B CAN97-3B-I 4 - 6		
SW7060 - Arsenic (mg/kg)												
Arsenic	3.4	(0.31)	[78.028]	5.1	(0.34)	[86.133]	0.064 @	(0.32)	[80.026]	2	(0.35)	[87.428]
SW7421 - Lead (mg/kg)												
Lead	4.4	(0.47)	[156.055]	4.3	(0.26)	[86.133]	4.2	(0.48)	[160.051]	6	(0.52)	[174.856]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.051)	[280.899]	ND	(0.05)	[276.855]	ND	(0.06)	[334.225]	ND	(0.055)	[305.998]
SW7740 - Selenium (mg/kg)												
Selenium	0.6 @	(0.39)	[78.028]	0.58 @	(0.43)	[86.133]	ND	(0.4)	[80.026]	ND	(0.44)	[87.428]
Soil pH (pH units)												
pH	7.9	()	[1.000]	8.3	()	[1.000]	8.3	()	[1.000]	8.2	()	[1.000]

Compiled: 2 February 1993

() = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
Percent moisture (%)												
Percent moisture	13	()	[1.000]	9.2	()	[1.000]	11	()	[1.000]	8.8	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	15000	(16)	[81.520]	14000	(18)	[89.286]	14000	(19)	[97.000]	8000	(18)	[91.743]
Antimony	ND	(130)	[304.312]	ND @	(8.9)	[89.286]	ND @	(9.7)	[97.000]	ND @	(9.2)	[91.743]
Arsenic	8.6 @	(24)	[81.520]	ND @	(27)	[89.286]	ND @	(29)	[97.000]	2.9 @	(28)	[91.743]
Barium	170	(0.82)	[81.520]	130	(0.89)	[89.286]	52	(0.97)	[97.000]	59	(0.92)	[91.743]
Beryllium	0.62 @	(0.16)	[81.520]	0.63 @	(0.18)	[89.286]	0.64 @	(0.19)	[97.000]	0.48 @	(0.18)	[91.743]
Cadmium	ND	(0.41)	[81.520]	0.26 @	(0.45)	[89.286]	0.26 @	(0.48)	[97.000]	ND @	(0.46)	[91.743]
Calcium	130000	(1300)	[304.312]	5100	(89)	[89.286]	41000	(97)	[97.000]	49000	(920)	[917.000]
Chromium	11	(0.82)	[81.520]	12	(0.89)	[89.286]	10	(0.97)	[97.000]	6.1	(0.92)	[91.743]
Cobalt	4 @	(0.82)	[81.520]	3.6 @	(0.89)	[89.286]	3.6 @	(0.97)	[97.000]	2.5 @	(0.92)	[91.743]
Copper	5.4 @	(1.6)	[81.520]	7.9 @	(1.8)	[89.286]	5.4 @	(1.9)	[97.000]	2.6 @	(1.8)	[91.743]
Iron	9500	(4.1)	[81.520]	11000	(4.5)	[89.286]	10000	(4.8)	[97.000]	5700	(4.6)	[91.743]
Lead	1.4 @	(4.1)	[81.520]	10 @	(4.5)	[89.286]	7 @	(4.8)	[97.000]	2.7 @	(4.6)	[91.743]
Magnesium	3700	(82)	[81.520]	1800	(89)	[89.286]	3700	(97)	[97.000]	2800	(92)	[91.743]
Manganese	120	(0.82)	[81.520]	170	(0.89)	[89.286]	150	(0.97)	[97.000]	170	(0.92)	[91.743]
Molybdenum	0.33 @	(4.1)	[81.520]	0.74 @	(4.5)	[89.286]	0.14 @	(4.8)	[97.000]	0.046 @	(4.6)	[91.743]
Nickel	10	(1.6)	[81.520]	10	(1.8)	[89.286]	10	(1.9)	[97.000]	7.4 @	(1.8)	[91.743]
Potassium	2500	(240)	[81.520]	2200	(270)	[89.286]	2600	(290)	[97.000]	2000	(280)	[91.743]
Selenium	1.9 @	(24)	[81.520]	5.8 @	(27)	[89.286]	7.1 @	(29)	[97.000]	3.8 @	(28)	[91.743]
Silver	ND	(0.82)	[81.520]	ND @	(0.89)	[89.286]	ND @	(0.97)	[97.000]	ND @	(0.92)	[91.743]
Sodium	86 @	(82)	[81.520]	120 @	(89)	[89.286]	160 @	(97)	[97.000]	180 @	(92)	[91.743]
Thallium	0.047 @	(8.2)	[81.520]	ND @	(8.9)	[89.286]	0.69 @	(9.7)	[97.000]	1.6 @	(9.2)	[91.743]
Vanadium	26	(1.6)	[81.520]	22	(1.8)	[89.286]	27	(1.9)	[97.000]	11	(1.8)	[91.743]
Zinc	23	(1.6)	[81.520]	28	(1.8)	[89.286]	24	(1.9)	[97.000]	14	(1.8)	[91.743]
SW7041 - Antimony by AA (mg/kg)												
Antimony	0.21 @	(0.54)	[90.506]	NA			NA			NA		

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3B CAN97-3B-S 0 - 2			NONE 3C CAN97-3C-01 12 - 14			NONE 3C CAN97-3C-02 18 - 20			NONE 3C CAN97-3C-03 23 - 25		
SW7060 - Arsenic (mg/kg)												
Arsenic	2.2	(0.33)	[81.520]	5.9	(0.36)	[91.018]	4.1	(0.37)	[91.349]	1.7 @	(0.37)	[92.923]
SW7421 - Lead (mg/kg)												
Lead	5.9	(0.49)	[163.039]	8.9	(0.55)	[182.037]	5.7	(0.27)	[91.349]	4.1	(0.28)	[92.923]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.054)	[302.480]	0.033 @	(0.045)	[250.300]	0.024 @	(0.048)	[267.523]	0.017 @	(0.043)	[238.368]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.41)	[81.520]	0.21 @	(0.46)	[91.018]	0.41 @	(0.46)	[91.349]	ND	(0.46)	[92.923]
Soil pH (pH units)												
pH	7.7	()	[1.000]	7.8	()	[1.000]	8.2	()	[1.000]	8.4	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-04 28 - 30			NONE 3C CAN97-3C-05 33 - 35			NONE 3C CAN97-3C-06 38 - 40			NONE 3C CAN97-3C-99 Dup of CAN97-3C-06 38 - 40		
Percent moisture (%)												
Percent moisture	9.3	()	[1.000]	11	()	[1.000]	11	()	[1.000]	10	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	11000	(18)	[90.090]	6800	(19)	[96.154]	5600	(18)	[89.286]	5100	(19)	[96.154]
Antimony	ND @	(9)	[90.090]	ND @	(9.6)	[96.154]	ND @	(8.9)	[89.286]	ND @	(9.6)	[96.154]
Arsenic	ND @	(27)	[90.090]	6 @	(29)	[96.154]	ND @	(27)	[89.286]	0.75 @	(29)	[96.154]
Barium	110	(0.9)	[90.090]	47	(0.96)	[96.154]	71	(0.89)	[89.286]	89	(0.96)	[96.154]
Beryllium	0.68 @	(0.18)	[90.090]	0.28 @	(0.19)	[96.154]	0.26 @	(0.18)	[89.286]	0.17 @	(0.19)	[96.154]
Cadmium	0.23 @	(0.45)	[90.090]	0.2 @	(0.48)	[96.154]	0.19 @	(0.45)	[89.286]	0.36 @	(0.48)	[96.154]
Calcium	42000	(90)	[90.090]	130000	(960)	[962.000]	140000	(890)	[893.000]	150000	(960)	[962.000]
Chromium	8.2	(0.9)	[90.090]	5.8	(0.96)	[96.154]	5.4	(0.89)	[89.286]	5	(0.96)	[96.154]
Cobalt	2.9 @	(0.9)	[90.090]	1.4 @	(0.96)	[96.154]	1.4 @	(0.89)	[89.286]	0.6 @	(0.96)	[96.154]
Copper	4.3 @	(1.8)	[90.090]	1.9 @	(1.9)	[96.154]	1.6 @	(1.8)	[89.286]	2.4 @	(1.9)	[96.154]
Iron	7000	(4.5)	[90.090]	4100	(4.8)	[96.154]	3400	(4.5)	[89.286]	3000	(4.8)	[96.154]
Lead	5.1 @	(4.5)	[90.090]	1.3 @	(4.8)	[96.154]	ND @	(4.5)	[89.286]	ND @	(4.8)	[96.154]
Magnesium	3800	(90)	[90.090]	5600	(96)	[96.154]	6400	(89)	[89.286]	6400	(96)	[96.154]
Manganese	120	(0.9)	[90.090]	43	(0.96)	[96.154]	32	(0.89)	[89.286]	27	(0.96)	[96.154]
Molybdenum	0.33 @	(4.5)	[90.090]	ND @	(4.8)	[96.154]	ND @	(4.5)	[89.286]	ND @	(4.8)	[96.154]
Nickel	7.3 @	(1.8)	[90.090]	5.1 @	(1.9)	[96.154]	4.9 @	(1.8)	[89.286]	4.1 @	(1.9)	[96.154]
Potassium	2500	(270)	[90.090]	1300 @	(290)	[96.154]	1000 @	(270)	[89.286]	900 @	(290)	[96.154]
Selenium	5.6 @	(27)	[90.090]	1.5 @	(29)	[96.154]	3.3 @	(27)	[89.286]	2.1 @	(29)	[96.154]
Silver	ND @	(0.9)	[90.090]	ND @	(0.96)	[96.154]	ND @	(0.89)	[89.286]	ND @	(0.96)	[96.154]
Sodium	230 @	(90)	[90.090]	150 @	(96)	[96.154]	140 @	(89)	[89.286]	140 @	(96)	[96.154]
Thallium	1 @	(9)	[90.090]	1.4 @	(9.6)	[96.154]	0.6 @	(8.9)	[89.286]	ND @	(9.6)	[96.154]
Vanadium	14	(1.8)	[90.090]	15	(1.9)	[96.154]	18	(1.8)	[89.286]	17	(1.9)	[96.154]
Zinc	18	(1.8)	[90.090]	9.7	(1.9)	[96.154]	7.2 @	(1.8)	[89.286]	6.3 @	(1.9)	[96.154]
SW7060 - Arsenic (mg/kg)												
Arsenic	3.2	(0.36)	[91.119]	2.7	(0.37)	[93.633]	2.1	(0.36)	[90.613]	2	(0.39)	[98.328]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-04 28 - 30			NONE 3C CAN97-3C-05 33 - 35			NONE 3C CAN97-3C-06 38 - 40			NONE 3C CAN97-3C-99 Dup of CAN97-3C-06 38 - 40		
SW7421 - Lead (mg/kg)												
Lead	5.4	(0.27)	[91.119]	3.1	(0.28)	[93.633]	2.3	(0.27)	[90.613]	2.5	(0.29)	[98.328]
SW7471 - Mercury (mg/kg)												
Mercury	0.026 @	(0.052)	[290.141]	0.021 @	(0.042)	[234.082]	0.028 @	(0.051)	[280.899]	0.025 @	(0.05)	[277.778]
SW7740 - Selenium (mg/kg)												
Selenium	0.0046 @	(0.46)	[91.119]	0.3 @	(0.47)	[93.633]	0.23 @	(0.45)	[90.613]	0.35 @	(0.49)	[98.328]
Soil pH (pH units)												
pH	8.5	()	[1.000]	6.9	()	[1.000]	8.3	()	[1.000]	8.2	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
Percent moisture (%)												
Percent moisture	9.3	()	[1.000]	10	()	[1.000]	11	()	[1.000]	7.2	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	8300	(19)	[93.458]	7000	(18)	[91.743]	3900	(20)	[101.000]	2600	(18)	[90.909]
Antimony	ND @	(9.3)	[93.458]	ND @	(9.2)	[91.743]	ND @	(10)	[101.000]	ND @	(9.1)	[90.909]
Arsenic	ND @	(28)	[93.458]	ND @	(28)	[91.743]	ND @	(30)	[101.000]	ND @	(27)	[90.909]
Barium	42	(0.93)	[93.458]	190	(0.92)	[91.743]	380	(1)	[101.000]	110	(0.91)	[90.909]
Beryllium	0.3 @	(0.19)	[93.458]	0.22 @	(0.18)	[91.743]	0.091 @	(0.2)	[101.000]	0.092 @	(0.18)	[90.909]
Cadmium	0.45 @	(0.47)	[93.458]	0.24 @	(0.46)	[91.743]	0.51 @	(0.5)	[101.000]	0.13 @	(0.45)	[90.909]
Calcium	21000	(93)	[93.458]	88000	(920)	[917.000]	130000	(1000)	[010.000]	52000	(910)	[909.000]
Chromium	6.3	(0.93)	[93.458]	7.8	(0.92)	[91.743]	6.3	(1)	[101.000]	2.7 @	(0.91)	[90.909]
Cobalt	2.2 @	(0.93)	[93.458]	1.7 @	(0.92)	[91.743]	0.86 @	(1)	[101.000]	0.94 @	(0.91)	[90.909]
Copper	3.4 @	(1.9)	[93.458]	3 @	(1.8)	[91.743]	2.1 @	(2)	[101.000]	0.78 @	(1.8)	[90.909]
Iron	6200	(4.7)	[93.458]	4800	(4.6)	[91.743]	2400	(5)	[101.000]	2300	(4.5)	[90.909]
Lead	6.7 @	(4.7)	[93.458]	ND @	(4.6)	[91.743]	ND @	(5)	[101.000]	ND @	(4.5)	[90.909]
Magnesium	4500	(93)	[93.458]	5800	(92)	[91.743]	15000	(100)	[101.000]	2500	(91)	[90.909]
Manganese	66	(0.93)	[93.458]	53	(0.92)	[91.743]	30	(1)	[101.000]	31	(0.91)	[90.909]
Molybdenum	ND @	(4.7)	[93.458]	ND @	(4.6)	[91.743]	ND @	(5)	[101.000]	ND @	(4.5)	[90.909]
Nickel	5.4 @	(1.9)	[93.458]	6 @	(1.8)	[91.743]	3.9 @	(2)	[101.000]	3.1 @	(1.8)	[90.909]
Potassium	2100	(280)	[93.458]	1500	(280)	[91.743]	620 @	(300)	[101.000]	480 @	(270)	[90.909]
Selenium	0.67 @	(28)	[93.458]	2.7 @	(28)	[91.743]	2.7 @	(30)	[101.000]	4.1 @	(27)	[90.909]
Silver	ND @	(0.93)	[93.458]	ND @	(0.92)	[91.743]	ND @	(1)	[101.000]	ND @	(0.91)	[90.909]
Sodium	180 @	(93)	[93.458]	180 @	(92)	[91.743]	160 @	(100)	[101.000]	85 @	(91)	[90.909]
Thallium	3.7 @	(9.3)	[93.458]	0.96 @	(9.2)	[91.743]	6.8 @	(10)	[101.000]	ND @	(9.1)	[90.909]
Vanadium	23	(1.9)	[93.458]	17	(1.8)	[91.743]	17	(2)	[101.000]	8 @	(1.8)	[90.909]
Zinc	14	(1.9)	[93.458]	11	(1.8)	[91.743]	4.7 @	(2)	[101.000]	4.3 @	(1.8)	[90.909]
SW7060 - Arsenic (mg/kg)												
Arsenic	2.6	(0.37)	[91.878]	2.4	(0.38)	[94.162]	2.5	(0.37)	[93.633]	1.1 @	(0.36)	[89.057]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.) NONE 3C CAN97-3C-07 43 - 45			NONE 3C CAN97-3C-08 48 - 50			NONE 3C CAN97-3C-09 53 - 55			NONE 3C CAN97-3C-10 58 - 60		
SW7421 - Lead (mg/kg)												
Lead	3.4	(0.28)	[91.878]	2.7	(0.28)	[94.162]	1.4	(0.28)	[93.633]	1.4	(0.26)	[85.523]
SW7471 - Mercury (mg/kg)												
Mercury	0.022 @	(0.05)	[275.634]	0.023 @	(0.053)	[292.398]	0.02 @	(0.051)	[280.899]	0.019 @	(0.039)	[215.517]
SW7740 - Selenium (mg/kg)												
Selenium	0.25 @	(0.46)	[91.878]	0.27 @	(0.47)	[94.162]	0.29 @	(0.47)	[93.633]	ND	(0.43)	[85.523]
Soil pH (pH units)												
pH	8.1	()	[1.000]	8.1	()	[1.000]	7.6	()	[1.000]	8.3	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 3C CAN97-3C-11 63 - 65			NONE 3C CAN97-3C-12 68 - 70			NONE 3C CAN97-3C-13 71 - 73			NONE 4A CAN97-4A-06 8 - 10					
Percent moisture (%)															
Percent moisture	4.6	()	[1.000]	5.2	()	[1.000]	5.4	()	[1.000]	7.7		()	[1.000]		
SW6010 - Metals (mg/kg)															
Aluminum	2500	(18)	[90.909]	4700	(18)	[90.090]	4200	(17)	[84.034]	9500		(300)	[509.434]		
Antimony	ND @	(9.1)	[90.909]	ND @	(9)	[90.090]	ND @	(8.4)	[84.034]	ND		(150)	[509.434]		
Arsenic	ND @	(27)	[90.909]	ND @	(27)	[90.090]	ND @	(25)	[84.034]	1.8	@	(28)	[94.340]		
Barium	22	(0.91)	[90.909]	39	(0.9)	[90.090]	49	(0.84)	[84.034]	160		(15)	[509.434]		
Beryllium	0.13 @	(0.18)	[90.909]	0.21 @	(0.18)	[90.090]	0.2 @	(0.17)	[84.034]	0.43	@	(0.19)	[94.340]		
Cadmium	0.23 @	(0.45)	[90.909]	0.48 @	(0.45)	[90.090]	0.31 @	(0.42)	[84.034]	0.25	@	(0.47)	[94.340]		
Calcium	18000	(91)	[90.909]	7400	(90)	[90.090]	38000	(84)	[84.034]	130000		(1500)	[509.434]		
Chromium	2.6 @	(0.91)	[90.909]	4.9	(0.9)	[90.090]	4 @	(0.84)	[84.034]	6.5		(0.94)	[94.340]		
Cobalt	0.38 @	(0.91)	[90.909]	1.8 @	(0.9)	[90.090]	1.7 @	(0.84)	[84.034]	2.8	@	(0.94)	[94.340]		
Copper	0.94 @	(1.8)	[90.909]	1.8 @	(1.8)	[90.090]	1.8 @	(1.7)	[84.034]	2.5	@	(1.9)	[94.340]		
Iron	2600	(4.5)	[90.909]	4700	(4.5)	[90.090]	4100	(4.2)	[84.034]	7300		(75)	[509.434]		
Lead	0.15 @	(4.5)	[90.909]	3.5 @	(4.5)	[90.090]	ND @	(4.2)	[84.034]	ND		(4.7)	[94.340]		
Magnesium	1800	(91)	[90.909]	2600	(90)	[90.090]	2500	(84)	[84.034]	4400	@	(1500)	[509.434]		
Manganese	29	(0.91)	[90.909]	100	(0.9)	[90.090]	81	(0.84)	[84.034]	83		(15)	[509.434]		
Molybdenum	0.089 @	(4.5)	[90.909]	ND @	(4.5)	[90.090]	0.15 @	(4.2)	[84.034]	0.28	@	(4.7)	[94.340]		
Nickel	2.8 @	(1.8)	[90.909]	4.8 @	(1.8)	[90.090]	4.2 @	(1.7)	[84.034]	7.1	@	(1.9)	[94.340]		
Potassium	440 @	(270)	[90.909]	1000 @	(270)	[90.090]	860 @	(250)	[84.034]	1900		(280)	[94.340]		
Selenium	2.1 @	(27)	[90.909]	1.6 @	(27)	[90.090]	2.8 @	(25)	[84.034]	1.4	@	(28)	[94.340]		
Silver	ND @	(0.91)	[90.909]	ND @	(0.9)	[90.090]	ND @	(0.84)	[84.034]	ND		(0.94)	[94.340]		
Sodium	56 @	(91)	[90.909]	76 @	(90)	[90.090]	60 @	(84)	[84.034]	220	@	(94)	[94.340]		
Thallium	ND @	(9.1)	[90.909]	ND @	(9)	[90.090]	1.5 @	(8.4)	[84.034]	1.7	@	(9.4)	[94.340]		
Vanadium	8.7 @	(1.8)	[90.909]	14	(1.8)	[90.090]	12	(1.7)	[84.034]	17		(1.9)	[94.340]		
Zinc	4.8 @	(1.8)	[90.909]	8.6 @	(1.8)	[90.090]	7.8 @	(1.7)	[84.034]	15		(1.9)	[94.340]		
SW7041 - Antimony by AA (mg/kg)															
Antimony	NA			NA			NA			0.069	@	(0.46)	[76.297]		

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 3C CAN97-3C-11 63 - 65			NONE 3C CAN97-3C-12 68 - 70			NONE 3C CAN97-3C-13 71 - 73			NONE 4A CAN97-4A-06 8 - 10		
SW7060 - Arsenic (mg/kg)												
Arsenic	1.2 @	(0.36)	[89.591]	1.7 @	(0.35)	[87.904]	1.5 @	(0.35)	[87.362]	3.8	(0.38)	[95.878]
SW7421 - Lead (mg/kg)												
Lead	2.6	(0.27)	[89.591]	2.7	(0.26)	[87.904]	2.6	(0.26)	[87.362]	4.5	(0.29)	[95.878]
SW7471 - Mercury (mg/kg)												
Mercury	0.015 @	(0.039)	[218.838]	0.018 @	(0.045)	[251.155]	0.022 @	(0.043)	[240.246]	0.015 @	(0.054)	[300.951]
SW7740 - Selenium (mg/kg)												
Selenium	0.015 @	(0.45)	[89.591]	0.051 @	(0.44)	[87.904]	ND	(0.44)	[87.362]	0.81 @	(0.48)	[95.878]
Soil pH (pH units)												
pH	8	()	[1.000]	8.2	()	[1.000]	7.3	()	[1.000]	8.8	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 4A CAN97-4A-I 4 - 6			NONE 4A CAN97-4A-S 0.5 - 1			NONE 4A CAN97-4A-99 Dup of CAN97-4A-S 0.5 - 1			NONE 4B CAN97-4B-06 8 - 10		
Percent moisture (%)												
Percent moisture	8.1	()	[1.000]	5.6	()	[1.000]	6	()	[1.000]	6.7	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	7400	(150)	[754.000]	10000	(18)	[90.909]	11000	(17)	[84.034]	10000	(16)	[80.587]
Antimony	ND	(75)	[754.000]	ND	(9.1)	[90.909]	0.14 @	(8.4)	[84.034]	ND	(81)	[805.873]
Arsenic	1.6 @	(28)	[94.340]	ND	(27)	[90.909]	ND	(25)	[84.034]	ND	(24)	[80.587]
Barium	1000	(7.5)	[754.000]	56	(0.91)	[90.909]	59	(0.84)	[84.034]	530	(0.81)	[80.587]
Beryllium	0.35 @	(0.19)	[94.340]	0.39 @	(0.18)	[90.909]	0.4 @	(0.17)	[84.034]	0.36 @	(0.16)	[80.587]
Cadmium	0.061 @	(0.47)	[94.340]	0.18 @	(0.45)	[90.909]	0.033 @	(0.42)	[84.034]	0.13 @	(0.4)	[80.587]
Calcium	260000	(750)	[754.000]	2600	(91)	[90.909]	2400	(84)	[84.034]	160000	(810)	[805.873]
Chromium	4.5 @	(0.94)	[94.340]	10	(0.91)	[90.909]	10	(0.84)	[84.034]	7.8	(0.81)	[80.587]
Cobalt	1.9 @	(0.94)	[94.340]	3.1 @	(0.91)	[90.909]	3 @	(0.84)	[84.034]	2.2 @	(0.81)	[80.587]
Copper	2.4 @	(1.9)	[94.340]	5 @	(1.8)	[90.909]	5.2 @	(1.7)	[84.034]	2.1 @	(1.6)	[80.587]
Iron	4500	(38)	[754.000]	9000	(4.5)	[90.909]	9200	(4.2)	[84.034]	5900	(4)	[80.587]
Lead	ND	(4.7)	[94.340]	5.2 @	(4.5)	[90.909]	6.2 @	(4.2)	[84.034]	ND	(4)	[80.587]
Magnesium	3900	(750)	[754.000]	1200	(91)	[90.909]	1200	(84)	[84.034]	3900	(81)	[80.587]
Manganese	36 @	(7.5)	[754.000]	150	(0.91)	[90.909]	160	(0.84)	[84.034]	55	(0.81)	[80.587]
Molybdenum	ND	(4.7)	[94.340]	0.68 @	(4.5)	[90.909]	0.19 @	(4.2)	[84.034]	0.32 @	(4)	[80.587]
Nickel	4.1 @	(1.9)	[94.340]	5.9 @	(1.8)	[90.909]	5.8 @	(1.7)	[84.034]	6.5 @	(1.6)	[80.587]
Potassium	1000 @	(280)	[94.340]	1700	(270)	[90.909]	1800	(250)	[84.034]	2100	(240)	[80.587]
Selenium	ND	(28)	[94.340]	0.45 @	(27)	[90.909]	ND	(25)	[84.034]	2.4 @	(24)	[80.587]
Silver	ND	(0.94)	[94.340]	ND	(0.91)	[90.909]	ND	(0.84)	[84.034]	ND	(0.81)	[80.587]
Sodium	100 @	(94)	[94.340]	41 @	(91)	[90.909]	48 @	(84)	[84.034]	200 @	(81)	[80.587]
Thallium	1.8 @	(9.4)	[94.340]	2.7 @	(9.1)	[90.909]	ND	(8.4)	[84.034]	ND	(8.1)	[80.587]
Vanadium	11	(1.9)	[94.340]	19	(1.8)	[90.909]	19	(1.7)	[84.034]	16	(1.6)	[80.587]
Zinc	9.7	(1.9)	[94.340]	19	(1.8)	[90.909]	20	(1.7)	[84.034]	15	(1.6)	[80.587]
SW7041 - Antimony by AA (mg/kg)												
Antimony	0.052 @	(0.52)	[87.051]	NA			NA			NA		

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 4A CAN97-4A-I 4 - 6			NONE 4A CAN97-4A-S 0.5 - 1			NONE 4A CAN97-4A-99 Dup of CAN97-4A-S 0.5 - 1			NONE 4B CAN97-4B-06 8 - 10		
SW7060 - Arsenic (mg/kg)												
Arsenic	4.8	(0.38)	[95.451]	3.6	(0.36)	[89.019]	3.5	(0.35)	[86.490]	0.6 @	(0.32)	[81.198]
SW7421 - Lead (mg/kg)												
Lead	2.7	(0.29)	[95.451]	7.7	(1.1)	[356.075]	5	(0.26)	[86.490]	3.9	(0.49)	[162.396]
SW7471 - Mercury (mg/kg)												
Mercury	0.016 @	(0.041)	[226.696]	0.018 @	(0.048)	[264.831]	0.013 @	(0.04)	[221.631]	ND	(0.04)	[223.294]
SW7740 - Selenium (mg/kg)												
Selenium	0.15 @	(0.48)	[95.451]	ND	(0.45)	[89.019]	ND	(0.43)	[86.490]	ND	(0.41)	[81.198]
Soil pH (pH units)												
pH	8.4	()	[1.000]	7.6	()	[1.000]	7.6	()	[1.000]	8.7	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 4B CAN97-4B-I 4 - 6			NONE 4B CAN97-4B-S 0 - 2			NONE 8A CAN97-8A-06 8 - 10			NONE 8A CAN97-8A-I 4 - 6		
Percent moisture (%)												
Percent moisture	7.1	()	[1.000]	4.8	()	[1.000]	10	()	[1.000]	8.8	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	8200	(16)	[81.547]	12000	(16)	[78.390]	9800	(16)	[79.365]	11000	(16)	[77.519]
Antimony	ND	(82)	[815.474]	ND	(7.8)	[78.390]	ND	(79)	[793.651]	ND	(78)	[775.194]
Arsenic	2.9 @	(24)	[81.547]	ND	(24)	[78.390]	ND	(24)	[79.365]	1.6 @	(23)	[77.519]
Barium	170	(0.82)	[81.547]	74	(0.78)	[78.390]	230	(0.79)	[79.365]	1100	(0.78)	[77.519]
Beryllium	0.32 @	(0.16)	[81.547]	0.44 @	(0.16)	[78.390]	0.52 @	(0.16)	[79.365]	0.42 @	(0.16)	[77.519]
Cadmium	0.2 @	(0.41)	[81.547]	0.49 @	(0.39)	[78.390]	0.094 @	(0.4)	[79.365]	ND	(0.39)	[77.519]
Calcium	190000	(820)	[815.474]	6400	(78)	[78.390]	260000	(790)	[793.651]	180000	(780)	[775.194]
Chromium	6.2	(0.82)	[81.547]	11	(0.78)	[78.390]	5.5	(0.79)	[79.365]	7.5	(0.78)	[77.519]
Cobalt	2.6 @	(0.82)	[81.547]	3 @	(0.78)	[78.390]	1.7 @	(0.79)	[79.365]	2.7 @	(0.78)	[77.519]
Copper	3.3 @	(1.6)	[81.547]	5.3 @	(1.6)	[78.390]	2 @	(1.6)	[79.365]	3.5 @	(1.6)	[77.519]
Iron	4900	(4.1)	[81.547]	8800	(3.9)	[78.390]	4300	(4)	[79.365]	5900	(3.9)	[77.519]
Lead	ND	(4.1)	[81.547]	9 @	(3.9)	[78.390]	ND	(4)	[79.365]	1 @	(3.9)	[77.519]
Magnesium	2300	(82)	[81.547]	1500	(78)	[78.390]	4600	(79)	[79.365]	3400	(78)	[77.519]
Manganese	48	(0.82)	[81.547]	140	(0.78)	[78.390]	40	(0.79)	[79.365]	84	(0.78)	[77.519]
Molybdenum	0.3 @	(4.1)	[81.547]	0.31 @	(3.9)	[78.390]	0.004 @	(4)	[79.365]	0.53 @	(3.9)	[77.519]
Nickel	6.1 @	(1.6)	[81.547]	7 @	(1.6)	[78.390]	4.6 @	(1.6)	[79.365]	6.8 @	(1.6)	[77.519]
Potassium	1300	(240)	[81.547]	2100	(240)	[78.390]	1500	(240)	[79.365]	1800	(230)	[77.519]
Selenium	ND	(24)	[81.547]	0.79 @	(24)	[78.390]	2.3 @	(24)	[79.365]	ND	(23)	[77.519]
Silver	ND	(0.82)	[81.547]	ND	(0.78)	[78.390]	ND	(0.79)	[79.365]	ND	(0.78)	[77.519]
Sodium	62 @	(82)	[81.547]	40 @	(78)	[78.390]	380 @	(79)	[79.365]	95 @	(78)	[77.519]
Thallium	2.7 @	(8.2)	[81.547]	1.3 @	(7.8)	[78.390]	1.4 @	(7.9)	[79.365]	3.6 @	(7.8)	[77.519]
Vanadium	12	(1.6)	[81.547]	19	(1.6)	[78.390]	12	(1.6)	[79.365]	17	(1.6)	[77.519]
Zinc	13	(1.6)	[81.547]	24	(1.6)	[78.390]	15	(1.6)	[79.365]	17	(1.6)	[77.519]
SW7041 - Antimony by AA (mg/kg)												
Antimony	0.05 @	(0.5)	[82.802]	NA			ND	(0.5)	[82.919]	0.14 @	(0.51)	[85.663]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 4B CAN97-4B-I 4 - 6			NONE 4B CAN97-4B-S 0 - 2			NONE 8A CAN97-8A-06 8 - 10			NONE 8A CAN97-8A-I 4 - 6		
SW7060 - Arsenic (mg/kg)												
Arsenic	0.48 @	(0.33)	[82.170]	2.9	(0.32)	[78.979]	ND	(0.32)	[79.936]	ND	(0.34)	[84.999]
SW7421 - Lead (mg/kg)												
Lead	6.3	(0.49)	[164.340]	8.3	(0.47)	[157.958]	4.1	(0.48)	[159.872]	5.7	(0.51)	[169.999]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.044)	[244.642]	ND	(0.053)	[291.783]	ND	(0.056)	[308.642]	0.044 @	(0.047)	[261.069]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.41)	[82.170]	0.33 @	(0.39)	[78.979]	ND	(0.4)	[79.936]	1.8 @	(0.42)	[84.999]
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.3	()	[1.000]	8.1	()	[1.000]	8.5	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8A CAN97-8A-S 0.5 - 1			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 8 - 10			NONE 8B CAN97-8B-03 14 - 16		
Percent moisture (%)												
Percent moisture	7.1	()	[1.000]	8.3	()	[1.000]	8.2	()	[1.000]	9.2	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	17000	(15)	[74.752]	8600	(150)	[729.927]	12000	(160)	[819.672]	12000	(16)	[79.806]
Antimony	ND	(30)	[299.007]	ND	(73)	[729.927]	ND	(82)	[819.672]	ND	(32)	[319.224]
Arsenic	ND	(22)	[74.752]	4.1 @	(22)	[72.993]	7.6 @	(25)	[81.967]	1.1 @	(24)	[79.806]
Barium	130	(0.75)	[74.752]	1700	(7.3)	[729.927]	810	(8.2)	[819.672]	190	(0.8)	[79.806]
Beryllium	0.55 @	(0.15)	[74.752]	0.36 @	(0.15)	[72.993]	0.57 @	(0.16)	[81.967]	0.6 @	(0.16)	[79.806]
Cadmium	0.87 @	(0.37)	[74.752]	0.39 @	(0.36)	[72.993]	0.31 @	(0.41)	[81.967]	0.026 @	(0.4)	[79.806]
Calcium	57000	(300)	[299.007]	210000	(730)	[729.927]	140000	(820)	[819.672]	72000	(320)	[319.224]
Chromium	14	(0.75)	[74.752]	6.1	(0.73)	[72.993]	7.2	(0.82)	[81.967]	8.4	(0.8)	[79.806]
Cobalt	3.7 @	(0.75)	[74.752]	2.5 @	(0.73)	[72.993]	3.3 @	(0.82)	[81.967]	2.7 @	(0.8)	[79.806]
Copper	13	(1.5)	[74.752]	5.1 @	(1.5)	[72.993]	3.4 @	(1.6)	[81.967]	3.5 @	(1.6)	[79.806]
Iron	11000	(3.7)	[74.752]	5700	(36)	[729.927]	7600	(41)	[819.672]	7600	(4)	[79.806]
Lead	11 @	(3.7)	[74.752]	1.6 @	(3.6)	[72.993]	2.8 @	(4.1)	[81.967]	2.1 @	(4)	[79.806]
Magnesium	2300	(75)	[74.752]	4300	(730)	[729.927]	5200	(820)	[819.672]	3900	(80)	[79.806]
Manganese	160	(0.75)	[74.752]	70	(7.3)	[729.927]	110	(8.2)	[819.672]	110	(0.8)	[79.806]
Molybdenum	0.49 @	(3.7)	[74.752]	0.61 @	(3.6)	[72.993]	0.27 @	(4.1)	[81.967]	ND	(4)	[79.806]
Nickel	10	(1.5)	[74.752]	6.4 @	(1.5)	[72.993]	7.6 @	(1.6)	[81.967]	7.2 @	(1.6)	[79.806]
Potassium	2900	(220)	[74.752]	1300	(220)	[72.993]	2300	(250)	[81.967]	2400	(240)	[79.806]
Selenium	3 @	(22)	[74.752]	ND	(22)	[72.993]	0.68 @	(25)	[81.967]	3.2 @	(24)	[79.806]
Silver	ND	(0.75)	[74.752]	ND	(0.73)	[72.993]	ND	(0.82)	[81.967]	ND	(0.8)	[79.806]
Sodium	57 @	(75)	[74.752]	95 @	(73)	[72.993]	380 @	(82)	[81.967]	330 @	(80)	[79.806]
Thallium	2 @	(7.5)	[74.752]	ND	(7.3)	[72.993]	0.013 @	(8.2)	[81.967]	ND	(8)	[79.806]
Vanadium	25	(1.5)	[74.752]	13	(1.5)	[72.993]	17	(1.6)	[81.967]	19	(1.6)	[79.806]
Zinc	53	(1.5)	[74.752]	85	(1.5)	[72.993]	19	(1.6)	[81.967]	21	(1.6)	[79.806]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			0.04 @	(0.47)	[79.023]	NA			NA		

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8A CAN97-8A-S 0.5 - 1			NONE 8B CAN97-8B-01 4 - 6			NONE 8B CAN97-8B-02 8 - 10			NONE 8B CAN97-8B-03 14 - 16		
SW7060 - Arsenic (mg/kg)												
Arsenic	0.023 @	(0.3)	[75.275]	0.93 @	(0.35)	[86.549]	1.6 @	(0.33)	[82.525]	2.8	(0.33)	[82.188]
SW7421 - Lead (mg/kg)												
Lead	14	(0.9)	[301.098]	6.2	(0.48)	[158.730]	5.8	(0.5)	[165.049]	6	(0.49)	[164.376]
SW7471 - Mercury (mg/kg)												
Mercury	0.024 @	(0.039)	[215.285]	ND	(0.043)	[237.068]	ND	(0.049)	[272.331]	ND	(0.047)	[262.219]
SW7740 - Selenium (mg/kg)												
Selenium	0.12 @	(0.38)	[75.275]	0.48 @	(0.43)	[86.549]	0.48 @	(0.41)	[82.525]	0.92 @	(0.41)	[82.188]
Soil pH (pH units)												
pH	8.1	()	[1.000]	8.5	()	[1.000]	8.8	()	[1.000]	8.4	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-04 19 - 21			NONE 8B CAN97-8B-05 24 - 26			NONE 8B CAN97-8B-06 29 - 31			NONE 8B CAN97-8B-07 34 - 36		
Percent moisture (%)												
Percent moisture	9.2	()	[1.000]	9.7	()	[1.000]	6.3	()	[1.000]	5.4	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	8900	(17)	[84.070]	8800	(17)	[83.265]	6800	(15)	[73.098]	4700	(18)	[89.286]
Antimony	ND	(34)	[336.281]	ND	(33)	[333.059]	ND	(29)	[292.393]	ND @	(8.9)	[89.286]
Arsenic	2.1 @	(25)	[84.070]	3.1 @	(25)	[83.265]	1.8 @	(22)	[73.098]	0.34 @	(27)	[89.286]
Barium	190	(0.84)	[84.070]	760	(0.83)	[83.265]	56	(0.73)	[73.098]	62	(0.89)	[89.286]
Beryllium	0.31 @	(0.17)	[84.070]	0.24 @	(0.17)	[83.265]	0.2 @	(0.15)	[73.098]	0.15 @	(0.18)	[89.286]
Cadmium	ND	(0.42)	[84.070]	ND	(0.42)	[83.265]	ND	(0.37)	[73.098]	0.59 @	(0.45)	[89.286]
Calcium	140000	(340)	[336.281]	110000	(330)	[333.059]	68000	(290)	[292.393]	61000	(890)	[893.000]
Chromium	7.4	(0.84)	[84.070]	6.5	(0.83)	[83.265]	5.4	(0.73)	[73.098]	3.9 @	(0.89)	[89.286]
Cobalt	1.7 @	(0.84)	[84.070]	1.7 @	(0.83)	[83.265]	0.94 @	(0.73)	[73.098]	0.53 @	(0.89)	[89.286]
Copper	1.7 @	(1.7)	[84.070]	2.1 @	(1.7)	[83.265]	0.93 @	(1.5)	[73.098]	1.1 @	(1.8)	[89.286]
Iron	5200	(4.2)	[84.070]	4700	(4.2)	[83.265]	4400	(3.7)	[73.098]	3400	(4.5)	[89.286]
Lead	ND	(4.2)	[84.070]	ND	(4.2)	[83.265]	ND	(3.7)	[73.098]	ND @	(4.5)	[89.286]
Magnesium	5900	(84)	[84.070]	8100	(83)	[83.265]	3300	(73)	[73.098]	4000	(89)	[89.286]
Manganese	46	(0.84)	[84.070]	39	(0.83)	[83.265]	33	(0.73)	[73.098]	30	(0.89)	[89.286]
Molybdenum	0.31 @	(4.2)	[84.070]	0.17 @	(4.2)	[83.265]	ND	(3.7)	[73.098]	ND @	(4.5)	[89.286]
Nickel	4.7 @	(1.7)	[84.070]	4.9 @	(1.7)	[83.265]	3.6 @	(1.5)	[73.098]	3.8 @	(1.8)	[89.286]
Potassium	1700	(250)	[84.070]	1700	(250)	[83.265]	1300	(220)	[73.098]	920 @	(270)	[89.286]
Selenium	2.6 @	(25)	[84.070]	ND	(25)	[83.265]	4.4 @	(22)	[73.098]	ND @	(27)	[89.286]
Silver	ND	(0.84)	[84.070]	ND	(0.83)	[83.265]	ND	(0.73)	[73.098]	ND @	(0.89)	[89.286]
Sodium	260 @	(84)	[84.070]	240 @	(83)	[83.265]	140 @	(73)	[73.098]	110 @	(89)	[89.286]
Thallium	1.1 @	(8.4)	[84.070]	ND	(8.3)	[83.265]	2.6 @	(7.3)	[73.098]	0.44 @	(8.9)	[89.286]
Vanadium	17	(1.7)	[84.070]	13	(1.7)	[83.265]	9.3	(1.5)	[73.098]	7.8 @	(1.8)	[89.286]
Zinc	13	(1.7)	[84.070]	9.3	(1.7)	[83.265]	8.6	(1.5)	[73.098]	6.4 @	(1.8)	[89.286]
SW7060 - Arsenic (mg/kg)												
Arsenic	0.2 @	(0.33)	[83.434]	1.6 @	(0.34)	[83.895]	1.4 @	(0.3)	[74.114]	1.5 @	(0.35)	[87.362]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-04 19 - 21			NONE 8B CAN97-8B-05 24 - 26			NONE 8B CAN97-8B-06 29 - 31			NONE 8B CAN97-8B-07 34 - 36		
SW7421 - Lead (mg/kg)												
Lead	2.6	(0.25)	[83.434]	2.6	(0.25)	[83.895]	2.5	(0.22)	[74.114]	2	(0.26)	[87.362]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.05)	[275.330]	ND	(0.055)	[307.617]	ND	(0.053)	[296.454]	0.017 @	(0.043)	[240.246]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.42)	[83.434]	0.26 @	(0.42)	[83.895]	ND	(0.37)	[74.114]	ND	(0.44)	[87.362]
Soil pH (pH units)												
pH	8.1	()	[1.000]	8.2	()	[1.000]	8.4	()	[1.000]	7.5	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-08 39 - 41			NONE 8B CAN97-8B-09 44 - 46			NONE 8B CAN97-8B-10 49 - 51			NONE 8B CAN97-8B-11 54 - 56		
Percent moisture (%)												
Percent moisture	5.5	()	[1.000]	4.6	()	[1.000]	7.4	()	[1.000]	5.6	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	5200	(15)	[72.979]	4000	(15)	[75.958]	4400	(16)	[79.405]	3900	(15)	[76.210]
Antimony	1.2 @	(7.3)	[72.979]	0.18 @	(7.6)	[75.958]	ND	(7.9)	[79.405]	ND	(7.6)	[76.210]
Arsenic	ND	(22)	[72.979]	ND	(23)	[75.958]	ND	(24)	[79.405]	0.4 @	(23)	[76.210]
Barium	22	(0.73)	[72.979]	14	(0.76)	[75.958]	20	(0.79)	[79.405]	15	(0.76)	[76.210]
Beryllium	0.18 @	(0.15)	[72.979]	0.15 @	(0.15)	[75.958]	0.15 @	(0.16)	[79.405]	0.14 @	(0.15)	[76.210]
Cadmium	0.045 @	(0.36)	[72.979]	0.02 @	(0.38)	[75.958]	0.22 @	(0.4)	[79.405]	0.011 @	(0.38)	[76.210]
Calcium	15000	(73)	[72.979]	12000	(76)	[75.958]	26000	(79)	[79.405]	11000	(76)	[76.210]
Chromium	5	(0.73)	[72.979]	4.6	(0.76)	[75.958]	4.7	(0.79)	[79.405]	4.3	(0.76)	[76.210]
Cobalt	1.5 @	(0.73)	[72.979]	1.1 @	(0.76)	[75.958]	2.1 @	(0.79)	[79.405]	1.3 @	(0.76)	[76.210]
Copper	1 @	(1.5)	[72.979]	0.98 @	(1.5)	[75.958]	1.1 @	(1.6)	[79.405]	1 @	(1.5)	[76.210]
Iron	4200	(3.6)	[72.979]	3700	(3.8)	[75.958]	3700	(4)	[79.405]	3600	(3.8)	[76.210]
Lead	0.61 @	(3.6)	[72.979]	0.69 @	(3.8)	[75.958]	0.15 @	(4)	[79.405]	4.4 @	(3.8)	[76.210]
Magnesium	3300	(73)	[72.979]	3100	(76)	[75.958]	4200	(79)	[79.405]	2800	(76)	[76.210]
Manganese	48	(0.73)	[72.979]	34	(0.76)	[75.958]	65	(0.79)	[79.405]	43	(0.76)	[76.210]
Molybdenum	0.11 @	(3.6)	[72.979]	0.43 @	(3.8)	[75.958]	0.31 @	(4)	[79.405]	ND	(3.8)	[76.210]
Nickel	3.5 @	(1.5)	[72.979]	3.2 @	(1.5)	[75.958]	3.5 @	(1.6)	[79.405]	2.9 @	(1.5)	[76.210]
Potassium	1100	(220)	[72.979]	850 @	(230)	[75.958]	750 @	(240)	[79.405]	720 @	(230)	[76.210]
Selenium	0.94 @	(22)	[72.979]	ND	(23)	[75.958]	ND	(24)	[79.405]	2.7 @	(23)	[76.210]
Silver	ND	(0.73)	[72.979]	ND	(0.76)	[75.958]	ND	(0.79)	[79.405]	ND	(0.76)	[76.210]
Sodium	66 @	(73)	[72.979]	48 @	(76)	[75.958]	44 @	(79)	[79.405]	41 @	(76)	[76.210]
Thallium	0.18 @	(7.3)	[72.979]	2.1 @	(7.6)	[75.958]	ND	(7.9)	[79.405]	1.4 @	(7.6)	[76.210]
Vanadium	11	(1.5)	[72.979]	11	(1.5)	[75.958]	12	(1.6)	[79.405]	11	(1.5)	[76.210]
Zinc	8.8	(1.5)	[72.979]	7.5	(1.5)	[75.958]	8.2	(1.6)	[79.405]	6.3 @	(1.5)	[76.210]
SW7060 - Arsenic (mg/kg)												
Arsenic	1.8	(0.3)	[74.521]	1.4 @	(0.3)	[75.411]	1.4 @	(0.32)	[79.994]	1.9	(0.31)	[76.763]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-08 39 - 41			NONE 8B CAN97-8B-09 44 - 46			NONE 8B CAN97-8B-10 49 - 51			NONE 8B CAN97-8B-11 54 - 56		
SW7421 - Lead (mg/kg)												
Lead	2.3	(0.22)	[74.521]	3.2	(0.23)	[75.411]	3.6	(0.24)	[79.994]	2.3	(0.23)	[76.763]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.053)	[293.945]	ND	(0.043)	[238.231]	ND	(0.044)	[245.435]	ND	(0.043)	[240.755]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.37)	[74.521]	ND	(0.38)	[75.411]	0.014 @	(0.4)	[79.994]	ND	(0.38)	[76.763]
Soil pH (pH units)												
pH	8.3	()	[1.000]	7.9	()	[1.000]	7.7	()	[1.000]	7.6	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-13 64 - 66			NONE BG CAN97-BG-01 0 - 2		
Percent moisture (%)												
Percent moisture	1.8	()	[1.000]	2	()	[1.000]	5.2	()	[1.000]	8	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	1900	(17)	[84.746]	2000	(17)	[84.746]	3500	(15)	[72.748]	9300	(16)	[78.125]
Antimony	ND @	(8.5)	[84.746]	ND @	(8.5)	[84.746]	ND	(7.3)	[72.748]	ND	(31)	[312.500]
Arsenic	ND @	(25)	[84.746]	ND @	(25)	[84.746]	ND	(22)	[72.748]	1.8 @	(23)	[78.125]
Barium	29	(0.85)	[84.746]	38	(0.85)	[84.746]	15	(0.73)	[72.748]	170	(0.78)	[78.125]
Beryllium	0.087 @	(0.17)	[84.746]	0.082 @	(0.17)	[84.746]	0.12 @	(0.15)	[72.748]	0.41 @	(0.16)	[78.125]
Cadmium	0.094 @	(0.42)	[84.746]	0.17 @	(0.42)	[84.746]	0.0022 @	(0.36)	[72.748]	0.33 @	(0.39)	[78.125]
Calcium	9300	(85)	[84.746]	11000	(85)	[84.746]	9400	(73)	[72.748]	79000	(310)	[312.500]
Chromium	2 @	(0.85)	[84.746]	2.2 @	(0.85)	[84.746]	3.9	(0.73)	[72.748]	7.6	(0.78)	[78.125]
Cobalt	0.42 @	(0.85)	[84.746]	0.53 @	(0.85)	[84.746]	1.3 @	(0.73)	[72.748]	3.2 @	(0.78)	[78.125]
Copper	0.67 @	(1.7)	[84.746]	0.82 @	(1.7)	[84.746]	1.2 @	(1.5)	[72.748]	5 @	(1.6)	[78.125]
Iron	2200	(4.2)	[84.746]	2200	(4.2)	[84.746]	3800	(3.6)	[72.748]	6800	(3.9)	[78.125]
Lead	ND @	(4.2)	[84.746]	0.82 @	(4.2)	[84.746]	0.31 @	(3.6)	[72.748]	3.7 @	(3.9)	[78.125]
Magnesium	1100	(85)	[84.746]	1200	(85)	[84.746]	1800	(73)	[72.748]	2300	(78)	[78.125]
Manganese	23	(0.85)	[84.746]	27	(0.85)	[84.746]	45	(0.73)	[72.748]	140	(0.78)	[78.125]
Molybdenum	ND @	(4.2)	[84.746]	ND @	(4.2)	[84.746]	0.19 @	(3.6)	[72.748]	0.6 @	(3.9)	[78.125]
Nickel	2.9 @	(1.7)	[84.746]	2.2 @	(1.7)	[84.746]	3.3 @	(1.5)	[72.748]	14 @	(6.2)	[312.500]
Potassium	360 @	(250)	[84.746]	370 @	(250)	[84.746]	590 @	(220)	[72.748]	1500	(230)	[78.125]
Selenium	1.6 @	(25)	[84.746]	2.3 @	(25)	[84.746]	1.8 @	(22)	[72.748]	ND	(23)	[78.125]
Silver	ND @	(0.85)	[84.746]	ND @	(0.85)	[84.746]	ND	(0.73)	[72.748]	ND	(0.78)	[78.125]
Sodium	16 @	(85)	[84.746]	25 @	(85)	[84.746]	28 @	(73)	[72.748]	48 @	(78)	[78.125]
Thallium	ND @	(8.5)	[84.746]	2.6 @	(8.5)	[84.746]	ND	(7.3)	[72.748]	ND	(7.8)	[78.125]
Vanadium	5.6 @	(1.7)	[84.746]	5.5 @	(1.7)	[84.746]	10	(1.5)	[72.748]	18	(1.6)	[78.125]
Zinc	3.7 @	(1.7)	[84.746]	3.8 @	(1.7)	[84.746]	6.9 @	(1.5)	[72.748]	16	(1.6)	[78.125]
SW7060 - Arsenic (mg/kg)												
Arsenic	0.85 @	(0.34)	[84.160]	1 @	(0.35)	[88.731]	1.8	(0.29)	[73.254]	4.9	(0.33)	[81.726]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 8B CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-99 Dup of CAN97-8B-12 59 - 61			NONE 8B CAN97-8B-13 64 - 66			NONE BG CAN97-BG-01 0 - 2		
SW7421 - Lead (mg/kg)												
Lead	1.7	(0.25)	[84.160]	2.6	(0.26)	[86.475]	2.6	(0.22)	[73.254]	9.7	(0.98)	[326.904]
SW7471 - Mercury (mg/kg)												
Mercury	0.02 @	(0.046)	[254.582]	0.018 @	(0.037)	[204.082]	ND	(0.05)	[277.593]	0.023 @	(0.051)	[286.041]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.42)	[84.160]	ND	(0.43)	[86.475]	ND	(0.37)	[73.254]	0.78 @	(0.41)	[81.726]
Soil pH (pH units)												
pH	7.5	()	[1.000]	8.5	()	[1.000]	8.5	()	[1.000]	8.2	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-99 Dup of CAN97-BG-01 0 - 2			NONE BG CAN97-BG-02 4 - 6			NONE BG CAN97-BG-03 9 - 11			NONE BG CAN97-BG-04 17 - 19		
Percent moisture (%)												
Percent moisture	7.7	()	[1.000]	10	()	[1.000]	7.5	()	[1.000]	7.6	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	8900	(14)	[71.429]	11000	(16)	[81.967]	7200	(16)	[78.125]	5800	(15)	[73.529]
Antimony	ND	(29)	[285.714]	ND	(66)	[656.000]	ND	(31)	[312.500]	ND	(59)	[588.000]
Arsenic	5.7 @	(21)	[71.429]	ND	(25)	[81.967]	4.3 @	(23)	[78.125]	0.44 @	(22)	[73.529]
Barium	160	(0.71)	[71.429]	300	(0.82)	[81.967]	96	(0.78)	[78.125]	150	(0.74)	[73.529]
Beryllium	0.34 @	(0.14)	[71.429]	0.48 @	(0.16)	[81.967]	0.31 @	(0.16)	[78.125]	0.19 @	(0.15)	[73.529]
Cadmium	ND	(0.36)	[71.429]	0.3 @	(0.41)	[81.967]	0.28 @	(0.39)	[78.125]	0.2 @	(0.37)	[73.529]
Calcium	95000	(290)	[285.714]	180000	(660)	[656.000]	100000	(310)	[312.500]	220000	(590)	[588.000]
Chromium	7.2	(0.71)	[71.429]	6.5	(0.82)	[81.967]	5.5	(0.78)	[78.125]	4	(0.74)	[73.529]
Cobalt	3 @	(0.71)	[71.429]	2.2 @	(0.82)	[81.967]	1.9 @	(0.78)	[78.125]	1.6 @	(0.74)	[73.529]
Copper	4.8 @	(1.4)	[71.429]	3.4 @	(1.6)	[81.967]	2.1 @	(1.6)	[78.125]	1.7 @	(1.5)	[73.529]
Iron	6300	(3.6)	[71.429]	6000	(4.1)	[81.967]	4600	(3.9)	[78.125]	3200	(3.7)	[73.529]
Lead	0.95 @	(3.6)	[71.429]	ND	(4.1)	[81.967]	ND	(3.9)	[78.125]	ND	(3.7)	[73.529]
Magnesium	2400	(71)	[71.429]	3400	(82)	[81.967]	2600	(78)	[78.125]	2900	(74)	[73.529]
Manganese	140	(0.71)	[71.429]	48	(0.82)	[81.967]	43	(0.78)	[78.125]	25	(0.74)	[73.529]
Molybdenum	0.41 @	(3.6)	[71.429]	0.13 @	(4.1)	[81.967]	0.3 @	(3.9)	[78.125]	0.075 @	(3.7)	[73.529]
Nickel	11 @	(5.7)	[285.714]	7.6 @	(1.6)	[81.967]	9.6 @	(6.2)	[312.500]	5 @	(1.5)	[73.529]
Potassium	1500	(210)	[71.429]	1700	(250)	[81.967]	1600	(230)	[78.125]	1200	(220)	[73.529]
Selenium	ND	(21)	[71.429]	ND	(25)	[81.967]	ND	(23)	[78.125]	ND	(22)	[73.529]
Silver	ND	(0.71)	[71.429]	ND	(0.82)	[81.967]	ND	(0.78)	[78.125]	ND	(0.74)	[73.529]
Sodium	45 @	(71)	[71.429]	100 @	(82)	[81.967]	210 @	(78)	[78.125]	200 @	(74)	[73.529]
Thallium	1.2 @	(7.1)	[71.429]	2.2 @	(8.2)	[81.967]	ND	(7.8)	[78.125]	ND	(7.4)	[73.529]
Vanadium	16	(1.4)	[71.429]	17	(1.6)	[81.967]	11	(1.6)	[78.125]	9	(1.5)	[73.529]
Zinc	15	(1.4)	[71.429]	15	(1.6)	[81.967]	12	(1.6)	[78.125]	8.7	(1.5)	[73.529]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			0.069 @	(0.52)	[86.806]	NA			0.0079 @	(0.47)	[78.996]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-99 Dup of CAN97-BG-01 0 - 2			NONE BG CAN97-BG-02 4 - 6			NONE BG CAN97-BG-03 9 - 11			NONE BG CAN97-BG-04 17 - 19		
SW7060 - Arsenic (mg/kg)												
Arsenic	5.3	(0.34)	[83.986]	6.9	(0.6)	[150.150]	3.4	(0.3)	[75.075]	4	(0.33)	[83.250]
SW7421 - Lead (mg/kg)												
Lead	8.6	(1)	[335.945]	4.2	(0.23)	[75.075]	3.7	(0.23)	[75.075]	2.6	(0.25)	[83.250]
SW7471 - Mercury (mg/kg)												
Mercury	0.024 @	(0.049)	[270.856]	0.061 @	(0.053)	[292.398]	0.043 @	(0.051)	[284.495]	0.062 @	(0.046)	[257.679]
SW7740 - Selenium (mg/kg)												
Selenium	0.49 @	(0.42)	[83.986]	0.73 @	(0.38)	[75.075]	0.78 @	(0.38)	[75.075]	0.49 @	(0.42)	[83.250]
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.5	()	[1.000]	8.6	()	[1.000]	8.3	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
Percent moisture (%)												
Percent moisture	5.6	()	[1.000]	5	()	[1.000]	5.5	()	[1.000]	7.4	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	9000	(15)	[74.627]	5100	(16)	[77.519]	4900	(15)	[73.529]	5600	(17)	[84.034]
Antimony	ND	(30)	[298.000]	ND	(31)	[310.078]	ND	(29)	[294.118]	ND	(34)	[336.000]
Arsenic	ND	(22)	[74.627]	1 @	(23)	[77.519]	0.21 @	(22)	[73.529]	2 @	(25)	[84.034]
Barium	62	(0.75)	[74.627]	860	(0.78)	[77.519]	140	(0.74)	[73.529]	260	(0.84)	[84.034]
Beryllium	0.29 @	(0.15)	[74.627]	0.15 @	(0.16)	[77.519]	0.16 @	(0.15)	[73.529]	0.18 @	(0.17)	[84.034]
Cadmium	0.16 @	(0.37)	[74.627]	0.27 @	(0.39)	[77.519]	0.23 @	(0.37)	[73.529]	0.45 @	(0.42)	[84.034]
Calcium	83000	(300)	[298.000]	69000	(310)	[310.078]	39000	(290)	[294.118]	47000	(340)	[336.000]
Chromium	6.7	(0.75)	[74.627]	4.2	(0.78)	[77.519]	4.2	(0.74)	[73.529]	5.4	(0.84)	[84.034]
Cobalt	1.9 @	(0.75)	[74.627]	1.5 @	(0.78)	[77.519]	1.3 @	(0.74)	[73.529]	2 @	(0.84)	[84.034]
Copper	2.1 @	(1.5)	[74.627]	2 @	(1.6)	[77.519]	1.3 @	(1.5)	[73.529]	2.3 @	(1.7)	[84.034]
Iron	5600	(3.7)	[74.627]	3600	(3.9)	[77.519]	3600	(3.7)	[73.529]	4400	(4.2)	[84.034]
Lead	ND	(3.7)	[74.627]	ND	(3.9)	[77.519]	ND	(3.7)	[73.529]	1.4 @	(4.2)	[84.034]
Magnesium	3000	(75)	[74.627]	5400	(78)	[77.519]	4500	(74)	[73.529]	7700	(84)	[84.034]
Manganese	54	(0.75)	[74.627]	34	(0.78)	[77.519]	36	(0.74)	[73.529]	52	(0.84)	[84.034]
Molybdenum	0.36 @	(3.7)	[74.627]	0.36 @	(3.9)	[77.519]	0.33 @	(3.7)	[73.529]	0.12 @	(4.2)	[84.034]
Nickel	7.9 @	(6)	[298.000]	7.9 @	(6.2)	[310.078]	6.4 @	(5.9)	[294.118]	8.1 @	(6.7)	[336.000]
Potassium	2000	(220)	[74.627]	1200	(230)	[77.519]	1100	(220)	[73.529]	1300	(250)	[84.034]
Selenium	ND	(22)	[74.627]	ND	(23)	[77.519]	ND	(22)	[73.529]	ND	(25)	[84.034]
Silver	ND	(0.75)	[74.627]	ND	(0.78)	[77.519]	ND	(0.74)	[73.529]	ND	(0.84)	[84.034]
Sodium	190 @	(75)	[74.627]	120 @	(78)	[77.519]	97 @	(74)	[73.529]	110 @	(84)	[84.034]
Thallium	ND	(7.5)	[74.627]	ND	(7.8)	[77.519]	ND	(7.4)	[73.529]	ND	(8.4)	[84.034]
Vanadium	14	(1.5)	[74.627]	10	(1.6)	[77.519]	9.9	(1.5)	[73.529]	15	(1.7)	[84.034]
Zinc	13	(1.5)	[74.627]	7.8 @	(1.6)	[77.519]	7.2 @	(1.5)	[73.529]	8.5	(1.7)	[84.034]
SW7060 - Arsenic (mg/kg)												
Arsenic	3.4	(0.29)	[72.556]	2.7	(0.29)	[72.098]	1.9	(0.32)	[80.779]	1.8	(0.3)	[74.477]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-05 19 - 21			NONE BG CAN97-BG-07 32 - 34			NONE BG CAN97-BG-08 34 - 36			NONE BG CAN97-BG-09 39 - 41		
SW7421 - Lead (mg/kg)												
Lead	3.2	(0.22)	[72.556]	2	(0.22)	[72.098]	2.3	(0.24)	[80.779]	2.9	(0.22)	[74.477]
SW7471 - Mercury (mg/kg)												
Mercury	0.031 @	(0.05)	[278.769]	0.043 @	(0.043)	[239.234]	0.044 @	(0.041)	[230.044]	0.045 @	(0.054)	[299.976]
SW7740 - Selenium (mg/kg)												
Selenium	0.18 @	(0.36)	[72.556]	0.55 @	(0.36)	[72.098]	0.0016 @	(0.4)	[80.779]	0.071 @	(0.37)	[74.477]
Soil pH (pH units)												
pH	8.3	()	[1.000]	8.5	()	[1.000]	8.6	()	[1.000]	8.4	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
Percent moisture (%)												
Percent moisture	7.6	()	[1.000]	2.2	()	[1.000]	2	()	[1.000]	1.4	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	4500	(17)	[84.034]	2100	(15)	[74.074]	1900	(16)	[78.125]	1800	(15)	[74.627]
Antimony	ND	(8.4)	[84.034]	1.5 @	(7.4)	[74.074]	ND	(7.8)	[78.125]	4.6 @	(7.5)	[74.627]
Arsenic	1.9 @	(25)	[84.034]	ND	(22)	[74.074]	ND	(23)	[78.125]	ND	(22)	[74.627]
Barium	19	(0.84)	[84.034]	7.6	(0.74)	[74.074]	9.4	(0.78)	[78.125]	9.7	(0.75)	[74.627]
Beryllium	0.15 @	(0.17)	[84.034]	0.084 @	(0.15)	[74.074]	0.073 @	(0.16)	[78.125]	0.07 @	(0.15)	[74.627]
Cadmium	0.3 @	(0.42)	[84.034]	0.065 @	(0.37)	[74.074]	0.39 @	(0.39)	[78.125]	0.12 @	(0.37)	[74.627]
Calcium	37000	(84)	[84.034]	400	(74)	[74.074]	2100	(78)	[78.125]	530	(75)	[74.627]
Chromium	4.3	(0.84)	[84.034]	2.2 @	(0.74)	[74.074]	1.6 @	(0.78)	[78.125]	1.6 @	(0.75)	[74.627]
Cobalt	1 @	(0.84)	[84.034]	0.57 @	(0.74)	[74.074]	0.93 @	(0.78)	[78.125]	0.62 @	(0.75)	[74.627]
Copper	1.8 @	(1.7)	[84.034]	0.78 @	(1.5)	[74.074]	0.97 @	(1.6)	[78.125]	0.69 @	(1.5)	[74.627]
Iron	3500	(4.2)	[84.034]	2400	(3.7)	[74.074]	2100	(3.9)	[78.125]	2100	(3.7)	[74.627]
Lead	1 @	(4.2)	[84.034]	1.2 @	(3.7)	[74.074]	1.3 @	(3.9)	[78.125]	0.51 @	(3.7)	[74.627]
Magnesium	7200	(84)	[84.034]	1200	(74)	[74.074]	900	(78)	[78.125]	840	(75)	[74.627]
Manganese	32	(0.84)	[84.034]	17	(0.74)	[74.074]	21	(0.78)	[78.125]	23	(0.75)	[74.627]
Molybdenum	0.35 @	(4.2)	[84.034]	0.36 @	(3.7)	[74.074]	0.25 @	(3.9)	[78.125]	0.38 @	(3.7)	[74.627]
Nickel	3.9 @	(1.7)	[84.034]	2.6 @	(1.5)	[74.074]	1.9 @	(1.6)	[78.125]	1.6 @	(1.5)	[74.627]
Potassium	910 @	(250)	[84.034]	420 @	(220)	[74.074]	360 @	(230)	[78.125]	360 @	(220)	[74.627]
Selenium	ND	(25)	[84.034]	ND	(22)	[74.074]	ND	(23)	[78.125]	ND	(22)	[74.627]
Silver	ND	(0.84)	[84.034]	ND	(0.74)	[74.074]	ND	(0.78)	[78.125]	ND	(0.75)	[74.627]
Sodium	81 @	(84)	[84.034]	29 @	(74)	[74.074]	24 @	(78)	[78.125]	22 @	(75)	[74.627]
Thallium	ND	(8.4)	[84.034]	ND	(7.4)	[74.074]	ND	(7.8)	[78.125]	ND	(7.5)	[74.627]
Vanadium	14	(1.7)	[84.034]	6.6 @	(1.5)	[74.074]	5.2 @	(1.6)	[78.125]	5 @	(1.5)	[74.627]
Zinc	6.9 @	(1.7)	[84.034]	4.3 @	(1.5)	[74.074]	4.2 @	(1.6)	[78.125]	4 @	(1.5)	[74.627]
SW7060 - Arsenic (mg/kg)												
Arsenic	1.7	(0.29)	[72.150]	0.63 @	(0.28)	[69.558]	0.97 @	(0.3)	[75.030]	0.89 @	(0.32)	[79.858]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE BG CAN97-BG-10 44 - 46			NONE BG CAN97-BG-11 51 - 53			NONE BG CAN97-BG-12 56 - 58			NONE BG CAN97-BG-13 59 - 61		
SW7421 - Lead (mg/kg)												
Lead	2.2	(0.22)	[72.150]	1.2	(0.21)	[69.558]	1.6	(0.23)	[75.030]	1.5	(0.24)	[79.858]
SW7471 - Mercury (mg/kg)												
Mercury	0.034 @	(0.041)	[225.469]	0.041 @	(0.037)	[204.499]	0.027 @	(0.048)	[268.528]	0.037 @	(0.041)	[230.500]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.36)	[72.150]	ND	(0.35)	[69.558]	ND	(0.38)	[75.030]	ND	(0.4)	[79.858]
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.5	()	[1.000]	8.8	()	[1.000]	8.7	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
Percent moisture (%)												
Percent moisture	6.5	()	[1.000]	9.7	()	[1.000]	7.6	()	[1.000]	7.8	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	10000	(16)	[81.967]	12000	(170)	[862.069]	9600	(17)	[84.034]	7500	(160)	[813.008]
Antimony	2.9 @	(8.2)	[81.967]	ND	(86)	[862.069]	ND	(8.4)	[84.034]	ND	(81)	[813.008]
Arsenic	2.8 @	(25)	[81.967]	13 @	(26)	[86.207]	7.4 @	(25)	[84.034]	4.7 @	(24)	[81.301]
Barium	88	(0.82)	[81.967]	160	(8.6)	[862.069]	130	(0.84)	[84.034]	500	(8.1)	[813.008]
Beryllium	0.41 @	(0.16)	[81.967]	0.42 @	(0.17)	[86.207]	0.38 @	(0.17)	[84.034]	0.27 @	(0.16)	[81.301]
Cadmium	0.13 @	(0.41)	[81.967]	0.088 @	(0.43)	[86.207]	0.41 @	(0.42)	[84.034]	0.39 @	(0.41)	[81.301]
Calcium	12000	(82)	[81.967]	180000	(860)	[862.069]	160000	(340)	[336.000]	180000	(810)	[813.008]
Chromium	8.9	(0.82)	[81.967]	7.4	(0.86)	[86.207]	6.6	(0.84)	[84.034]	5.1	(0.81)	[81.301]
Cobalt	3 @	(0.82)	[81.967]	2.8 @	(0.86)	[86.207]	2.3 @	(0.84)	[84.034]	1.7 @	(0.81)	[81.301]
Copper	5.7 @	(1.6)	[81.967]	3.3 @	(1.7)	[86.207]	2.2 @	(1.7)	[84.034]	1.8 @	(1.6)	[81.301]
Iron	8200	(4.1)	[81.967]	7400	(43)	[862.069]	5300	(4.2)	[84.034]	5000	(41)	[813.008]
Lead	7.2 @	(4.1)	[81.967]	ND	(4.3)	[86.207]	2.2 @	(4.2)	[84.034]	ND	(4.1)	[81.301]
Magnesium	1500	(82)	[81.967]	4000 @	(860)	[862.069]	3300	(84)	[84.034]	4600	(810)	[813.008]
Manganese	120	(0.82)	[81.967]	68	(8.6)	[862.069]	52	(0.84)	[84.034]	31	(0.81)	[81.301]
Molybdenum	0.8 @	(4.1)	[81.967]	0.34 @	(4.3)	[86.207]	0.65 @	(4.2)	[84.034]	0.4 @	(4.1)	[81.301]
Nickel	7.1 @	(1.6)	[81.967]	7.3 @	(1.7)	[86.207]	5.4 @	(1.7)	[84.034]	6.2 @	(1.6)	[81.301]
Potassium	1800	(250)	[81.967]	1700	(260)	[86.207]	1800	(250)	[84.034]	1700	(240)	[81.301]
Selenium	1.1 @	(25)	[81.967]	ND	(26)	[86.207]	ND	(25)	[84.034]	0.82 @	(24)	[81.301]
Silver	ND	(0.82)	[81.967]	ND	(0.86)	[86.207]	ND	(0.84)	[84.034]	ND	(0.81)	[81.301]
Sodium	32 @	(82)	[81.967]	92 @	(86)	[86.207]	180 @	(84)	[84.034]	240 @	(81)	[81.301]
Thallium	ND	(8.2)	[81.967]	0.48 @	(8.6)	[86.207]	ND	(8.4)	[84.034]	1.5 @	(8.1)	[81.301]
Vanadium	17	(1.6)	[81.967]	18	(1.7)	[86.207]	14	(1.7)	[84.034]	11	(1.6)	[81.301]
Zinc	21	(1.6)	[81.967]	17	(1.7)	[86.207]	14	(1.7)	[84.034]	11	(1.6)	[81.301]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			NA			NA			0.053 @	(0.53)	[88.179]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-01 0 - 2			NONE 09 CAN97-09-02 4 - 6			NONE 09 CAN97-09-03 9 - 11			NONE 09 CAN97-09-04 14 - 16		
SW7060 - Arsenic (mg/kg)												
Arsenic	2.7	(0.35)	[87.666]	2.8	(0.35)	[87.891]	2.7	(0.35)	[87.278]	2.9	(0.31)	[78.029]
SW7421 - Lead (mg/kg)												
Lead	7.6	(0.53)	[175.331]	5.1	(0.53)	[175.781]	4	(0.26)	[87.278]	3.2	(0.23)	[78.029]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.051)	[281.452]	ND	(0.052)	[291.426]	ND	(0.044)	[245.966]	ND	(0.051)	[285.421]
SW7740 - Selenium (mg/kg)												
Selenium	0.22 @	(0.44)	[87.666]	0.6 @	(0.44)	[87.891]	ND	(0.44)	[87.278]	ND	(0.39)	[78.029]
Soil pH (pH units)												
pH	8.2	()	[1.000]	8.4	()	[1.000]	8.3	()	[1.000]	8.5	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-05 19 - 21			NONE 09 CAN97-09-06 24 - 26			NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26			NONE 09 CAN97-09-07 29 - 31		
Percent moisture (%)												
Percent moisture	5.6	()	[1.000]	5.8	()	[1.000]	5	()	[1.000]	7.5	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	6100	(160)	[813.008]	8500	(17)	[86.207]	8300	(17)	[86.957]	8600	(63)	[317.440]
Antimony	ND	(81)	[813.008]	ND @	(8.6)	[86.207]	ND @	(8.7)	[86.957]	ND	(32)	[317.440]
Arsenic	2 @	(24)	[81.300]	1.9 @	(26)	[86.207]	ND @	(26)	[86.957]	4.1 @	(24)	[79.365]
Barium	460	(8.1)	[813.008]	380	(0.86)	[86.207]	460	(0.87)	[86.957]	49	(3.2)	[317.440]
Beryllium	0.16 @	(0.16)	[81.300]	0.31 @	(0.17)	[86.207]	0.31 @	(0.17)	[86.957]	0.22 @	(0.16)	[79.365]
Cadmium	0.42 @	(0.41)	[81.300]	0.092 @	(0.43)	[86.207]	0.38 @	(0.43)	[86.957]	0.4 @	(0.4)	[79.365]
Calcium	220000	(810)	[813.008]	64000	(860)	[862.000]	54000	(870)	[870.000]	55000	(320)	[317.440]
Chromium	4.8	(0.81)	[81.300]	6.9	(0.86)	[86.207]	6.9	(0.87)	[86.957]	6	(0.79)	[79.365]
Cobalt	2 @	(0.81)	[81.300]	2.1 @	(0.86)	[86.207]	2 @	(0.87)	[86.957]	1.6 @	(0.79)	[79.365]
Copper	2.5 @	(1.6)	[81.300]	2.8 @	(1.7)	[86.207]	3.2 @	(1.7)	[86.957]	1.9 @	(1.6)	[79.365]
Iron	3500	(41)	[813.008]	6000	(4.3)	[86.207]	6000	(4.3)	[86.957]	5200	(16)	[317.440]
Lead	ND	(4.1)	[81.300]	2.4 @	(4.3)	[86.207]	3 @	(4.3)	[86.957]	4.2 @	(4)	[79.365]
Magnesium	9700	(810)	[813.008]	4600	(86)	[86.207]	4100	(87)	[86.957]	9200	(320)	[317.440]
Manganese	23	(0.81)	[81.300]	81	(0.86)	[86.207]	110	(0.87)	[86.957]	39	(3.2)	[317.440]
Molybdenum	0.18 @	(4.1)	[81.300]	0.078 @	(4.3)	[86.207]	ND @	(4.3)	[86.957]	ND	(16)	[317.440]
Nickel	4.8 @	(1.6)	[81.300]	6 @	(1.7)	[86.207]	6.2 @	(1.7)	[86.957]	4.9 @	(1.6)	[79.365]
Potassium	1100 @	(240)	[81.300]	1800	(260)	[86.207]	1700	(260)	[86.957]	1700	(240)	[79.365]
Selenium	ND	(24)	[81.300]	8.7 @	(26)	[86.207]	2.9 @	(26)	[86.957]	ND	(24)	[79.365]
Silver	ND	(0.81)	[81.300]	ND @	(0.86)	[86.207]	ND @	(0.87)	[86.957]	ND	(0.79)	[79.365]
Sodium	180 @	(81)	[81.300]	120 @	(86)	[86.207]	110 @	(87)	[86.957]	230 @	(79)	[79.365]
Thallium	ND	(8.1)	[81.300]	ND @	(8.6)	[86.207]	0.6 @	(8.7)	[86.957]	0.16 @	(7.9)	[79.365]
Vanadium	15	(1.6)	[81.300]	18	(1.7)	[86.207]	17	(1.7)	[86.957]	13	(1.6)	[79.365]
Zinc	7.3 @	(1.6)	[81.300]	14	(1.7)	[86.207]	15	(1.7)	[86.957]	11	(1.6)	[79.365]
SW7060 - Arsenic (mg/kg)												
Arsenic	2.9	(0.33)	[82.760]	3.5	(0.35)	[87.014]	3.3	(0.35)	[86.281]	2.2	(0.33)	[81.284]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-05 19 - 21			NONE 09 CAN97-09-06 24 - 26			NONE 09 CAN97-09-99 Dup of CAN97-09-06 24 - 26			NONE 09 CAN97-09-07 29 - 31		
SW7421 - Lead (mg/kg)												
Lead	2.1	(0.25)	[82.760]	3.8	(0.26)	[87.014]	3.7	(0.26)	[86.281]	2.8	(0.24)	[81.284]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.05)	[278.769]	0.02 @	(0.045)	[252.755]	0.025 @	(0.05)	[277.008]	ND	(0.046)	[257.400]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.41)	[82.760]	0.13 @	(0.44)	[87.014]	ND	(0.43)	[86.281]	0.54 @	(0.41)	[81.284]
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.4	()	[1.000]	7.6	()	[1.000]	8	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
Percent moisture (%)												
Percent moisture	6.5	()	[1.000]	5.9	()	[1.000]	7.8	()	[1.000]	4.9	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	5500	(62)	[310.000]	4700	(17)	[83.333]	4200	(16)	[81.967]	4500	(16)	[81.967]
Antimony	ND	(31)	[310.000]	ND	(8.3)	[83.333]	ND	(8.2)	[81.967]	ND	(8.2)	[81.967]
Arsenic	2.8 @	(23)	[77.519]	2.2 @	(25)	[83.333]	ND	(25)	[81.967]	4.9 @	(25)	[81.967]
Barium	88	(3.1)	[310.000]	23	(0.83)	[83.333]	170	(0.82)	[81.967]	38	(0.82)	[81.967]
Beryllium	0.14 @	(0.16)	[77.519]	0.14 @	(0.17)	[83.333]	0.13 @	(0.16)	[81.967]	0.14 @	(0.16)	[81.967]
Cadmium	0.3 @	(0.39)	[77.519]	0.081 @	(0.42)	[83.333]	0.45 @	(0.41)	[81.967]	0.52 @	(0.41)	[81.967]
Calcium	48000	(310)	[310.000]	28000	(83)	[83.333]	31000	(82)	[81.967]	24000	(82)	[81.967]
Chromium	4.5	(0.78)	[77.519]	4.4	(0.83)	[83.333]	4.8	(0.82)	[81.967]	6.2	(0.82)	[81.967]
Cobalt	1 @	(0.78)	[77.519]	1.2 @	(0.83)	[83.333]	1.3 @	(0.82)	[81.967]	1.3 @	(0.82)	[81.967]
Copper	2.4 @	(1.6)	[77.519]	1.3 @	(1.7)	[83.333]	1.7 @	(1.6)	[81.967]	1.5 @	(1.6)	[81.967]
Iron	3800	(16)	[310.000]	3700	(4.2)	[83.333]	3300	(4.1)	[81.967]	3800	(4.1)	[81.967]
Lead	3.3 @	(3.9)	[77.519]	1.6 @	(4.2)	[83.333]	3.7 @	(4.1)	[81.967]	4.5 @	(4.1)	[81.967]
Magnesium	9600	(310)	[310.000]	5800	(83)	[83.333]	8000	(82)	[81.967]	5400	(82)	[81.967]
Manganese	31	(3.1)	[310.000]	37	(0.83)	[83.333]	35	(0.82)	[81.967]	40	(0.82)	[81.967]
Molybdenum	0.48 @	(3.9)	[77.519]	0.41 @	(4.2)	[83.333]	0.31 @	(4.1)	[81.967]	0.5 @	(4.1)	[81.967]
Nickel	4 @	(1.6)	[77.519]	3.7 @	(1.7)	[83.333]	3.7 @	(1.6)	[81.967]	3.4 @	(1.6)	[81.967]
Potassium	1100 @	(230)	[77.519]	980 @	(250)	[83.333]	780 @	(250)	[81.967]	890 @	(250)	[81.967]
Selenium	ND	(23)	[77.519]	ND	(25)	[83.333]	ND	(25)	[81.967]	ND	(25)	[81.967]
Silver	ND	(0.78)	[77.519]	ND	(0.83)	[83.333]	ND	(0.82)	[81.967]	ND	(0.82)	[81.967]
Sodium	210 @	(78)	[77.519]	130 @	(83)	[83.333]	130 @	(82)	[81.967]	110 @	(82)	[81.967]
Thallium	ND	(7.8)	[77.519]	0.73 @	(8.3)	[83.333]	ND	(8.2)	[81.967]	ND	(8.2)	[81.967]
Vanadium	11	(1.6)	[77.519]	12	(1.7)	[83.333]	14	(1.6)	[81.967]	15	(1.6)	[81.967]
Zinc	8.6	(1.6)	[77.519]	7 @	(1.7)	[83.333]	7.9 @	(1.6)	[81.967]	7.3 @	(1.6)	[81.967]
SW7060 - Arsenic (mg/kg)												
Arsenic	1.7	(0.3)	[73.760]	1.1 @	(0.34)	[85.016]	1.1 @	(0.29)	[72.307]	1.6	(0.3)	[74.051]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2

RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-08 34 - 36			NONE 09 CAN97-09-09 39 - 41			NONE 09 CAN97-09-10 44 - 46			NONE 09 CAN97-09-11 49 - 53		
SW7421 - Lead (mg/kg)												
Lead	3.1	(0.44)	[147.520]	3.7	(0.51)	[170.032]	2.4	(0.22)	[72.307]	2.1	(0.22)	[74.051]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.048)	[267.380]	ND	(0.042)	[231.022]	ND	(0.049)	[271.150]	ND	(0.047)	[262.881]
SW7740 - Selenium (mg/kg)												
Selenium	0.24 @	(0.37)	[73.760]	0.054 @	(0.43)	[85.016]	0.087 @	(0.36)	[72.307]	ND	(0.37)	[74.051]
Soil pH (pH units)												
pH	8.3	()	[1.000]	8.5	()	[1.000]	8.2	()	[1.000]	8.4	()	[1.000]

Compiled: 2 February 1993

() = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6		
Percent moisture (%)												
Percent moisture	3	()	[1.000]	2.4	()	[1.000]	6.3	()	[1.000]	9.4	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	2900	(14)	[71.429]	1700	(15)	[73.529]	8300	(18)	[91.743]	6600	(140)	[708.000]
Antimony	ND	(7.1)	[71.429]	ND	(7.4)	[73.529]	ND	(9.2)	[91.743]	ND	(71)	[708.000]
Arsenic	1.1 @	(21)	[71.429]	0.026 @	(22)	[73.529]	ND	(28)	[91.743]	ND	(27)	[88.496]
Barium	14	(0.71)	[71.429]	12	(0.74)	[73.529]	84	(0.92)	[91.743]	290	(7.1)	[708.000]
Beryllium	0.098 @	(0.14)	[71.429]	0.071 @	(0.15)	[73.529]	0.36 @	(0.18)	[91.743]	0.3 @	(0.18)	[88.496]
Cadmium	0.34 @	(0.36)	[71.429]	0.18 @	(0.37)	[73.529]	0.35 @	(0.46)	[91.743]	0.24 @	(0.44)	[88.496]
Calcium	5700	(71)	[71.429]	2500	(74)	[73.529]	17000	(92)	[91.743]	210000	(710)	[708.000]
Chromium	3 @	(0.71)	[71.429]	2 @	(0.74)	[73.529]	8.2	(0.92)	[91.743]	3.9 @	(0.88)	[88.496]
Cobalt	1.2 @	(0.71)	[71.429]	0.68 @	(0.74)	[73.529]	2.6 @	(0.92)	[91.743]	1.7 @	(0.88)	[88.496]
Copper	0.81 @	(1.4)	[71.429]	0.85 @	(1.5)	[73.529]	4.8 @	(1.8)	[91.743]	1.9 @	(1.8)	[88.496]
Iron	2900	(3.6)	[71.429]	2300	(3.7)	[73.529]	7400	(4.6)	[91.743]	4000	(35)	[708.000]
Lead	3.2 @	(3.6)	[71.429]	2.9 @	(3.7)	[73.529]	8.5 @	(4.6)	[91.743]	ND	(4.4)	[88.496]
Magnesium	1700	(71)	[71.429]	910	(74)	[73.529]	1200	(92)	[91.743]	3900	(710)	[708.000]
Manganese	35	(0.71)	[71.429]	23	(0.74)	[73.529]	130	(0.92)	[91.743]	52	(7.1)	[708.000]
Molybdenum	ND	(3.6)	[71.429]	0.46 @	(3.7)	[73.529]	0.19 @	(4.6)	[91.743]	ND	(4.4)	[88.496]
Nickel	2.4 @	(1.4)	[71.429]	1.5 @	(1.5)	[73.529]	6.2 @	(1.8)	[91.743]	4.5 @	(1.8)	[88.496]
Potassium	540 @	(210)	[71.429]	310 @	(220)	[73.529]	1600	(280)	[91.743]	760 @	(270)	[88.496]
Selenium	ND	(21)	[71.429]	ND	(22)	[73.529]	ND	(28)	[91.743]	1.3 @	(27)	[88.496]
Silver	ND	(0.71)	[71.429]	ND	(0.74)	[73.529]	ND	(0.92)	[91.743]	ND	(0.88)	[88.496]
Sodium	64 @	(71)	[71.429]	50 @	(74)	[73.529]	37 @	(92)	[91.743]	85 @	(88)	[88.496]
Thallium	ND	(7.1)	[71.429]	ND	(7.4)	[73.529]	ND	(9.2)	[91.743]	ND	(8.8)	[88.496]
Vanadium	9	(1.4)	[71.429]	6 @	(1.5)	[73.529]	16	(1.8)	[91.743]	9.6	(1.8)	[88.496]
Zinc	5.1 @	(1.4)	[71.429]	4.5 @	(1.5)	[73.529]	22	(1.8)	[91.743]	9.3	(1.8)	[88.496]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			NA			NA			0.077 @	(0.51)	[85.562]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 09 CAN97-09-12 54 - 56			NONE 09 CAN97-09-13 59 - 61			NONE 10 CAN97-10-01 0 - 2			NONE 10 CAN97-10-02 4 - 6		
SW7060 - Arsenic (mg/kg)												
Arsenic	1.1 @	(0.29)	[73.115]	0.81 @	(0.33)	[81.317]	2.6	(0.38)	[94.446]	3.8	(0.38)	[94.338]
SW7421 - Lead (mg/kg)												
Lead	3	(0.22)	[73.115]	1.6	(0.24)	[81.317]	9.2	(0.57)	[188.891]	2.8	(0.28)	[94.338]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.037)	[206.186]	ND	(0.037)	[204.918]	0.02 @	(0.051)	[280.852]	0.017 @	(0.043)	[239.946]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.37)	[73.115]	0.033 @	(0.41)	[81.317]	ND	(0.47)	[94.446]	0.78 @	(0.47)	[94.338]
SW7841 - Thallium (mg/kg)												
Thallium	NA			NA			0.12 @	(0.47)	[94.446]	NA		
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.3	()	[1.000]	8.4	()	[1.000]	8.4	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-03 9 - 11			NONE 10 CAN97-10-04 14 - 16			NONE 10 CAN97-10-05 19 - 21			NONE 10 CAN97-10-99 Dup of CAN97-10-05 19 - 21		
Percent moisture (%)												
Percent moisture	7.3	()	[1.000]	9.7	()	[1.000]	12	()	[1.000]	11	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	8100	(75)	[377.359]	6400	(78)	[388.350]	6300	(82)	[408.163]	6200	(77)	[384.615]
Antimony	ND	(38)	[377.359]	ND	(39)	[388.350]	ND	(41)	[408.163]	ND	(38)	[384.615]
Arsenic	ND	(28)	[94.000]	3.3 @	(29)	[97.000]	1.7 @	(31)	[102.041]	ND	(29)	[96.154]
Barium	220	(3.8)	[377.359]	130	(3.9)	[388.350]	99	(4.1)	[408.163]	240	(3.8)	[384.615]
Beryllium	0.33 @	(0.19)	[94.000]	0.2 @	(0.19)	[97.000]	0.17 @	(0.2)	[102.041]	0.18 @	(0.19)	[96.154]
Cadmium	0.13 @	(0.47)	[94.000]	0.38 @	(0.48)	[97.000]	0.31 @	(0.51)	[102.041]	0.28 @	(0.48)	[96.154]
Calcium	68000	(380)	[377.359]	210000	(390)	[388.350]	160000	(410)	[408.163]	140000	(380)	[384.615]
Chromium	6.7	(0.94)	[94.000]	5.6	(0.97)	[97.000]	6.2	(1)	[102.041]	5.8	(0.96)	[96.154]
Cobalt	2.7 @	(0.94)	[94.000]	1.7 @	(0.97)	[97.000]	1.4 @	(1)	[102.041]	1.4 @	(0.96)	[96.154]
Copper	2.5 @	(1.9)	[94.000]	7.5 @	(1.9)	[97.000]	2 @	(2)	[102.041]	1.9 @	(1.9)	[96.154]
Iron	6800	(19)	[377.359]	4000	(19)	[388.350]	3800	(20)	[408.163]	3900	(19)	[384.615]
Lead	ND	(4.7)	[94.000]	ND	(4.8)	[97.000]	ND	(5.1)	[102.041]	ND	(4.8)	[96.154]
Magnesium	3000	(380)	[377.359]	5200	(390)	[388.350]	12000	(410)	[408.163]	11000	(380)	[384.615]
Manganese	100	(3.8)	[377.359]	36	(3.9)	[388.350]	31	(4.1)	[408.163]	34	(3.8)	[384.615]
Molybdenum	0.38 @	(4.7)	[94.000]	0.084 @	(4.8)	[97.000]	0.0065 @	(5.1)	[102.041]	ND	(4.8)	[96.154]
Nickel	4.7 @	(1.9)	[94.000]	3.9 @	(1.9)	[97.000]	3.8 @	(2)	[102.041]	3.9 @	(1.9)	[96.154]
Potassium	1600	(280)	[94.000]	1100 @	(290)	[97.000]	1100 @	(310)	[102.041]	990 @	(290)	[96.154]
Selenium	3.4 @	(28)	[94.000]	ND	(29)	[97.000]	ND	(31)	[102.041]	4.9 @	(29)	[96.154]
Silver	ND	(0.94)	[94.000]	ND	(0.97)	[97.000]	ND	(1)	[102.041]	ND	(0.96)	[96.154]
Sodium	170 @	(94)	[94.000]	210 @	(97)	[97.000]	240 @	(100)	[102.041]	230 @	(96)	[96.154]
Thallium	0.93 @	(9.4)	[94.000]	3.7 @	(9.7)	[97.000]	2.1 @	(10)	[102.041]	3.3 @	(9.6)	[96.154]
Vanadium	16	(1.9)	[94.000]	10	(1.9)	[97.000]	18	(2)	[102.041]	18	(1.9)	[96.154]
Zinc	15	(1.9)	[94.000]	9.3 @	(1.9)	[97.000]	7.5 @	(2)	[102.041]	8.2 @	(1.9)	[96.154]
SW7060 - Arsenic (mg/kg)												
Arsenic	2	(0.36)	[89.153]	5	(0.38)	[93.849]	4	(0.36)	[90.188]	3.8	(0.38)	[95.220]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-03 9 - 11			NONE 10 CAN97-10-04 14 - 16			NONE 10 CAN97-10-05 19 - 21			NONE 10 CAN97-10-99 Dup of CAN97-10-05 19 - 21		
SW7421 - Lead (mg/kg)												
Lead	3.8	(0.27)	[89.153]	1.9	(0.28)	[93.849]	1.8	(0.27)	[90.188]	2.2	(0.29)	[95.220]
SW7471 - Mercury (mg/kg)												
Mercury	0.017 @	(0.039)	[215.750]	0.018 @	(0.042)	[230.712]	0.016 @	(0.046)	[258.264]	0.011 @	(0.048)	[267.523]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.45)	[89.153]	1.6 @	(0.47)	[93.849]	0.36 @	(0.45)	[90.188]	0.17 @	(0.48)	[95.220]
Soil pH (pH units)												
pH	8.7	()	[1.000]	8.5	()	[1.000]	8.3	()	[1.000]	8.3	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-06 24 - 26			NONE 10 CAN97-10-07 29 - 31			NONE 10 CAN97-10-08 34 - 36			NONE 10 CAN97-10-09 39 - 41		
Percent moisture (%)												
Percent moisture	11	()	[1.000]	5.7	()	[1.000]	6.5	()	[1.000]	5.4	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	11000	(72)	[360.360]	6100	(72)	[360.360]	5100	(69)	[344.828]	4400	(17)	[85.470]
Antimony	ND	(36)	[360.360]	ND	(36)	[360.360]	ND	(34)	[344.828]	0.02 @	(8.5)	[85.470]
Arsenic	2 @	(27)	[90.090]	ND	(27)	[90.090]	ND	(26)	[86.207]	ND	(26)	[85.470]
Barium	630	(3.6)	[360.360]	85	(3.6)	[360.360]	52	(3.4)	[344.828]	14	(0.85)	[85.470]
Beryllium	0.28 @	(0.18)	[90.090]	0.15 @	(0.18)	[90.090]	0.14 @	(0.17)	[86.207]	0.15 @	(0.17)	[85.470]
Cadmium	ND	(0.45)	[90.090]	0.03 @	(0.45)	[90.090]	0.16 @	(0.43)	[86.207]	0.11 @	(0.43)	[85.470]
Calcium	64000	(360)	[360.360]	90000	(360)	[360.360]	59000	(340)	[344.828]	16000	(85)	[85.470]
Chromium	9	(0.9)	[90.090]	4.7	(0.9)	[90.090]	4.6	(0.86)	[86.207]	4.1 @	(0.85)	[85.470]
Cobalt	2.6 @	(0.9)	[90.090]	1.4 @	(0.9)	[90.090]	1.5 @	(0.86)	[86.207]	1.7 @	(0.85)	[85.470]
Copper	2.3 @	(1.8)	[90.090]	0.95 @	(1.8)	[90.090]	1.2 @	(1.7)	[86.207]	0.95 @	(1.7)	[85.470]
Iron	6800	(18)	[360.360]	4200	(18)	[360.360]	4200	(17)	[344.828]	3900	(4.3)	[85.470]
Lead	2.1 @	(4.5)	[90.090]	ND	(4.5)	[90.090]	ND	(4.3)	[86.207]	ND	(4.3)	[85.470]
Magnesium	12000	(360)	[360.360]	4800	(360)	[360.360]	5400	(340)	[344.828]	4000	(85)	[85.470]
Manganese	58	(3.6)	[360.360]	35	(3.6)	[360.360]	43	(3.4)	[344.828]	46	(0.85)	[85.470]
Molybdenum	ND	(4.5)	[90.090]	0.2 @	(4.5)	[90.090]	0.085 @	(4.3)	[86.207]	0.2 @	(4.3)	[85.470]
Nickel	6 @	(1.8)	[90.090]	1.9 @	(1.8)	[90.090]	3 @	(1.7)	[86.207]	2.5 @	(1.7)	[85.470]
Potassium	2000	(270)	[90.090]	1100 @	(270)	[90.090]	930 @	(260)	[86.207]	920 @	(260)	[85.470]
Selenium	3.7 @	(27)	[90.090]	1.3 @	(27)	[90.090]	1.2 @	(26)	[86.207]	ND	(26)	[85.470]
Silver	ND	(0.9)	[90.090]	ND	(0.9)	[90.090]	ND	(0.86)	[86.207]	ND	(0.85)	[85.470]
Sodium	290 @	(90)	[90.090]	180 @	(90)	[90.090]	140 @	(86)	[86.207]	83 @	(85)	[85.470]
Thallium	3.2 @	(9)	[90.090]	3 @	(9)	[90.090]	ND	(8.6)	[86.207]	1.2 @	(8.5)	[85.470]
Vanadium	23	(1.8)	[90.090]	9.3	(1.8)	[90.090]	11	(1.7)	[86.207]	11	(1.7)	[85.470]
Zinc	12	(1.8)	[90.090]	6.9 @	(1.8)	[90.090]	6.8 @	(1.7)	[86.207]	7 @	(1.7)	[85.470]
SW7060 - Arsenic (mg/kg)												
Arsenic	3.4	(0.34)	[83.850]	2.4	(0.35)	[86.922]	1.7 @	(0.37)	[91.412]	0.97 @	(0.36)	[91.128]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-06 24 - 26			NONE 10 CAN97-10-07 29 - 31			NONE 10 CAN97-10-08 34 - 36			NONE 10 CAN97-10-09 39 - 41		
SW7421 - Lead (mg/kg)												
Lead	4.1	(0.25)	[83.850]	1.8	(0.26)	[86.922]	1.9	(0.27)	[91.412]	2.1	(0.27)	[91.128]
SW7471 - Mercury (mg/kg)												
Mercury	0.016 @	(0.04)	[224.719]	0.013 @	(0.045)	[252.487]	0.011 @	(0.04)	[222.816]	0.016 @	(0.041)	[229.801]
SW7740 - Selenium (mg/kg)												
Selenium	0.34 @	(0.42)	[83.850]	0.26 @	(0.43)	[86.922]	ND	(0.46)	[91.412]	ND	(0.46)	[91.128]
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.5	()	[1.000]	8.4	()	[1.000]	8.4	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-10 44 - 46			NONE 10 CAN97-10-11 49 - 51			NONE 10 CAN97-10-12 54 - 56			NONE 10 CAN97-10-13 59 - 61		
Percent moisture (%)												
Percent moisture	8	()	[1.000]	4.6	()	[1.000]	4.5	()	[1.000]	3.6	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	4000	(17)	[83.333]	2100	(16)	[78.740]	2200	(17)	[85.470]	1500	(16)	[81.967]
Antimony	ND	(8.3)	[83.333]	2.5 @	(7.9)	[78.740]	ND	(8.5)	[85.470]	3.8 @	(8.2)	[81.967]
Arsenic	ND	(25)	[83.333]	ND	(24)	[78.740]	ND	(26)	[85.470]	ND	(25)	[81.967]
Barium	23	(0.83)	[83.333]	11	(0.79)	[78.740]	11	(0.85)	[85.470]	22	(0.82)	[81.967]
Beryllium	0.13 @	(0.17)	[83.333]	0.092 @	(0.16)	[78.740]	0.083 @	(0.17)	[85.470]	0.073 @	(0.16)	[81.967]
Cadmium	0.087 @	(0.42)	[83.333]	0.32 @	(0.39)	[78.740]	0.35 @	(0.43)	[85.470]	0.12 @	(0.41)	[81.967]
Calcium	22000	(83)	[83.333]	12000	(79)	[78.740]	12000	(85)	[85.470]	310 @	(82)	[81.967]
Chromium	4.3	(0.83)	[83.333]	2.1 @	(0.79)	[78.740]	2.6 @	(0.85)	[85.470]	1.7 @	(0.82)	[81.967]
Cobalt	1.3 @	(0.83)	[83.333]	0.84 @	(0.79)	[78.740]	1 @	(0.85)	[85.470]	0.7 @	(0.82)	[81.967]
Copper	0.81 @	(1.7)	[83.333]	0.62 @	(1.6)	[78.740]	0.72 @	(1.7)	[85.470]	1 @	(1.6)	[81.967]
Iron	3700	(4.2)	[83.333]	2400	(3.9)	[78.740]	2700	(4.3)	[85.470]	2200	(4.1)	[81.967]
Lead	ND	(4.2)	[83.333]	ND	(3.9)	[78.740]	0.23 @	(4.3)	[85.470]	1.1 @	(4.1)	[81.967]
Magnesium	4500	(83)	[83.333]	1700	(79)	[78.740]	1300	(85)	[85.470]	790	(82)	[81.967]
Manganese	43	(0.83)	[83.333]	23	(0.79)	[78.740]	31	(0.85)	[85.470]	26	(0.82)	[81.967]
Molybdenum	0.073 @	(4.2)	[83.333]	ND	(3.9)	[78.740]	ND	(4.3)	[85.470]	ND	(4.1)	[81.967]
Nickel	2.7 @	(1.7)	[83.333]	1.8 @	(1.6)	[78.740]	1 @	(1.7)	[85.470]	1.4 @	(1.6)	[81.967]
Potassium	680 @	(250)	[83.333]	380 @	(240)	[78.740]	390 @	(260)	[85.470]	320 @	(250)	[81.967]
Selenium	1.6 @	(25)	[83.333]	1.7 @	(24)	[78.740]	ND	(26)	[85.470]	ND	(25)	[81.967]
Silver	ND	(0.83)	[83.333]	0.13 @	(0.79)	[78.740]	ND	(0.85)	[85.470]	0.24 @	(0.82)	[81.967]
Sodium	65 @	(83)	[83.333]	38 @	(79)	[78.740]	30 @	(85)	[85.470]	22 @	(82)	[81.967]
Thallium	1.4 @	(8.3)	[83.333]	ND	(7.9)	[78.740]	ND	(8.5)	[85.470]	0.62 @	(8.2)	[81.967]
Vanadium	13	(1.7)	[83.333]	8.3	(1.6)	[78.740]	7.5 @	(1.7)	[85.470]	5.8 @	(1.6)	[81.967]
Zinc	6.5 @	(1.7)	[83.333]	4.1 @	(1.6)	[78.740]	4.3 @	(1.7)	[85.470]	3.9 @	(1.6)	[81.967]
SW7060 - Arsenic (mg/kg)												
Arsenic	1.1 @	(0.34)	[84.919]	0.81 @	(0.34)	[85.221]	0.66 @	(0.35)	[86.539]	0.39 @	(0.32)	[79.187]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 10 CAN97-10-10 44 - 46			NONE 10 CAN97-10-11 49 - 51			NONE 10 CAN97-10-12 54 - 56			NONE 10 CAN97-10-13 59 - 61		
SW7421 - Lead (mg/kg)												
Lead	1.3	(0.25)	[84.919]	1.1 @	(0.26)	[85.221]	0.97 @	(0.26)	[86.539]	0.63 @	(0.24)	[79.187]
SW7471 - Mercury (mg/kg)												
Mercury	0.013 @	(0.039)	[217.391]	0.011 @	(0.041)	[227.873]	0.015 @	(0.045)	[249.314]	0.011 @	(0.041)	[225.510]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.42)	[84.919]	ND	(0.43)	[85.580]	ND	(0.43)	[86.539]	ND	(0.4)	[79.187]
Soil pH (pH units)												
pH	8.5	()	[1.000]	8.4	()	[1.000]	8.5	()	[1.000]	8.3	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID	LOCATION ID	SAMPLE ID	BEG. DEPTH - END DEPTH (FT.)											
	NONE	11	CAN97-11-01	0 - 2			NONE	11	CAN97-11-02	4 - 6			NONE	11	CAN97-11-03	9 - 11			NONE	11	CAN97-11-04	14 - 16		
Percent moisture (%)																								
Percent moisture	11		()	[1.000]	15		()	[1.000]	12		()	[1.000]	14		()	[1.000]
SW6010 - Metals (mg/kg)																								
Aluminum	15000		(20)	[100.000]	6600		(21)	[104.167]	13000		(21)	[103.093]	15000		(20)	[98.039]
Antimony	1.5	@	(10)	[100.000]	ND		(100)	[041.666]	ND		(41)	[412.371]	ND		(39)	[392.157]
Arsenic	ND		(30)	[100.000]	4.8	@	(31)	[104.167]	8.4	@	(31)	[103.093]	3.6	@	(29)	[98.039]
Barium	90		(1)	[100.000]	460		(1)	[104.167]	670		(1)	[103.093]	110		(0.98)	[98.039]
Beryllium	0.45	@	(0.2)	[100.000]	0.092	@	(0.21)	[104.167]	0.51	@	(0.21)	[103.093]	0.38	@	(0.2)	[98.039]
Cadmium	0.44	@	(0.5)	[100.000]	0.13	@	(0.52)	[104.167]	ND		(0.52)	[103.093]	0.31	@	(0.49)	[98.039]
Calcium	4100		(100)	[100.000]	260000		(1000)	[041.666]	98000		(410)	[412.371]	120000		(390)	[392.157]
Chromium	15		(1)	[100.000]	4.9	@	(1)	[104.167]	8.5		(1)	[103.093]	12		(0.98)	[98.039]
Cobalt	4.1	@	(1)	[100.000]	2.1	@	(1)	[104.167]	3	@	(1)	[103.093]	1.9	@	(0.98)	[98.039]
Copper	8.8	@	(2)	[100.000]	3.6	@	(2.1)	[104.167]	4.6	@	(2.1)	[103.093]	4.8	@	(2)	[98.039]
Iron	12000		(5)	[100.000]	3800		(5.2)	[104.167]	7900		(5.2)	[103.093]	8700		(4.9)	[98.039]
Lead	10	@	(5)	[100.000]	ND		(5.2)	[104.167]	0.32	@	(5.2)	[103.093]	ND		(4.9)	[98.039]
Magnesium	1900		(100)	[100.000]	4400		(100)	[104.167]	5000		(100)	[103.093]	6300		(98)	[98.039]
Manganese	220		(1)	[100.000]	31		(1)	[104.167]	88		(1)	[103.093]	55		(0.98)	[98.039]
Molybdenum	0.55	@	(5)	[100.000]	0.22	@	(5.2)	[104.167]	0.093	@	(5.2)	[103.093]	0.37	@	(4.9)	[98.039]
Nickel	11		(2)	[100.000]	6.7	@	(2.1)	[104.167]	7.9	@	(2.1)	[103.093]	7	@	(2)	[98.039]
Potassium	3200		(300)	[100.000]	1200	@	(310)	[104.167]	2600		(310)	[103.093]	3300		(290)	[98.039]
Selenium	ND		(30)	[100.000]	0.42	@	(31)	[104.167]	ND		(31)	[103.093]	ND		(29)	[98.039]
Silver	ND		(1)	[100.000]	ND		(1)	[104.167]	ND		(1)	[103.093]	ND		(0.98)	[98.039]
Sodium	32	@	(100)	[100.000]	91	@	(100)	[104.167]	230	@	(100)	[103.093]	330	@	(98)	[98.039]
Thallium	5.5	@	(10)	[100.000]	2.9	@	(10)	[104.167]	3.1	@	(10)	[103.093]	4.9	@	(9.8)	[98.039]
Vanadium	26		(2)	[100.000]	16	@	(21)	[041.666]	22	@	(8.2)	[412.371]	32	@	(7.8)	[392.157]
Zinc	34		(2)	[100.000]	10	@	(21)	[041.666]	23	@	(8.2)	[412.371]	23	@	(7.8)	[392.157]
SW7041 - Antimony by AA (mg/kg)																								
Antimony	NA				0.028	@	(0.57)	[94.877]	NA				NA			

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-01 0 - 2			NONE 11 CAN97-11-02 4 - 6			NONE 11 CAN97-11-03 9 - 11			NONE 11 CAN97-11-04 14 - 16		
SW7060 - Arsenic (mg/kg)												
Arsenic	3.9	(0.4)	[101.225]	4.2	(0.41)	[103.199]	3.4	(0.39)	[96.302]	7.9	(0.77)	[192.197]
SW7421 - Lead (mg/kg)												
Lead	9.2	(0.61)	[202.450]	2	(0.31)	[103.199]	4.4	(0.29)	[96.302]	3.5	(0.29)	[96.098]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.053)	[295.683]	0 @	(0.053)	[294.118]	ND	(0.057)	[315.657]	0 @	(0.052)	[290.698]
SW7740 - Selenium (mg/kg)												
Selenium	0.18 @	(0.51)	[101.225]	0.4 @	(0.52)	[103.199]	0.083 @	(0.48)	[96.302]	0.17 @	(0.48)	[96.098]
SW7841 - Thallium (mg/kg)												
Thallium	ND	(0.51)	[101.225]	NA			NA			0.077 @	(0.48)	[96.098]
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.4	()	[1.000]	8.6	()	[1.000]	9	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-05 19 - 21			NONE 11 CAN97-11-06 24 - 26			NONE 11 CAN97-11-07 29 - 31			NONE 11 CAN97-11-08 34 - 36		
Percent moisture (%)												
Percent moisture	13	()	[1.000]	11	()	[1.000]	7.9	()	[1.000]	11	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	20000	(20)	[100.000]	13000	(19)	[97.087]	11000	(19)	[92.593]	5600	(19)	[96.154]
Antimony	ND	(10)	[100.000]	0.48 @	(9.7)	[97.087]	3.5 @	(9.3)	[92.593]	ND	(9.6)	[96.154]
Arsenic	ND	(30)	[100.000]	ND	(29)	[97.087]	ND	(28)	[92.593]	ND	(29)	[96.154]
Barium	640	(1)	[100.000]	53	(0.97)	[97.087]	200	(0.93)	[92.593]	140	(0.96)	[96.154]
Beryllium	0.85 @	(0.2)	[100.000]	0.24 @	(0.19)	[97.087]	0.19 @	(0.19)	[92.593]	0.037 @	(0.19)	[96.154]
Cadmium	ND	(0.5)	[100.000]	0.25 @	(0.49)	[97.087]	ND	(0.46)	[92.593]	ND	(0.48)	[96.154]
Calcium	28000	(100)	[100.000]	28000	(97)	[97.087]	6300	(93)	[92.593]	37000	(96)	[96.154]
Chromium	13	(1)	[100.000]	9	(0.97)	[97.087]	9	(0.93)	[92.593]	5	(0.96)	[96.154]
Cobalt	3.5 @	(1)	[100.000]	2.2 @	(0.97)	[97.087]	1.5 @	(0.93)	[92.593]	1.2 @	(0.96)	[96.154]
Copper	4.6 @	(2)	[100.000]	2.6 @	(1.9)	[97.087]	2.7 @	(1.9)	[92.593]	3.2 @	(1.9)	[96.154]
Iron	11000	(5)	[100.000]	7400	(4.9)	[97.087]	7700	(4.6)	[92.593]	4200	(4.8)	[96.154]
Lead	8.4 @	(5)	[100.000]	3 @	(4.9)	[97.087]	5 @	(4.6)	[92.593]	0.77 @	(4.8)	[96.154]
Magnesium	8000	(100)	[100.000]	8000	(97)	[97.087]	8100	(93)	[92.593]	10000	(96)	[96.154]
Manganese	150	(1)	[100.000]	43	(0.97)	[97.087]	50	(0.93)	[92.593]	42	(0.96)	[96.154]
Molybdenum	0.53 @	(5)	[100.000]	0.59 @	(4.9)	[97.087]	0.25 @	(4.6)	[92.593]	0.3 @	(4.8)	[96.154]
Nickel	9.1 @	(2)	[100.000]	5.9 @	(1.9)	[97.087]	5.5 @	(1.9)	[92.593]	5 @	(1.9)	[96.154]
Potassium	4500	(300)	[100.000]	2600	(290)	[97.087]	2400	(280)	[92.593]	1100 @	(290)	[96.154]
Selenium	ND	(30)	[100.000]	ND	(29)	[97.087]	ND	(28)	[92.593]	ND	(29)	[96.154]
Silver	ND	(1)	[100.000]	ND	(0.97)	[97.087]	ND	(0.93)	[92.593]	ND	(0.96)	[96.154]
Sodium	370 @	(100)	[100.000]	250 @	(97)	[97.087]	210 @	(93)	[92.593]	170 @	(96)	[96.154]
Thallium	5.2 @	(10)	[100.000]	2.6 @	(9.7)	[97.087]	6.5 @	(9.3)	[92.593]	6.2 @	(9.6)	[96.154]
Vanadium	39	(2)	[100.000]	19	(1.9)	[97.087]	17	(1.9)	[92.593]	14	(1.9)	[96.154]
Zinc	29	(2)	[100.000]	13	(1.9)	[97.087]	14	(1.9)	[92.593]	7.8 @	(1.9)	[96.154]
SW7060 - Arsenic (mg/kg)												
Arsenic	6.4	(0.4)	[100.827]	3.6	(0.39)	[96.862]	3.1	(0.39)	[96.944]	2.6	(0.37)	[93.633]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-05 19 - 21			NONE 11 CAN97-11-06 24 - 26			NONE 11 CAN97-11-07 29 - 31			NONE 11 CAN97-11-08 34 - 36		
SW7421 - Lead (mg/kg)												
Lead	5.6	(0.3)	[100.827]	2.7	(0.29)	[96.862]	2.4	(0.29)	[96.944]	1.2 @	(0.28)	[93.633]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.045)	[249.875]	ND	(0.053)	[295.683]	0 @	(0.051)	[285.731]	ND	(0.051)	[280.899]
SW7740 - Selenium (mg/kg)												
Selenium	0.12 @	(0.5)	[100.827]	0.06 @	(0.48)	[96.862]	0.065 @	(0.48)	[96.944]	ND	(0.47)	[93.633]
SW7841 - Thallium (mg/kg)												
Thallium	0.05 @	(0.5)	[100.827]	NA			0.039 @	(0.48)	[96.944]	ND	(0.47)	[93.633]
Soil pH (pH units)												
pH	8.8	()	[1.000]	8.7	()	[1.000]	8.7	()	[1.000]	8.4	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-09 39 - 41			NONE 11 CAN97-11-99 Dup of CAN97-11-09 39 - 41			NONE 11 CAN97-11-10 46 - 48			NONE 11 CAN97-11-11 51 - 53		
Percent moisture (%)												
Percent moisture	5.8	()	[1.000]	6	()	[1.000]	12	()	[1.000]	6.5	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	4400	(17)	[86.207]	4500	(19)	[93.458]	ND	(78)	[392.157]	3700	(18)	[88.496]
Antimony	5.2 @	(8.6)	[86.207]	2.8 @	(9.3)	[93.458]	ND	(20)	[196.078]	ND	(8.8)	[88.496]
Arsenic	ND	(26)	[86.207]	ND	(28)	[93.458]	ND	(120)	[392.157]	0.2 @	(27)	[88.496]
Barium	23	(0.86)	[86.207]	18	(0.93)	[93.458]	ND	(3.9)	[392.157]	490	(0.88)	[88.496]
Beryllium	0.03 @	(0.17)	[86.207]	0.033 @	(0.19)	[93.458]	ND	(0.78)	[392.157]	0.0053 @	(0.18)	[88.496]
Cadmium	0.16 @	(0.43)	[86.207]	0.075 @	(0.47)	[93.458]	1.3 @	(2)	[392.157]	0.14 @	(0.44)	[88.496]
Calcium	7100	(86)	[86.207]	6600	(93)	[93.458]	90000	(200)	[196.078]	28000	(88)	[88.496]
Chromium	4.1 @	(0.86)	[86.207]	4.3 @	(0.93)	[93.458]	ND	(3.9)	[392.157]	4.1 @	(0.88)	[88.496]
Cobalt	1.2 @	(0.86)	[86.207]	1.2 @	(0.93)	[93.458]	ND	(3.9)	[392.157]	1.6 @	(0.88)	[88.496]
Copper	1.5 @	(1.7)	[86.207]	2.1 @	(1.9)	[93.458]	ND	(7.8)	[392.157]	0.96 @	(1.8)	[88.496]
Iron	4100	(4.3)	[86.207]	4400	(4.7)	[93.458]	1.5 @	(20)	[392.157]	3500	(4.4)	[88.496]
Lead	0.79 @	(4.3)	[86.207]	0.25 @	(4.7)	[93.458]	ND	(20)	[392.157]	ND	(4.4)	[88.496]
Magnesium	3900	(86)	[86.207]	4100	(93)	[93.458]	8.2 @	(390)	[392.157]	3100	(88)	[88.496]
Manganese	39	(0.86)	[86.207]	37	(0.93)	[93.458]	ND	(3.9)	[392.157]	48	(0.88)	[88.496]
Molybdenum	0.32 @	(4.3)	[86.207]	0.44 @	(4.7)	[93.458]	ND	(20)	[392.157]	0.2 @	(4.4)	[88.496]
Nickel	3.3 @	(1.7)	[86.207]	4.2 @	(1.9)	[93.458]	0.84 @	(7.8)	[392.157]	2.1 @	(1.8)	[88.496]
Potassium	1000 @	(260)	[86.207]	1000 @	(280)	[93.458]	ND	(1200)	[392.157]	670 @	(270)	[88.496]
Selenium	ND	(26)	[86.207]	ND	(28)	[93.458]	ND	(120)	[392.157]	0.2 @	(27)	[88.496]
Silver	ND	(0.86)	[86.207]	ND	(0.93)	[93.458]	ND	(3.9)	[392.157]	ND	(0.88)	[88.496]
Sodium	110 @	(86)	[86.207]	110 @	(93)	[93.458]	34 @	(390)	[392.157]	77 @	(88)	[88.496]
Thallium	0.26 @	(8.6)	[86.207]	3 @	(9.3)	[93.458]	13 @	(39)	[392.157]	0.74 @	(8.8)	[88.496]
Vanadium	11	(1.7)	[86.207]	12	(1.9)	[93.458]	14 @	(3.9)	[196.078]	12	(1.8)	[88.496]
Zinc	7.1 @	(1.7)	[86.207]	7.3 @	(1.9)	[93.458]	7.9 @	(3.9)	[196.078]	5.5 @	(1.8)	[88.496]
SW7060 - Arsenic (mg/kg)												
Arsenic	1.3 @	(0.35)	[87.733]	1.1 @	(0.37)	[92.507]	2.4	(0.38)	[94.697]	1.7 @	(0.36)	[89.876]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-09 39 - 41			NONE 11 CAN97-11-99 Dup of CAN97-11-09 39 - 41			NONE 11 CAN97-11-10 46 - 48			NONE 11 CAN97-11-11 51 - 53		
SW7421 - Lead (mg/kg)												
Lead	1.3	(0.26)	[87.733]	1.1 @	(0.28)	[92.507]	1.3 @	(0.28)	[94.697]	1.4	(0.27)	[89.876]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.048)	[265.393]	ND	(0.04)	[221.631]	ND	(0.054)	[299.043]	ND	(0.051)	[281.452]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.44)	[87.733]	ND	(0.46)	[92.507]	0.046 @	(0.47)	[94.697]	ND	(0.45)	[89.876]
SW7841 - Thallium (mg/kg)												
Thallium	NA			NA			ND	(0.47)	[94.697]	NA		
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.5	()	[1.000]	8.4	()	[1.000]	8.2	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-12 54 - 56			NONE 11 CAN97-11-13 59 - 61			NONE 12 CAN97-12-06 5 - 7			NONE 12 CAN97-12-I 4 - 6		
Percent moisture (%)												
Percent moisture	5.3	()	[1.000]	4.2	()	[1.000]	5.6	()	[1.000]	5.2	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	2800	(17)	[83.333]	2000	(16)	[78.125]	10000	(18)	[89.286]	14000	(17)	[86.207]
Antimony	ND	(8.3)	[83.333]	ND	(7.8)	[78.125]	ND @	(8.9)	[89.286]	ND @	(8.6)	[86.207]
Arsenic	ND	(25)	[83.333]	0.46 @	(23)	[78.125]	0.86 @	(120)	[388.350]	ND @	(26)	[86.207]
Barium	12	(0.83)	[83.333]	7.3	(0.78)	[78.125]	670	(0.89)	[89.286]	93	(0.86)	[86.207]
Beryllium	ND	(0.17)	[83.333]	ND	(0.16)	[78.125]	0.37 @	(0.18)	[89.286]	0.55 @	(0.17)	[86.207]
Cadmium	ND	(0.42)	[83.333]	ND	(0.39)	[78.125]	0.34 @	(1.9)	[388.350]	0.57 @	(0.43)	[86.207]
Calcium	8500	(83)	[83.333]	2000	(78)	[78.125]	200000	(390)	[388.350]	12000	(86)	[86.207]
Chromium	3 @	(0.83)	[83.333]	1.9 @	(0.78)	[78.125]	6.9	(0.89)	[89.286]	12	(0.86)	[86.207]
Cobalt	1.1 @	(0.83)	[83.333]	0.84 @	(0.78)	[78.125]	2.7 @	(3.9)	[388.350]	3.8 @	(0.86)	[86.207]
Copper	0.85 @	(1.7)	[83.333]	0.89 @	(1.6)	[78.125]	3.4 @	(7.8)	[388.350]	7.5 @	(1.7)	[86.207]
Iron	3100	(4.2)	[83.333]	2400	(3.9)	[78.125]	5900	(4.5)	[89.286]	10000	(4.3)	[86.207]
Lead	ND	(4.2)	[83.333]	ND	(3.9)	[78.125]	ND @	(19)	[388.350]	13 @	(4.3)	[86.207]
Magnesium	1800	(83)	[83.333]	1000	(78)	[78.125]	3400	(89)	[89.286]	1900	(86)	[86.207]
Manganese	26	(0.83)	[83.333]	26	(0.78)	[78.125]	64	(0.89)	[89.286]	180	(0.86)	[86.207]
Molybdenum	0.25 @	(4.2)	[83.333]	0.14 @	(3.9)	[78.125]	0.35 @	(4.5)	[89.286]	0.53 @	(4.3)	[86.207]
Nickel	2.6 @	(1.7)	[83.333]	1.6 @	(1.6)	[78.125]	5.5 @	(7.8)	[388.350]	8.4 @	(1.7)	[86.207]
Potassium	530 @	(250)	[83.333]	380 @	(230)	[78.125]	1500	(270)	[89.286]	2500	(260)	[86.207]
Selenium	ND	(25)	[83.333]	0.71 @	(23)	[78.125]	1.1 @	(27)	[89.286]	1.2 @	(26)	[86.207]
Silver	ND	(0.83)	[83.333]	ND	(0.78)	[78.125]	ND @	(0.89)	[89.286]	ND @	(0.86)	[86.207]
Sodium	57 @	(83)	[83.333]	37 @	(78)	[78.125]	64 @	(89)	[89.286]	30 @	(86)	[86.207]
Thallium	4.3 @	(8.3)	[83.333]	2.3 @	(7.8)	[78.125]	10 @	(39)	[388.350]	1.6 @	(8.6)	[86.207]
Vanadium	9.4	(1.7)	[83.333]	5.8 @	(1.6)	[78.125]	17	(1.8)	[89.286]	22	(1.7)	[86.207]
Zinc	4.8 @	(1.7)	[83.333]	3.6 @	(1.6)	[78.125]	18 @	(7.8)	[388.350]	27	(1.7)	[86.207]
SW7060 - Arsenic (mg/kg)												
Arsenic	1 @	(0.34)	[85.851]	0.51 @	(0.36)	[89.217]	4.9	(0.35)	[88.277]	6	(0.67)	[167.437]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 11 CAN97-11-12 54 - 56			NONE 11 CAN97-11-13 59 - 61			NONE 12 CAN97-12-06 5 - 7			NONE 12 CAN97-12-I 4 - 6		
SW7421 - Lead (mg/kg)												
Lead	1.8	(0.26)	[85.851]	0.95 @	(0.27)	[89.217]	4.1	(0.26)	[88.277]	6.5	(0.5)	[167.437]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.041)	[229.558]	ND	(0.047)	[260.960]	ND @	(0.045)	[252.220]	ND @	(0.05)	[277.593]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.43)	[85.851]	ND	(0.45)	[89.217]	0.37 @	(0.44)	[88.230]	ND @	(0.42)	[83.701]
SW7841 - Thallium (mg/kg)												
Thallium	0.034 @	(0.43)	[85.851]	NA			NA			NA		
Soil pH (pH units)												
pH	8.4	()	[1.000]	8.2	()	[1.000]	8.3	()	[1.000]	8.2	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 12 CAN97-12-S 0 - 2			NONE 13 CAN97-13-06 5 - 7			NONE 13 CAN97-13-I 4 - 6			NONE 13 CAN97-13-S 0 - 2		
Percent moisture (%)												
Percent moisture	0.99	()	[1.000]	12	()	[1.000]	7.9	()	[1.000]	2	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	18000	(15)	[74.815]	13000	(19)	[96.154]	14000	(18)	[88.496]	15000	(16)	[81.633]
Antimony	0.028 @	(7.5)	[74.815]	ND @	(9.6)	[96.154]	2.9 @	(8.8)	[88.496]	6.6 @	(8.2)	[81.633]
Arsenic	ND	(22)	[74.815]	ND @	(120)	[384.615]	ND @	(27)	[88.496]	ND	(24)	[81.633]
Barium	96	(0.75)	[74.815]	210	(3.8)	[384.615]	81	(0.88)	[88.496]	78	(0.82)	[81.633]
Beryllium	0.62 @	(0.15)	[74.815]	0.44 @	(0.19)	[96.154]	0.57 @	(0.18)	[88.496]	0.51 @	(0.16)	[81.633]
Cadmium	0.32 @	(0.37)	[74.815]	1.1 @	(1.9)	[384.615]	0.37 @	(0.44)	[88.496]	0.38 @	(0.41)	[81.633]
Calcium	6500	(75)	[74.815]	140000	(380)	[384.615]	2300	(88)	[88.496]	2900	(82)	[81.633]
Chromium	15	(0.75)	[74.815]	8.7	(0.96)	[96.154]	13	(0.88)	[88.496]	13	(0.82)	[81.633]
Cobalt	4.2	(0.75)	[74.815]	4 @	(3.8)	[384.615]	4.3 @	(0.88)	[88.496]	4 @	(0.82)	[81.633]
Copper	8.2	(1.5)	[74.815]	5.6 @	(7.7)	[384.615]	7.8 @	(1.8)	[88.496]	7.3 @	(1.6)	[81.633]
Iron	13000	(3.7)	[74.815]	7600	(4.8)	[96.154]	11000	(4.4)	[88.496]	11000	(4.1)	[81.633]
Lead	20	(3.7)	[74.815]	0.33 @	(19)	[384.615]	13 @	(4.4)	[88.496]	15 @	(4.1)	[81.633]
Magnesium	2100	(75)	[74.815]	3100	(96)	[96.154]	1600	(88)	[88.496]	1700	(82)	[81.633]
Manganese	210	(0.75)	[74.815]	86	(0.96)	[96.154]	210	(0.88)	[88.496]	230	(0.82)	[81.633]
Molybdenum	0.44 @	(3.7)	[74.815]	0.58 @	(4.8)	[96.154]	0.67 @	(4.4)	[88.496]	0.51 @	(4.1)	[81.633]
Nickel	10	(1.5)	[74.815]	5.3 @	(7.7)	[384.615]	8.9 @	(1.8)	[88.496]	9.1	(1.6)	[81.633]
Potassium	3200	(220)	[74.815]	1900	(290)	[96.154]	2300	(270)	[88.496]	2700	(240)	[81.633]
Selenium	0.87 @	(22)	[74.815]	ND @	(29)	[96.154]	ND @	(27)	[88.496]	2.4 @	(24)	[81.633]
Silver	ND	(0.75)	[74.815]	ND @	(0.96)	[96.154]	ND @	(0.88)	[88.496]	ND	(0.82)	[81.633]
Sodium	38 @	(75)	[74.815]	79 @	(96)	[96.154]	33 @	(88)	[88.496]	29 @	(82)	[81.633]
Thallium	ND	(7.5)	[74.815]	11 @	(38)	[384.615]	ND @	(8.8)	[88.496]	0.11 @	(8.2)	[81.633]
Vanadium	29	(1.5)	[74.815]	19	(1.9)	[96.154]	22	(1.8)	[88.496]	24	(1.6)	[81.633]
Zinc	31	(1.5)	[74.815]	20 @	(7.7)	[384.615]	26	(1.8)	[88.496]	28	(1.6)	[81.633]
SW7060 - Arsenic (mg/kg)												
Arsenic	5	(0.3)	[75.373]	5.6	(0.36)	[89.888]	5.2	(0.37)	[93.601]	4.3	(0.33)	[82.943]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 12 CAN97-12-S 0 - 2			NONE 13 CAN97-13-06 5 - 7			NONE 13 CAN97-13-I 4 - 6			NONE 13 CAN97-13-S 0 - 2		
SW7421 - Lead (mg/kg)												
Lead	16	(0.9)	[301.492]	4.6	(0.27)	[90.909]	7.7	(0.56)	[187.203]	9.3	(1)	[331.772]
SW7471 - Mercury (mg/kg)												
Mercury	0.029 @	(0.043)	[240.476]	ND @	(0.044)	[247.036]	ND @	(0.049)	[271.444]	0.021 @	(0.042)	[231.911]
SW7740 - Selenium (mg/kg)												
Selenium	0.34 @	(0.38)	[75.373]	0.032 @	(0.45)	[90.600]	ND @	(0.47)	[93.632]	0.32 @	(0.41)	[82.943]
Soil pH (pH units)												
pH	8.1	()	[1.000]	8.6	()	[1.000]	7.2	()	[1.000]	8.2	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)														
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2			NONE 14 CAN97-14-01 0 - 2			NONE 14 CAN97-14-02 4 - 6			NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6		
Percent moisture (%)												
Percent moisture	2.4	()	[1.000]	6.3	()	[1.000]	6.8	()	[1.000]	6.6	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	13000	(15)	[74.246]	12000	(18)	[87.719]	8100	(19)	[93.458]	7300	(19)	[92.593]
Antimony	2.3 @	(7.4)	[74.246]	ND	(8.8)	[87.719]	ND	(37)	[373.832]	160 @	(74)	[740.741]
Arsenic	ND	(22)	[74.246]	ND	(26)	[87.719]	5.8 @	(28)	[93.458]	ND	(28)	[92.593]
Barium	83	(0.74)	[74.246]	83	(0.88)	[87.719]	460	(0.93)	[93.458]	330	(0.93)	[92.593]
Beryllium	0.48 @	(0.15)	[74.246]	0.54 @	(0.18)	[87.719]	0.4 @	(0.19)	[93.458]	0.37 @	(0.19)	[92.593]
Cadmium	0.31 @	(0.37)	[74.246]	ND	(0.44)	[87.719]	0.2 @	(0.47)	[93.458]	ND	(0.46)	[92.593]
Calcium	3300	(74)	[74.246]	3100	(88)	[87.719]	100000	(370)	[373.832]	190000	(740)	[740.741]
Chromium	12	(0.74)	[74.246]	11	(0.88)	[87.719]	5.6	(0.93)	[93.458]	5.3	(0.93)	[92.593]
Cobalt	3.5 @	(0.74)	[74.246]	4.1 @	(0.88)	[87.719]	2.2 @	(0.93)	[93.458]	2.2 @	(0.93)	[92.593]
Copper	7 @	(1.5)	[74.246]	7.5 @	(1.8)	[87.719]	2.7 @	(1.9)	[93.458]	2.7 @	(1.9)	[92.593]
Iron	10000	(3.7)	[74.246]	10000	(4.4)	[87.719]	4900	(4.7)	[93.458]	4800	(4.6)	[92.593]
Lead	12 @	(3.7)	[74.246]	8.4 @	(4.4)	[87.719]	ND	(4.7)	[93.458]	ND	(4.6)	[92.593]
Magnesium	1600	(74)	[74.246]	1500	(88)	[87.719]	3300	(93)	[93.458]	3200	(93)	[92.593]
Manganese	210	(0.74)	[74.246]	240	(0.88)	[87.719]	47	(0.93)	[93.458]	48	(0.93)	[92.593]
Molybdenum	0.55 @	(3.7)	[74.246]	0.24 @	(4.4)	[87.719]	0.42 @	(4.7)	[93.458]	ND	(4.6)	[92.593]
Nickel	8.6	(1.5)	[74.246]	8.7 @	(1.8)	[87.719]	5.7 @	(1.9)	[93.458]	5.7 @	(1.9)	[92.593]
Potassium	2500	(220)	[74.246]	2400	(260)	[87.719]	1200 @	(280)	[93.458]	1200 @	(280)	[92.593]
Selenium	ND	(22)	[74.246]	1.4 @	(26)	[87.719]	2.2 @	(28)	[93.458]	ND	(28)	[92.593]
Silver	ND	(0.74)	[74.246]	ND	(0.88)	[87.719]	ND	(0.93)	[93.458]	ND	(0.93)	[92.593]
Sodium	28 @	(74)	[74.246]	29 @	(88)	[87.719]	63 @	(93)	[93.458]	ND	(93)	[92.593]
Thallium	0.28 @	(7.4)	[74.246]	ND	(8.8)	[87.719]	ND	(9.3)	[93.458]	ND	(9.3)	[92.593]
Vanadium	22	(1.5)	[74.246]	21	(1.8)	[87.719]	15	(1.9)	[93.458]	15	(1.9)	[92.593]
Zinc	27	(1.5)	[74.246]	26	(1.8)	[87.719]	13	(1.9)	[93.458]	12	(1.9)	[92.593]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			NA			NA			0.095 @	(0.52)	[86.344]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2

RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 13 CAN97-13-99 Dup of CAN97-13-S 0 - 2			NONE 14 CAN97-14-01 0 - 2			NONE 14 CAN97-14-02 4 - 6			NONE 14 CAN97-14-99 Dup of CAN97-14-02 4 - 6		
SW7060 - Arsenic (mg/kg)												
Arsenic	4	(0.29)	[73.704]	4.2	(0.37)	[93.617]	4.3	(0.36)	[90.165]	4.2	(0.35)	[87.759]
SW7421 - Lead (mg/kg)												
Lead	9.1	(0.88)	[294.816]	8.9	(0.56)	[187.234]	3.5	(0.27)	[90.165]	3	(0.26)	[87.759]
SW7471 - Mercury (mg/kg)												
Mercury	0.024 @	(0.044)	[243.950]	ND	(0.053)	[296.138]	0.0032 @	(0.057)	[315.577]	0.0059 @	(0.054)	[297.407]
SW7740 - Selenium (mg/kg)												
Selenium	0.39 @	(0.37)	[73.704]	0.95 @	(0.47)	[93.617]	1.3 @	(0.45)	[90.165]	1 @	(0.44)	[87.759]
Soil pH (pH units)												
pH	8.2	()	[1.000]	7.6	()	[1.000]	8.3	()	[1.000]	8.5	()	[1.000]

Compiled: 2 February 1993

() = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-03 9 - 11			NONE 14 CAN97-14-04 14 - 16			NONE 14 CAN97-14-05 19 - 21			NONE 14 CAN97-14-06 24 - 26		
Percent moisture (%)												
Percent moisture	5.9	()	[1.000]	9.4	()	[1.000]	12	()	[1.000]	5.3	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	7000	(19)	[92.593]	5000	(19)	[95.238]	7500	(19)	[94.340]	7600	(19)	[93.458]
Antimony	ND	(37)	[370.370]	ND	(38)	[380.952]	ND	(38)	[377.359]	ND	(37)	[373.832]
Arsenic	4.5 @	(28)	[92.593]	0.73 @	(29)	[95.238]	3.2 @	(28)	[94.340]	ND	(28)	[93.458]
Barium	110	(0.93)	[92.593]	1100	(0.95)	[95.238]	130	(0.94)	[94.340]	710	(0.93)	[93.458]
Beryllium	0.28 @	(0.19)	[92.593]	0.17 @	(0.19)	[95.238]	0.22 @	(0.19)	[94.340]	0.23 @	(0.19)	[93.458]
Cadmium	0.0019 @	(0.46)	[92.593]	0.024 @	(0.48)	[95.238]	ND	(0.47)	[94.340]	0.05 @	(0.47)	[93.458]
Calcium	77000	(370)	[370.370]	84000	(380)	[380.952]	88000	(380)	[377.359]	24000	(370)	[373.832]
Chromium	5.7	(0.93)	[92.593]	4.1 @	(0.95)	[95.238]	5.2	(0.94)	[94.340]	5.7	(0.93)	[93.458]
Cobalt	2.1 @	(0.93)	[92.593]	1.3 @	(0.95)	[95.238]	1.7 @	(0.94)	[94.340]	1.4 @	(0.93)	[93.458]
Copper	1.8 @	(1.9)	[92.593]	1.1 @	(1.9)	[95.238]	2 @	(1.9)	[94.340]	1.6 @	(1.9)	[93.458]
Iron	4500	(4.6)	[92.593]	2600	(4.8)	[95.238]	4100	(4.7)	[94.340]	4600	(4.7)	[93.458]
Lead	ND	(4.6)	[92.593]	ND	(4.8)	[95.238]	ND	(4.7)	[94.340]	ND	(4.7)	[93.458]
Magnesium	3100	(93)	[92.593]	9000	(95)	[95.238]	9300	(94)	[94.340]	4800	(93)	[93.458]
Manganese	50	(0.93)	[92.593]	20	(0.95)	[95.238]	35	(0.94)	[94.340]	35	(0.93)	[93.458]
Molybdenum	0.28 @	(4.6)	[92.593]	ND	(4.8)	[95.238]	ND	(4.7)	[94.340]	0.35 @	(4.7)	[93.458]
Nickel	5.4 @	(1.9)	[92.593]	6.4 @	(1.9)	[95.238]	6.4 @	(1.9)	[94.340]	4.4 @	(1.9)	[93.458]
Potassium	1400	(280)	[92.593]	760 @	(290)	[95.238]	1400	(280)	[94.340]	1600	(280)	[93.458]
Selenium	1.5 @	(28)	[92.593]	1.9 @	(29)	[95.238]	ND	(28)	[94.340]	1.1 @	(28)	[93.458]
Silver	ND	(0.93)	[92.593]	ND	(0.95)	[95.238]	0.46 @	(0.94)	[94.340]	5	(0.93)	[93.458]
Sodium	110 @	(93)	[92.593]	180 @	(95)	[95.238]	270 @	(94)	[94.340]	210 @	(93)	[93.458]
Thallium	ND	(9.3)	[92.593]	0.25 @	(9.5)	[95.238]	1.4 @	(9.4)	[94.340]	ND	(9.3)	[93.458]
Vanadium	12	(1.9)	[92.593]	18	(1.9)	[95.238]	18	(1.9)	[94.340]	10	(1.9)	[93.458]
Zinc	11	(1.9)	[92.593]	5.8 @	(1.9)	[95.238]	9.5	(1.9)	[94.340]	8.8 @	(1.9)	[93.458]
SW7060 - Arsenic (mg/kg)												
Arsenic	2.8	(0.35)	[88.558]	2.7	(0.36)	[89.736]	3.5	(0.36)	[90.188]	1.9	(0.34)	[83.807]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-03 9 - 11			NONE 14 CAN97-14-04 14 - 16			NONE 14 CAN97-14-05 19 - 21			NONE 14 CAN97-14-06 24 - 26		
SW7421 - Lead (mg/kg)												
Lead	3.1	(0.27)	[88.558]	1.8	(0.27)	[89.736]	2.3	(0.27)	[90.188]	2.1	(0.25)	[83.807]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.056)	[312.559]	ND	(0.05)	[275.938]	ND	(0.043)	[236.742]	ND	(0.05)	[277.886]
SW7740 - Selenium (mg/kg)												
Selenium	0.69 @	(0.44)	[88.558]	1.2 @	(0.45)	[89.736]	1.1 @	(0.45)	[90.188]	ND	(0.42)	[83.807]
Soil pH (pH units)												
pH	8.4	()	[1.000]	7.6	()	[1.000]	7.5	()	[1.000]	8.6	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
Percent moisture (%)												
Percent moisture	7.1	()	[1.000]	3.9	()	[1.000]	5	()	[1.000]	6.2	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	6400	(18)	[90.909]	3700	(17)	[86.207]	4600	(17)	[86.207]	5600	(18)	[90.909]
Antimony	1.5 @	(9.1)	[90.909]	ND	(8.6)	[86.207]	ND	(8.6)	[86.207]	ND	(9.1)	[90.909]
Arsenic	ND	(27)	[90.909]	2.3 @	(26)	[86.207]	ND	(26)	[86.207]	1.1 @	(27)	[90.909]
Barium	1000	(0.91)	[90.909]	27	(0.86)	[86.207]	22	(0.86)	[86.207]	29	(0.91)	[90.909]
Beryllium	0.2 @	(0.18)	[90.909]	0.14 @	(0.17)	[86.207]	0.17 @	(0.17)	[86.207]	0.19 @	(0.18)	[90.909]
Cadmium	0.19 @	(0.45)	[90.909]	0.13 @	(0.43)	[86.207]	0.0032 @	(0.43)	[86.207]	ND	(0.45)	[90.909]
Calcium	7300	(91)	[90.909]	25000	(86)	[86.207]	23000	(86)	[86.207]	27000	(91)	[90.909]
Chromium	5.2	(0.91)	[90.909]	3.3 @	(0.86)	[86.207]	4.3	(0.86)	[86.207]	5.1	(0.91)	[90.909]
Cobalt	1.4 @	(0.91)	[90.909]	1.1 @	(0.86)	[86.207]	1.5 @	(0.86)	[86.207]	1.4 @	(0.91)	[90.909]
Copper	2.7 @	(1.8)	[90.909]	0.86 @	(1.7)	[86.207]	1.1 @	(1.7)	[86.207]	1.2 @	(1.8)	[90.909]
Iron	4500	(4.5)	[90.909]	3300	(4.3)	[86.207]	4000	(4.3)	[86.207]	4700	(4.5)	[90.909]
Lead	0.41 @	(4.5)	[90.909]	ND	(4.3)	[86.207]	ND	(4.3)	[86.207]	ND	(4.5)	[90.909]
Magnesium	6400	(91)	[90.909]	2300	(86)	[86.207]	3000	(86)	[86.207]	3100	(91)	[90.909]
Manganese	30	(0.91)	[90.909]	39	(0.86)	[86.207]	41	(0.86)	[86.207]	51	(0.91)	[90.909]
Molybdenum	0.027 @	(4.5)	[90.909]	0.1 @	(4.3)	[86.207]	0.28 @	(4.3)	[86.207]	0.12 @	(4.5)	[90.909]
Nickel	5.1 @	(1.8)	[90.909]	3.4 @	(1.7)	[86.207]	3.8 @	(1.7)	[86.207]	4.2 @	(1.8)	[90.909]
Potassium	1300 @	(270)	[90.909]	810 @	(260)	[86.207]	1000 @	(260)	[86.207]	1200 @	(270)	[90.909]
Selenium	0.64 @	(27)	[90.909]	2.8 @	(26)	[86.207]	3.4 @	(26)	[86.207]	4.5 @	(27)	[90.909]
Silver	2.1 @	(0.91)	[90.909]	ND	(0.86)	[86.207]	ND	(0.86)	[86.207]	0.35 @	(0.91)	[90.909]
Sodium	200 @	(91)	[90.909]	90 @	(86)	[86.207]	80 @	(86)	[86.207]	80 @	(91)	[90.909]
Thallium	4.2 @	(9.1)	[90.909]	0.53 @	(8.6)	[86.207]	0.012 @	(8.6)	[86.207]	0.35 @	(9.1)	[90.909]
Vanadium	11	(1.8)	[90.909]	7.4 @	(1.7)	[86.207]	9.7	(1.7)	[86.207]	11	(1.8)	[90.909]
Zinc	9.2	(1.8)	[90.909]	6.4 @	(1.7)	[86.207]	7.6 @	(1.7)	[86.207]	9.1	(1.8)	[90.909]
SW7060 - Arsenic (mg/kg)												
Arsenic	1.3 @	(0.36)	[91.223]	0.89 @	(0.35)	[88.185]	1 @	(0.35)	[86.281]	1.3 @	(0.36)	[88.842]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-07 29 - 31			NONE 14 CAN97-14-08 34 - 36			NONE 14 CAN97-14-09 39 - 41			NONE 14 CAN97-14-10 44 - 46		
SW7421 - Lead (mg/kg)												
Lead	2.4	(0.27)	[91.223]	1.8	(0.26)	[88.185]	1.8	(0.26)	[86.281]	2.2	(0.27)	[88.842]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.048)	[269.107]	ND	(0.047)	[260.146]	ND	(0.041)	[228.833]	ND	(0.053)	[296.138]
SW7740 - Selenium (mg/kg)												
Selenium	0.63 @	(0.46)	[91.223]	ND	(0.44)	[88.185]	ND	(0.43)	[86.281]	ND	(0.44)	[88.842]
SW7841 - Thallium (mg/kg)												
Thallium	ND	(0.46)	[91.223]	NA			NA			NA		
Soil pH (pH units)												
pH	8.4	()	[1.000]	8	()	[1.000]	8.3	()	[1.000]	7.5	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-11 49 - 51			NONE 14 CAN97-14-12 54 - 56			NONE 14 CAN97-14-13 59 - 61			NONE 15 CAN97-15-06 6 - 8		
Percent moisture (%)												
Percent moisture	4.73	()	[1.000]	4.9	()	[1.000]	4.7	()	[1.000]	7.7	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	3200	(18)	[90.909]	3500	(17)	[86.207]	4100	(16)	[81.301]	13000	(16)	[80.645]
Antimony	ND	(9.1)	[90.909]	1.2 @	(8.6)	[86.207]	ND	(8.1)	[81.301]	ND	(81)	[806.452]
Arsenic	1.1 @	(27)	[90.909]	ND	(26)	[86.207]	ND	(24)	[81.301]	7.5 @	(24)	[80.645]
Barium	16	(0.91)	[90.909]	14	(0.86)	[86.207]	27	(0.81)	[81.301]	380	(0.81)	[80.645]
Beryllium	0.12 @	(0.18)	[90.909]	0.13 @	(0.17)	[86.207]	0.15 @	(0.16)	[81.301]	0.45 @	(0.16)	[80.645]
Cadmium	ND	(0.45)	[90.909]	ND	(0.43)	[86.207]	0.04 @	(0.41)	[81.301]	ND	(0.4)	[80.645]
Calcium	18000	(91)	[90.909]	2800	(86)	[86.207]	28000	(81)	[81.301]	120000	(810)	[806.452]
Chromium	3.2 @	(0.91)	[90.909]	3.6 @	(0.86)	[86.207]	4.8	(0.81)	[81.301]	9.4	(0.81)	[80.645]
Cobalt	0.82 @	(0.91)	[90.909]	1.3 @	(0.86)	[86.207]	1.1 @	(0.81)	[81.301]	3 @	(0.81)	[80.645]
Copper	0.81 @	(1.8)	[90.909]	1.9 @	(1.7)	[86.207]	1.5 @	(1.6)	[81.301]	3.9 @	(1.6)	[80.645]
Iron	3100	(4.5)	[90.909]	3800	(4.3)	[86.207]	3900	(4.1)	[81.301]	9100	(40)	[806.452]
Lead	ND	(4.5)	[90.909]	ND	(4.3)	[86.207]	ND	(4.1)	[81.301]	1.2 @	(4)	[80.645]
Magnesium	2400	(91)	[90.909]	2100	(86)	[86.207]	2600	(81)	[81.301]	4000 @	(810)	[806.452]
Manganese	35	(0.91)	[90.909]	43	(0.86)	[86.207]	40	(0.81)	[81.301]	80	(8.1)	[806.452]
Molybdenum	0.03 @	(4.5)	[90.909]	ND	(4.3)	[86.207]	0.11 @	(4.1)	[81.301]	0.39 @	(4)	[80.645]
Nickel	3.1 @	(1.8)	[90.909]	3.6 @	(1.7)	[86.207]	4.3 @	(1.6)	[81.301]	7.7 @	(1.6)	[80.645]
Potassium	680 @	(270)	[90.909]	740 @	(260)	[86.207]	830 @	(240)	[81.301]	2100	(240)	[80.645]
Selenium	0.71 @	(27)	[90.909]	4.3 @	(26)	[86.207]	ND	(24)	[81.301]	ND	(24)	[80.645]
Silver	ND	(0.91)	[90.909]	ND	(0.86)	[86.207]	ND	(0.81)	[81.301]	ND	(0.81)	[80.645]
Sodium	61 @	(91)	[90.909]	47 @	(86)	[86.207]	46 @	(81)	[81.301]	52 @	(81)	[80.645]
Thallium	0.39 @	(9.1)	[90.909]	ND	(8.6)	[86.207]	1.6 @	(8.1)	[81.301]	70	(8.1)	[80.645]
Vanadium	8.6 @	(1.8)	[90.909]	9.5	(1.7)	[86.207]	10	(1.6)	[81.301]	27	(1.6)	[80.645]
Zinc	5.7 @	(1.8)	[90.909]	7.1 @	(1.7)	[86.207]	7.9 @	(1.6)	[81.301]	18	(1.6)	[80.645]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			NA			NA			0.068 @	(0.51)	[84.643]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 14 CAN97-14-11 49 - 51			NONE 14 CAN97-14-12 54 - 56			NONE 14 CAN97-14-13 59 - 61			NONE 15 CAN97-15-06 6 - 8		
SW7060 - Arsenic (mg/kg)												
Arsenic	0.81 @	(0.35)	[86.268]	0.79 @	(0.35)	[87.627]	1.3 @	(0.34)	[86.010]	5	(0.33)	[81.460]
SW7421 - Lead (mg/kg)												
Lead	2.1	(0.26)	[86.721]	2.1	(0.26)	[87.627]	2	(0.26)	[86.010]	4.2	(0.49)	[162.921]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.052)	[291.477]	ND	(0.05)	[276.717]	ND	(0.038)	[209.864]	ND	(0.049)	[270.856]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.43)	[86.721]	ND	(0.44)	[87.627]	ND	(0.43)	[86.010]	0.09 @	(0.41)	[81.460]
SW7841 - Thallium (mg/kg)												
Thallium	NA			NA			NA			0.15 @	(0.41)	[81.460]
Soil pH (pH units)												
pH	8.1	()	[1.000]	7.9	()	[1.000]	8.2	()	[1.000]	8.5	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
Percent moisture (%)												
Percent moisture	8.7	()	[1.000]	2.2	()	[1.000]	7.1	()	[1.000]	4	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	15000	(16)	[81.967]	13000	(15)	[73.035]	15000	(18)	[89.286]	15000	(18)	[90.909]
Antimony	1.8 @	(8.2)	[81.967]	ND	(7.3)	[73.035]	ND @	(8.9)	[89.286]	1.8 @	(9.1)	[90.909]
Arsenic	2.9 @	(25)	[81.967]	ND	(22)	[73.035]	11 @	(110)	[357.143]	ND @	(27)	[90.909]
Barium	80	(0.82)	[81.967]	290	(0.73)	[73.035]	440	(0.89)	[89.286]	82	(0.91)	[90.909]
Beryllium	0.54 @	(0.16)	[81.967]	0.4 @	(0.15)	[73.035]	0.48 @	(0.18)	[89.286]	0.57 @	(0.18)	[90.909]
Cadmium	0.5 @	(0.41)	[81.967]	1.2 @	(0.37)	[73.035]	1.7 @	(1.8)	[357.143]	0.44 @	(0.45)	[90.909]
Calcium	2000	(82)	[81.967]	640000	(730)	[730.000]	140000	(360)	[357.143]	2400	(91)	[90.909]
Chromium	13	(0.82)	[81.967]	11	(0.73)	[73.035]	9.8	(0.89)	[89.286]	14	(0.91)	[90.909]
Cobalt	4.4	(0.82)	[81.967]	2.9 @	(0.73)	[73.035]	3.1 @	(3.6)	[357.143]	4.4 @	(0.91)	[90.909]
Copper	7 @	(1.6)	[81.967]	7.8	(1.5)	[73.035]	5.5 @	(7.1)	[357.143]	8.1 @	(1.8)	[90.909]
Iron	12000	(4.1)	[81.967]	9200	(3.7)	[73.035]	8300	(4.5)	[89.286]	12000	(4.5)	[90.909]
Lead	8.5 @	(4.1)	[81.967]	14 @	(3.7)	[73.035]	5.6 @	(18)	[357.143]	14 @	(4.5)	[90.909]
Magnesium	1900	(82)	[81.967]	2500	(73)	[73.035]	3500	(89)	[89.286]	1800	(91)	[90.909]
Manganese	220	(0.82)	[81.967]	200	(0.73)	[73.035]	92	(0.89)	[89.286]	250	(0.91)	[90.909]
Molybdenum	0.9 @	(4.1)	[81.967]	0.35 @	(3.7)	[73.035]	0.28 @	(4.5)	[89.286]	0.14 @	(4.5)	[90.909]
Nickel	9.8	(1.6)	[81.967]	7.7	(1.5)	[73.035]	9.5 @	(7.1)	[357.143]	10	(1.8)	[90.909]
Potassium	2400	(250)	[81.967]	2200	(220)	[73.035]	2400	(270)	[89.286]	2600	(270)	[90.909]
Selenium	ND	(25)	[81.967]	3.6 @	(22)	[73.035]	ND @	(27)	[89.286]	1.6 @	(27)	[90.909]
Silver	0.00033 @	(0.82)	[81.967]	ND	(0.73)	[73.035]	ND @	(0.89)	[89.286]	ND @	(0.91)	[90.909]
Sodium	30 @	(82)	[81.967]	55 @	(73)	[73.035]	110 @	(89)	[89.286]	32 @	(91)	[90.909]
Thallium	3.2 @	(8.2)	[81.967]	2.7 @	(7.3)	[73.035]	4.2 @	(36)	[357.143]	0.71 @	(9.1)	[90.909]
Vanadium	24	(1.6)	[81.967]	22	(1.5)	[73.035]	24	(1.8)	[89.286]	24	(1.8)	[90.909]
Zinc	27	(1.6)	[81.967]	36	(1.5)	[73.035]	22 @	(7.1)	[357.143]	30	(1.8)	[90.909]
SW7060 - Arsenic (mg/kg)												
Arsenic	3.1	(0.33)	[82.977]	5.6	(0.59)	[147.091]	5.5	(0.72)	[180.912]	5.1	(0.34)	[86.088]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 15 CAN97-15-I 4 - 6			NONE 15 CAN97-15-S 0 - 2			NONE 16 CAN97-16-06 5 - 7			NONE 16 CAN97-16-I 4 - 6		
SW7421 - Lead (mg/kg)												
Lead	6	(0.5)	[165.953]	25	(2.2)	[735.457]	4.7	(0.27)	[90.456]	9.1	(0.52)	[172.176]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.049)	[273.823]	0.024 @	(0.044)	[243.451]	ND @	(0.048)	[269.107]	ND @	(0.045)	[248.016]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.41)	[82.977]	0.63 @	(0.37)	[73.546]	ND @	(0.45)	[90.495]	ND @	(0.43)	[86.052]
Soil pH (pH units)												
pH	7.6	()	[1.000]	7.2	()	[1.000]	8.2	()	[1.000]	7.9	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 16 CAN97-16-99 Dup of CAN97-16-I 0 - 0			NONE 16 CAN97-16-S 0 - 2			NONE 17 CAN97-17-06 6 - 8			NONE 17 CAN97-17-99 Dup of CAN97-17-06 6 - 8		
Percent moisture (%)												
Percent moisture	3.8	()	[1.000]	1.4	()	[1.000]	8.7	()	[1.000]	9.3	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	14000	(18)	[89.286]	15000	(15)	[73.493]	13000	(16)	[81.967]	13000	(16)	[81.967]
Antimony	4 @	(8.9)	[89.286]	ND	(7.3)	[73.493]	14 @	(82)	[820.000]	ND	(82)	[820.000]
Arsenic	ND @	(27)	[89.286]	ND	(22)	[73.493]	10 @	(25)	[81.967]	9.7 @	(25)	[81.967]
Barium	79	(0.89)	[89.286]	80	(0.73)	[73.493]	200	(0.82)	[81.967]	250	(0.82)	[81.967]
Beryllium	0.54 @	(0.18)	[89.286]	0.53 @	(0.15)	[73.493]	0.46 @	(0.16)	[81.967]	0.45 @	(0.16)	[81.967]
Cadmium	0.45 @	(0.45)	[89.286]	0.26 @	(0.37)	[73.493]	0.033 @	(0.41)	[81.967]	0.1 @	(0.41)	[81.967]
Calcium	2300	(89)	[89.286]	2400	(73)	[73.493]	150000	(820)	[820.000]	150000	(820)	[820.000]
Chromium	13	(0.89)	[89.286]	14	(0.73)	[73.493]	9.2	(0.82)	[81.967]	8.8	(0.82)	[81.967]
Cobalt	4.5	(0.89)	[89.286]	4.1	(0.73)	[73.493]	2.9 @	(0.82)	[81.967]	2.4 @	(0.82)	[81.967]
Copper	7.9 @	(1.8)	[89.286]	7.6	(1.5)	[73.493]	4.2 @	(1.6)	[81.967]	3.7 @	(1.6)	[81.967]
Iron	11000	(4.5)	[89.286]	12000	(3.7)	[73.493]	9100	(41)	[820.000]	8700	(41)	[820.000]
Lead	14 @	(4.5)	[89.286]	16 @	(3.7)	[73.493]	ND	(4.1)	[81.967]	ND	(4.1)	[81.967]
Magnesium	1700	(89)	[89.286]	1800	(73)	[73.493]	4000 @	(820)	[820.000]	4000 @	(820)	[820.000]
Manganese	240	(0.89)	[89.286]	230	(0.73)	[73.493]	95	(8.2)	[820.000]	90	(8.2)	[820.000]
Molybdenum	0.78 @	(4.5)	[89.286]	0.38 @	(3.7)	[73.493]	0.65 @	(4.1)	[81.967]	0.57 @	(4.1)	[81.967]
Nickel	8.9 @	(1.8)	[89.286]	10	(1.5)	[73.493]	7.5 @	(1.6)	[81.967]	7.2 @	(1.6)	[81.967]
Potassium	2500	(270)	[89.286]	2900	(220)	[73.493]	2100	(250)	[81.967]	2000	(250)	[81.967]
Selenium	ND @	(27)	[89.286]	0.67 @	(22)	[73.493]	ND	(25)	[81.967]	0.066 @	(25)	[81.967]
Silver	ND @	(0.89)	[89.286]	ND	(0.73)	[73.493]	ND	(0.82)	[81.967]	ND	(0.82)	[81.967]
Sodium	31 @	(89)	[89.286]	22 @	(73)	[73.493]	67 @	(82)	[81.967]	66 @	(82)	[81.967]
Thallium	1.7 @	(8.9)	[89.286]	0.92 @	(7.3)	[73.493]	66	(8.2)	[81.967]	71	(8.2)	[81.967]
Vanadium	22	(1.8)	[89.286]	25	(1.5)	[73.493]	21	(1.6)	[81.967]	21	(1.6)	[81.967]
Zinc	29	(1.8)	[89.286]	33	(1.5)	[73.493]	18	(1.6)	[81.967]	17	(1.6)	[81.967]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			NA			NA			0.093 @	(0.47)	[77.643]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 16 CAN97-16-99 Dup of CAN97-16-I 0 - 0			NONE 16 CAN97-16-S 0 - 2			NONE 17 CAN97-17-06 6 - 8			NONE 17 CAN97-17-99 Dup of CAN97-17-06 6 - 8		
SW7060 - Arsenic (mg/kg)												
Arsenic	5.1	(0.34)	[85.205]	3.9	(0.31)	[76.818]	3.8	(0.33)	[82.977]	4.6	(0.33)	[82.897]
SW7421 - Lead (mg/kg)												
Lead	8.8	(0.51)	[170.410]	11	(0.92)	[307.271]	3.6	(0.25)	[82.977]	3.4	(0.25)	[82.897]
SW7471 - Mercury (mg/kg)												
Mercury	ND @	(0.047)	[259.875]	0.027 @	(0.038)	[211.291]	ND	(0.049)	[273.823]	ND	(0.05)	[275.634]
SW7740 - Selenium (mg/kg)												
Selenium	ND @	(0.43)	[85.170]	0.45 @	(0.38)	[76.818]	1.1 @	(0.41)	[82.977]	1.1 @	(0.41)	[82.897]
SW7841 - Thallium (mg/kg)												
Thallium	NA			NA			0.13 @	(0.41)	[82.977]	0.19 @	(0.41)	[82.897]
Soil pH (pH units)												
pH	7.8	()	[1.000]	7.7	()	[1.000]	8.4	()	[1.000]	8.5	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 17 CAN97-17-I 4 - 6			NONE 17 CAN97-17-S 0 - 2			NONE 18 CAN97-18-06 5 - 7			NONE 18 CAN97-18-I 4 - 6		
Percent moisture (%)												
Percent moisture	9.3	()	[1.000]	0.19	()	[1.000]	7.8	()	[1.000]	9.6	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	15000	(17)	[82.645]	2900	(15)	[75.902]	14000	(160)	[820.000]	21000	(17)	[84.034]
Antimony	4.5 @	(8.3)	[82.645]	ND	(7.6)	[75.902]	12 @	(82)	[820.000]	3.1 @	(8.4)	[84.034]
Arsenic	9.1 @	(25)	[82.645]	ND	(23)	[75.902]	11 @	(24)	[80.000]	6.2 @	(25)	[84.034]
Barium	80	(0.83)	[82.645]	460	(0.76)	[75.902]	320	(0.8)	[80.000]	90	(0.84)	[84.034]
Beryllium	0.58 @	(0.17)	[82.645]	0.12 @	(0.15)	[75.902]	0.5 @	(0.16)	[80.000]	0.76 @	(0.17)	[84.034]
Cadmium	0.27 @	(0.41)	[82.645]	0.047 @	(0.38)	[75.902]	ND	(0.4)	[80.000]	0.4 @	(0.42)	[84.034]
Calcium	4000	(83)	[82.645]	75000	(760)	[759.000]	130000	(820)	[820.000]	2800	(84)	[84.034]
Chromium	14	(0.83)	[82.645]	2.8 @	(0.76)	[75.902]	9.4	(0.8)	[80.000]	17	(0.84)	[84.034]
Cobalt	4.6	(0.83)	[82.645]	1.2 @	(0.76)	[75.902]	3.1 @	(0.8)	[80.000]	5	(0.84)	[84.034]
Copper	7.5 @	(1.7)	[82.645]	2 @	(1.5)	[75.902]	5.6 @	(1.6)	[80.000]	9.6	(1.7)	[84.034]
Iron	12000	(4.1)	[82.645]	4700	(3.8)	[75.902]	10000	(41)	[820.000]	15000	(4.2)	[84.034]
Lead	9.1 @	(4.1)	[82.645]	2 @	(3.8)	[75.902]	ND	(4)	[80.000]	9.2 @	(4.2)	[84.034]
Magnesium	1800	(83)	[82.645]	1200	(76)	[75.902]	4700	(820)	[820.000]	2400	(84)	[84.034]
Manganese	240	(0.83)	[82.645]	460	(0.76)	[75.902]	110	(8.2)	[820.000]	230	(0.84)	[84.034]
Molybdenum	0.88 @	(4.1)	[82.645]	0.0023 @	(3.8)	[75.902]	0.82 @	(4)	[80.000]	0.59 @	(4.2)	[84.034]
Nickel	9.4	(1.7)	[82.645]	5.6 @	(1.5)	[75.902]	7 @	(1.6)	[80.000]	13	(1.7)	[84.034]
Potassium	2600	(250)	[82.645]	510 @	(230)	[75.902]	2100	(240)	[80.000]	3100	(250)	[84.034]
Selenium	ND	(25)	[82.645]	3.4 @	(23)	[75.902]	ND	(24)	[80.000]	1.6 @	(25)	[84.034]
Silver	0.098 @	(0.83)	[82.645]	0.13 @	(0.76)	[75.902]	ND	(0.8)	[80.000]	0.16 @	(0.84)	[84.034]
Sodium	33 @	(83)	[82.645]	41 @	(76)	[75.902]	110 @	(80)	[80.000]	71 @	(84)	[84.034]
Thallium	4.5 @	(8.3)	[82.645]	ND	(7.6)	[75.902]	72	(8)	[80.000]	7.2 @	(8.4)	[84.034]
Vanadium	25	(1.7)	[82.645]	15	(1.5)	[75.902]	26	(1.6)	[80.000]	32	(1.7)	[84.034]
Zinc	28	(1.7)	[82.645]	11	(1.5)	[75.902]	19	(1.6)	[80.000]	35	(1.7)	[84.034]
SW7060 - Arsenic (mg/kg)												
Arsenic	3.2	(0.33)	[82.279]	9	(0.62)	[155.334]	4.2	(0.33)	[81.549]	4.2	(0.33)	[83.173]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 17 CAN97-17-I 4 - 6			NONE 17 CAN97-17-S 0 - 2			NONE 18 CAN97-18-06 5 - 7			NONE 18 CAN97-18-I 4 - 6		
SW7421 - Lead (mg/kg)												
Lead	7.7	(0.49)	[164.558]	120	(9.3)	[106.677]	4.3	(0.49)	[163.098]	7.2	(0.5)	[166.345]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.05)	[275.634]	0.098 @	(0.047)	[263.659]	ND	(0.049)	[271.150]	ND	(0.05)	[276.549]
SW7740 - Selenium (mg/kg)												
Selenium	0.16 @	(0.41)	[82.279]	0.4 @	(0.39)	[77.667]	ND	(0.41)	[81.549]	ND	(0.42)	[83.173]
SW7841 - Thallium (mg/kg)												
Thallium	NA			NA			0.13 @	(0.41)	[81.549]	0.19 @	(0.42)	[83.173]
Soil pH (pH units)												
pH	8.5	()	[1.000]	7.1	()	[1.000]	8.3	()	[1.000]	7.3	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2		
Percent moisture (%)												
Percent moisture	0.59	()	[1.000]	4.4	()	[1.000]	4.7	()	[1.000]	0.39	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	10000	(15)	[72.894]	16000	(16)	[78.125]	12000	(15)	[76.923]	14000	(14)	[71.708]
Antimony	ND	(7.3)	[72.894]	2 @	(7.8)	[78.125]	0.017 @	(7.7)	[76.923]	ND	(7.2)	[71.708]
Arsenic	ND	(22)	[72.894]	9 @	(23)	[78.125]	6.8 @	(23)	[76.923]	1.6 @	(22)	[71.708]
Barium	81	(0.73)	[72.894]	99	(0.78)	[78.125]	83	(0.77)	[76.923]	100	(0.72)	[71.708]
Beryllium	0.46 @	(0.15)	[72.894]	0.55 @	(0.16)	[78.125]	0.45 @	(0.15)	[76.923]	0.45 @	(0.14)	[71.708]
Cadmium	0.25 @	(0.36)	[72.894]	0.17 @	(0.39)	[78.125]	0.049 @	(0.38)	[76.923]	0.31 @	(0.36)	[71.708]
Calcium	8700	(73)	[72.894]	23000	(78)	[78.125]	25000	(77)	[76.923]	30000	(72)	[71.708]
Chromium	9.7	(0.73)	[72.894]	13	(0.78)	[78.125]	10	(0.77)	[76.923]	12	(0.72)	[71.708]
Cobalt	3.7	(0.73)	[72.894]	3.7 @	(0.78)	[78.125]	3.6 @	(0.77)	[76.923]	2.9 @	(0.72)	[71.708]
Copper	7 @	(1.5)	[72.894]	6.7 @	(1.6)	[78.125]	6.7 @	(1.5)	[76.923]	6.4 @	(1.4)	[71.708]
Iron	9300	(3.6)	[72.894]	11000	(3.9)	[78.125]	9100	(3.8)	[76.923]	9900	(3.6)	[71.708]
Lead	12 @	(3.6)	[72.894]	6.7 @	(3.9)	[78.125]	7.1 @	(3.8)	[76.923]	13 @	(3.6)	[71.708]
Magnesium	1600	(73)	[72.894]	2500	(78)	[78.125]	1800	(77)	[76.923]	1900	(72)	[71.708]
Manganese	210	(0.73)	[72.894]	150	(0.78)	[78.125]	150	(0.77)	[76.923]	200	(0.72)	[71.708]
Molybdenum	0.34 @	(3.6)	[72.894]	0.73 @	(3.9)	[78.125]	0.46 @	(3.8)	[76.923]	0.21 @	(3.6)	[71.708]
Nickel	8.5	(1.5)	[72.894]	8.9	(1.6)	[78.125]	6.7 @	(1.5)	[76.923]	8.5	(1.4)	[71.708]
Potassium	2300	(220)	[72.894]	2700	(230)	[78.125]	2100	(230)	[76.923]	2400	(220)	[71.708]
Selenium	4.9 @	(22)	[72.894]	ND	(23)	[78.125]	ND	(23)	[76.923]	2.4 @	(22)	[71.708]
Silver	ND	(0.73)	[72.894]	ND	(0.78)	[78.125]	ND	(0.77)	[76.923]	ND	(0.72)	[71.708]
Sodium	19 @	(73)	[72.894]	46 @	(78)	[78.125]	43 @	(77)	[76.923]	41 @	(72)	[71.708]
Thallium	ND	(7.3)	[72.894]	8.3 @	(7.8)	[78.125]	9.7 @	(7.7)	[76.923]	1.7 @	(7.2)	[71.708]
Vanadium	19	(1.5)	[72.894]	24	(1.6)	[78.125]	19	(1.5)	[76.923]	23	(1.4)	[71.708]
Zinc	26	(1.5)	[72.894]	28	(1.6)	[78.125]	33	(1.5)	[76.923]	130	(1.4)	[71.708]
SW7060 - Arsenic (mg/kg)												
Arsenic	6.6	(0.59)	[146.852]	5	(0.31)	[77.483]	4.1	(0.3)	[76.038]	4.5	(0.29)	[71.708]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 18 CAN97-18-S 0 - 2			NONE 19 CAN97-19-06 5 - 7			NONE 19 CAN97-19-I 4 - 6			NONE 19 CAN97-19-S 0 - 2		
SW7421 - Lead (mg/kg)												
Lead	14	(0.88)	[293.704]	6.5	(0.46)	[154.967]	8.9	(0.46)	[152.075]	16	(0.86)	[286.833]
SW7471 - Mercury (mg/kg)												
Mercury	0.032 @	(0.048)	[264.720]	ND	(0.047)	[261.506]	ND	(0.047)	[262.329]	0.038 @	(0.043)	[239.027]
SW7740 - Selenium (mg/kg)												
Selenium	0.25 @	(0.37)	[73.426]	ND	(0.39)	[77.483]	ND	(0.38)	[76.038]	0.35 @	(0.36)	[71.708]
SW7841 - Thallium (mg/kg)												
Thallium	NA			0.15 @	(0.39)	[77.483]	0.084 @	(0.38)	[76.038]	NA		
Soil pH (pH units)												
pH	7.9	()	[1.000]	8.2	()	[1.000]	8.3	()	[1.000]	8	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID: NONE LOCATION ID: 19 SAMPLE ID: CAN97-19-99 Dup of CAN97-19-S BEG. DEPTH - END DEPTH (FT.): 0 - 2			SITE ID: NONE LOCATION ID: 20 SAMPLE ID: CAN97-20-06 BEG. DEPTH - END DEPTH (FT.): 7 - 9			SITE ID: NONE LOCATION ID: 20 SAMPLE ID: CAN97-20-I BEG. DEPTH - END DEPTH (FT.): 4 - 6			SITE ID: NONE LOCATION ID: 20 SAMPLE ID: CAN97-20-S BEG. DEPTH - END DEPTH (FT.): 0 - 2		
Percent moisture (%)												
Percent moisture	0.59	()	[1.000]	6.6	()	[1.000]	8.6	()	[1.000]	2	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	4100	(15)	[76.207]	15000	(18)	[90.909]	18000	(18)	[87.719]	12000	(15)	[76.722]
Antimony	ND	(7.6)	[76.207]	ND @	(9.1)	[90.909]	ND @	(8.8)	[87.719]	ND	(7.7)	[76.722]
Arsenic	5.2 @	(23)	[76.207]	ND @	(27)	[90.909]	ND @	(26)	[87.719]	ND	(23)	[76.722]
Barium	680	(0.76)	[76.207]	180	(0.91)	[90.909]	99	(0.88)	[87.719]	130	(0.77)	[76.722]
Beryllium	0.19 @	(0.15)	[76.207]	0.58 @	(0.18)	[90.909]	0.63 @	(0.18)	[87.719]	0.42 @	(0.15)	[76.722]
Cadmium	0.13 @	(0.38)	[76.207]	0.34 @	(0.45)	[90.909]	0.31 @	(0.44)	[87.719]	0.31 @	(0.38)	[76.722]
Calcium	26000	(760)	[762.000]	26000	(91)	[90.909]	11000	(88)	[87.719]	25000	(77)	[76.722]
Chromium	4.8	(0.76)	[76.207]	12	(0.91)	[90.909]	15	(0.88)	[87.719]	11	(0.77)	[76.722]
Cobalt	2.3 @	(0.76)	[76.207]	4 @	(0.91)	[90.909]	4.3 @	(0.88)	[87.719]	3.3 @	(0.77)	[76.722]
Copper	3.8 @	(1.5)	[76.207]	6.4 @	(1.8)	[90.909]	7.8 @	(1.8)	[87.719]	10	(1.5)	[76.722]
Iron	6600	(3.8)	[76.207]	11000	(4.5)	[90.909]	13000	(4.4)	[87.719]	9900	(3.8)	[76.722]
Lead	23	(3.8)	[76.207]	8.6 @	(4.5)	[90.909]	14 @	(4.4)	[87.719]	16 @	(3.8)	[76.722]
Magnesium	1700	(76)	[76.207]	2600	(91)	[90.909]	2100	(88)	[87.719]	1700	(77)	[76.722]
Manganese	650	(0.76)	[76.207]	130	(0.91)	[90.909]	170	(0.88)	[87.719]	300	(0.77)	[76.722]
Molybdenum	0.17 @	(3.8)	[76.207]	0.34 @	(4.5)	[90.909]	1.1 @	(4.4)	[87.719]	0.42 @	(3.8)	[76.722]
Nickel	6.7 @	(1.5)	[76.207]	10	(1.8)	[90.909]	11	(1.8)	[87.719]	8.2	(1.5)	[76.722]
Potassium	780 @	(230)	[76.207]	2400	(270)	[90.909]	2600	(260)	[87.719]	2300	(230)	[76.722]
Selenium	5.8 @	(23)	[76.207]	ND @	(27)	[90.909]	ND @	(26)	[87.719]	6.3 @	(23)	[76.722]
Silver	ND	(0.76)	[76.207]	ND @	(0.91)	[90.909]	ND @	(0.88)	[87.719]	ND	(0.77)	[76.722]
Sodium	47 @	(76)	[76.207]	88 @	(91)	[90.909]	64 @	(88)	[87.719]	34 @	(77)	[76.722]
Thallium	0.31 @	(7.6)	[76.207]	2.9 @	(9.1)	[90.909]	2.3 @	(8.8)	[87.719]	ND	(7.7)	[76.722]
Vanadium	22	(1.5)	[76.207]	21	(1.8)	[90.909]	27	(1.8)	[87.719]	20	(1.5)	[76.722]
Zinc	16	(1.5)	[76.207]	24	(1.8)	[90.909]	32	(1.8)	[87.719]	63	(1.5)	[76.722]
SW7060 - Arsenic (mg/kg)												
Arsenic	5	(0.61)	[153.578]	5.2	(0.36)	[89.972]	5.6	(0.36)	[88.951]	4.5	(0.31)	[77.878]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 19 CAN97-19-99 Dup of CAN97-19-S 0 - 2			NONE 20 CAN97-20-06 7 - 9			NONE 20 CAN97-20-I 4 - 6			NONE 20 CAN97-20-S 0 - 2		
SW7421 - Lead (mg/kg)												
Lead	9	(0.46)	[153.578]	5.6	(0.27)	[89.972]	8	(0.53)	[177.901]	23	(2.3)	[778.779]
SW7471 - Mercury (mg/kg)												
Mercury	0.04 @	(0.048)	[264.720]	ND @	(0.046)	[254.920]	ND @	(0.047)	[260.498]	0.026 @	(0.046)	[255.102]
SW7740 - Selenium (mg/kg)												
Selenium	0.48 @	(0.38)	[76.789]	ND @	(0.45)	[89.943]	ND @	(0.44)	[88.912]	0.29 @	(0.39)	[77.878]
Soil pH (pH units)												
pH	7.2	()	[1.000]	8.4	()	[1.000]	8.4	()	[1.000]	7.9	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 21 CAN97-21-06 5 - 7			NONE 21 CAN97-21-99 Dup of CAN97-21-06 5 - 7			NONE 21 CAN97-21-I 4 - 6			NONE 21 CAN97-21-S 0 - 2		
Percent moisture (%)												
Percent moisture	4.4	()	[1.000]	5	()	[1.000]	4.8	()	[1.000]	0.19	()	[1.000]
SW6010 - Metals (mg/kg)												
Aluminum	17000	(16)	[77.519]	10000	(64)	[320.000]	12000	(16)	[79.365]	11000	(15)	[74.215]
Antimony	6.5 @	(7.8)	[77.519]	ND	(32)	[320.000]	ND	(79)	[793.651]	ND	(7.4)	[74.215]
Arsenic	4.6 @	(23)	[77.519]	4.2 @	(24)	[80.000]	5.3 @	(24)	[79.365]	3.1 @	(22)	[74.215]
Barium	75	(0.78)	[77.519]	430	(3.2)	[320.000]	170	(0.79)	[79.365]	150	(0.74)	[74.215]
Beryllium	0.62 @	(0.16)	[77.519]	0.35 @	(0.16)	[80.000]	0.39 @	(0.16)	[79.365]	0.33 @	(0.15)	[74.215]
Cadmium	0.29 @	(0.39)	[77.519]	0.0084 @	(0.4)	[80.000]	ND	(0.4)	[79.365]	0.13 @	(0.37)	[74.215]
Calcium	2900	(78)	[77.519]	160000	(320)	[320.000]	150000	(790)	[793.651]	170000	(740)	[742.000]
Chromium	14	(0.78)	[77.519]	7	(0.8)	[80.000]	8.6	(0.79)	[79.365]	7.3	(0.74)	[74.215]
Cobalt	4.4	(0.78)	[77.519]	2.3 @	(0.8)	[80.000]	2.5 @	(0.79)	[79.365]	2 @	(0.74)	[74.215]
Copper	6.6 @	(1.6)	[77.519]	3.5 @	(1.6)	[80.000]	4.4 @	(1.6)	[79.365]	3.9 @	(1.5)	[74.215]
Iron	12000	(3.9)	[77.519]	7000	(16)	[320.000]	8000	(40)	[793.651]	6200	(3.7)	[74.215]
Lead	7.3 @	(3.9)	[77.519]	ND	(4)	[80.000]	ND	(4)	[79.365]	ND	(3.7)	[74.215]
Magnesium	2300	(78)	[77.519]	2900	(320)	[320.000]	3100 @	(790)	[793.651]	2600	(74)	[74.215]
Manganese	140	(0.78)	[77.519]	110	(3.2)	[320.000]	110	(7.9)	[793.651]	89	(0.74)	[74.215]
Molybdenum	0.8 @	(3.9)	[77.519]	0.15 @	(4)	[80.000]	0.25 @	(4)	[79.365]	ND	(3.7)	[74.215]
Nickel	11	(1.6)	[77.519]	6 @	(1.6)	[80.000]	6.4 @	(1.6)	[79.365]	6.1 @	(1.5)	[74.215]
Potassium	2500	(230)	[77.519]	1600	(240)	[80.000]	2000	(240)	[79.365]	2200	(220)	[74.215]
Selenium	ND	(23)	[77.519]	1.7 @	(24)	[80.000]	3.2 @	(24)	[79.365]	1.4 @	(22)	[74.215]
Silver	0.15 @	(0.78)	[77.519]	ND	(0.8)	[80.000]	ND	(0.79)	[79.365]	ND	(0.74)	[74.215]
Sodium	39 @	(78)	[77.519]	73 @	(80)	[80.000]	84 @	(79)	[79.365]	43 @	(74)	[74.215]
Thallium	3.3 @	(7.8)	[77.519]	67	(8)	[80.000]	65	(7.9)	[79.365]	ND	(7.4)	[74.215]
Vanadium	26	(1.6)	[77.519]	15	(1.6)	[80.000]	18	(1.6)	[79.365]	15	(1.5)	[74.215]
Zinc	27	(1.6)	[77.519]	14	(1.6)	[80.000]	16	(1.6)	[79.365]	17	(1.5)	[74.215]
SW7041 - Antimony by AA (mg/kg)												
Antimony	NA			NA			0.016 @	(0.49)	[82.064]	NA		

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

TABLE B2 RESULTS OF INORGANIC ANALYSES FOR SOIL SAMPLES, CANNON LANDFILL 25.

PARAMETER	SITE ID LOCATION ID SAMPLE ID BEG. DEPTH - END DEPTH (FT.)											
	NONE 21 CAN97-21-06 5 - 7			NONE 21 CAN97-21-99 Dup of CAN97-21-06 5 - 7			NONE 21 CAN97-21-I 4 - 6			NONE 21 CAN97-21-S 0 - 2		
SW7060 - Arsenic (mg/kg)												
Arsenic	4.1	(0.31)	[76.914]	2.7	(0.32)	[80.017]	3.7	(0.32)	[79.577]	4	(0.3)	[75.331]
SW7421 - Lead (mg/kg)												
Lead	4.5	(0.23)	[76.914]	3.1	(0.24)	[80.017]	3.4	(0.48)	[159.155]	4.2	(0.45)	[150.662]
SW7471 - Mercury (mg/kg)												
Mercury	ND	(0.047)	[261.506]	ND	(0.047)	[262.055]	ND	(0.047)	[262.605]	0.023 @	(0.045)	[250.476]
SW7740 - Selenium (mg/kg)												
Selenium	ND	(0.38)	[76.914]	0.85 @	(0.4)	[80.017]	0.47 @	(0.4)	[79.577]	1.1 @	(0.38)	[75.331]
SW7841 - Thallium (mg/kg)												
Thallium	NA			0.04 @	(0.4)	[80.017]	0.12 @	(0.4)	[79.577]	NA		
Soil pH (pH units)												
pH	7.6	()	[1.000]	8.5	()	[1.000]	8.5	()	[1.000]	7.9	()	[1.000]

Compiled: 2 February 1993 () = Reporting Limit [] = Factor ND = Not Detected NA = Not Applicable

APPENDIX C

BORING LOGS

FOR LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

HTW DRILLING LOG

HOLE NO. 2A		
1. COMPANY NAME: Radian Corporation	2. DRILLING CONTRACTOR: Southwest Engineer'g	SHEET 1 OF 2 SHEETS
3. PROJECT: Cannon AFB Landfill 25 RI	4. LOCATION: Clovis, N.M.	
5. NAME OF DRILLER: Alex Sanchez	6. MANUFACTURER'S DESIGNATION OF DRILL: CME-55	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.	8. HOLE LOCATION: 1235671.3 North 811048.5 East	
	9. SURFACE ELEVATION: 4279.6'	
	10. DATE STARTED: 10/7/92	11. DATE COMPLETED: 10/7/92
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: N/A	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 10.0 Borehole	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		2

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
3	4	4	4	2	2	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovach

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4279.6	0	Sand with low percentage of clay; very fine to medium grained sand; 0-4'; debris (concrete, asphalt, etc.) in top 6"	0 ppm	2A-S	2A-S		Surface sample
4278.6	1						
4277.6	2						
4276.6	3						
4275.6	4						
4274.6	5						

HTW DRILLING LOG

HOLE NO. 2A

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		White to buff-red, sandy silt; compact; friable; very fine sands; 4-7	0 ppm		2A-I	6/7/6/4	24" Recovery Interval 5-7'
4273.6	6						
4272.6	7						
4271.6	8	Same as above except color is buff-red; 7-10'	0 ppm	2A-06	2A-06	4/6/6/8	24" Recovery Interval 8-10'
4270.6	9						
4269.6	10	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	2B
SHEET	1 OF 2 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA 3 Inch Stainless Steel Split Spoon Sampler Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1235681.2 North 811055.4 East
9. SURFACE ELEVATION	4279.6'
10. DATE STARTED	10/7/92
11. DATE COMPLETED	10/7/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	10.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X--		2

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
3	4	4	4	1	1	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovath

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4279.6	0	Red sand; fine; dry to moist; loose with some clay; debris present (concrete); 0-4'	0 ppm		2B-S		Surface sample
4278.6	1						
4277.6	2						
4276.6	3						
4275.6	4						
4274.6	5						

HTW DRILLING LOG

HOLE NO.	
2B	

PROJECT	INSPECTOR	SHEET 2
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Sandy silt; buff-red to red; compact; friable; very fine to fine sand; 4-10'	0 ppm	2B-I	2B-I	5/9/9/8	24" recovery Interval 5-7'
4273.6	6						
4272.6	7						
4271.6	8	Same as above	0 ppm	2B-06	2B-06	15/10/ 10/11	24" recovery Interval 8-10'
4270.6	9						
4269.6	10	Bottom of hole.					

HTW DRILLING LOG

HOLE NO. 3A		
1. COMPANY NAME: Radian Corporation	2. DRILLING CONTRACTOR: Southwest Engineer'g	SHEET 1 OF 4 SHEETS
3. PROJECT: Cannon AFB Landfill 25 RI	4. LOCATION: Clovis, N.M.	
5. NAME OF DRILLER: Alex Sanchez	6. MANUFACTURER'S DESIGNATION OF DRILL: CME-55	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.	8. HOLE LOCATION: 1235634.5 North 810790.4 East	
	9. SURFACE ELEVATION: 4290.0'	
	10. DATE STARTED: 10/1/92	11. DATE COMPLETED: 10/4/92
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: N/A	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 25.0 Borehole	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		3

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	2	2	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovach

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4290.0	0	Dirt, pebbles, clay balls, very little debris; 0-5'					
4289.0	1						
4288.0	2						
4287.0	3						
4286.0	4						
4285.0	5						

HTW DRILLING LOG

HOLE NO.	PROJECT	INSPECTOR	SHEET
3A	Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	2 OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Clay balls, burnt charcoal, glass, no debris; 5-10'					
4284.0	6						
4283.0	7						
4282.0	8						
4281.0	9						
4280.0	10	Burnt layer at 10'; wire, metal, glass; chunks of brick at 15'; 10-15'					
4279.0	11						
4278.0	12						
4277.0	13						
4276.0	14						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	3A
		SHEET 3 OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4275.0	15	Burnt soft fill material above red to white, loose caliche; 15-19'	0 ppm		3A-S 3A-95	Not recorded	3A-95 MRD Split 24" recovery Interval 15-17'
4274.0	16						
4273.0	17						
4272.0	18						
4271.0	19						
4270.0	20	Sand with silt and clay; loose chunks of caliche present; clay content higher than other samples; red to buff-white caliche nodules 10%; 19-25'	0 ppm	3A-I	3A-I	Not recorded	24" recovery Interval 20-22'
4269.0	21						
4268.0	22						
4267.0	23						

HTW DRILLING LOG

HOLE NO.	
3A	

PROJECT	INSPECTOR	SHEET 4
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4266.0	24		0 ppm	3A-06	3A-06	Not recorded	24" recovery Interval 24-26'
4265.0	25	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	3AA
1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
SHEET	1 OF 4 SHEETS
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1235636.0 North 810794.2 East
9. SURFACE ELEVATION	4289.8'
10. DATE STARTED	10/4/92
11. DATE COMPLETED	10/4/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	25.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		3

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	2	2	100 %

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Roberts

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4289.8	0	Dirt, pebbles, clay balls, very little debris; 0-5'					
4288.8	1						
4287.8	2						
4286.8	3						
4285.8	4						
4284.8	5						

HTW DRILLING LOG

HOLE NO.	
3AA	

PROJECT	INSPECTOR	SHEET 2
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Clay balls, burnt charcoal material, glass, no significant debris yet; 5-10'					
4283.8	6						
4282.8	7						
4281.8	8						
4280.8	9						
4279.8	10	Burnt layer at 10'; wire, glass, pieces of metal, chunks of brick. At 15' red layer under black appes in soil; 10-15'					
4278.8	11						
4277.8	12						
4276.8	13						
4275.8	14						

HTW DRILLING LOG

HOLE NO. 3AA

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 3 OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.8	15	Native soil, burnt soft fill material on top of unconsolidated caliche, red to white; 15-19'	0 ppm		3A-S 3A-95	9/14/ 13/13	3A-95 is DUP 24" recovery Interval 15-17'
4273.8	16						
4272.8	17						
4271.8	18						
4270.8	19	Unconsolidated sand with silts & clays. Chunks of caliche are present. Higher clay content than other samples; buff white to red; 19-25'	0 ppm	3A-I	3A-I	10/5/ 6/8	24" recovery Interval 19-21'
4269.8	20						
4268.8	21						
4267.8	22						
4266.8	23						

HTW DRILLING LOG

HOLE NO.
3AA

PROJECT	INSPECTOR	SHEET 4
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		23'; same as above	0 ppm	3A-06	3A-06 CLP	29/25/ 19/18	24" recovery Interval 23-25'
4265.8	24						
		Bottom of hole.					
4264.8	25						

HTW DRILLING LOG

HOLE NO.	3AAA
SHEET 1 OF 3 SHEETS	

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA 3 Inch Stainless Steel Split Spoon Sampler Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1235638.5 North 810796.4 East
9. SURFACE ELEVATION	4289.7'
10. DATE STARTED	10/13/92
11. DATE COMPLETED	10/13/92
12. OVERBURDEN THICKNESS	N/A
13. DEPTH DRILLED INTO ROCK	N/A
14. TOTAL DEPTH OF HOLE	20.0 Borehole
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0	X		1

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
1	1	--	--	--	--	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kroeth

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4289.7	0	Dirt, pebbles, clay balls, very little debris; 0-5'					
4288.7	1						
4287.7	2						
4286.7	3						
4285.7	4						
4284.7	5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	3AAA
		SHEET 2 OF 3 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Clay balls, burnt charcoal, glass, no debris; 5-10'					
4283.7	6						
4282.7	7						
4281.7	8						
4280.7	9						
4279.7	10	Fill material; soft, burnt layer at 10', wire, metal, glass, chunks of brick at 15'; 10-15'					
4278.7	11						
4277.7	12						
4276.7	13						
4275.7	14						

HTW DRILLING LOG

HOLE NO.	
3AAA	
SHEET 3 OF 3 SHEETS	

PROJECT	INSPECTOR
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.7	15						
		Burnt, soft, fill material, above red to white sand; 15-19'					
4273.7	16						
4272.7	17						
4271.7	18						
4270.7	19						
		Sand w/ silt & clay w/ caliche nodules, red to red-brown, higher clay content; 19-20'	0 ppm		3A-I	5/7/ 12/22	24" recovery Interval 19-21'
		Bottom of hole.					
4269.7	20						

HTW DRILLING LOG

HOLE NO.	3B
SHEET	1 OF 4 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1235647.2 North 810785.4 East
9. SURFACE ELEVATION	4289.2'
10. DATE STARTED	10/3/92
11. DATE COMPLETED	10/3/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	25.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		3

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
3	4	4	4	2	2	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovach

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4289.2	0	Dirt, pebbles, some clay balls, cement-fill; 0-5'					
4288.2	1						
4287.2	2						
4286.2	3						
4285.2	4						
4284.2	5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	3B
		SHEET 2 OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Clayey sand; 5-10'					
4283.2	6						
4282.2	7						
4281.2	8						
4280.2	9						
4279.2	10	Charred layer at 10-12' followed by burnt red clay (similar to soil beneath a basalt flow); 10-15'					
4278.2	11						
4277.2	12						
4276.2	13						
4275.2	14						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	3B
		SHEET 3 OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.2	15	Native soil: silty sand with caliche material; 15-20'					
4273.2	16		0 ppm	3B-S	3B-S	9/12/ 11/10	24" recovery Interval 16-18'
4272.2	17						
4271.2	18						
4270.2	19						
4269.2	20	Clayey, silty sand; red with buff white caliche/sand interbeds; clay content in red sand higher than in other samples; 20-25'	0 ppm		3B-I	4/10/ 10/6	24" recovery Interval 20-22'
4268.2	21						
4267.2	22						
4266.2	23						

HTW DRILLING LOG

HOLE NO.	
3B	

PROJECT	INSPECTOR	SHEET 4
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 4 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Alternating layers continue; insitu pebbles of well cemented sands	0 ppm	3B-06	3B-06	15/23/ 16/29	24" recovery Interval 23-25'
4265.2	24						
		Bottom of hole.					
4264.2	25						

HTW DRILLING LOG

HOLE NO. 3C		
1. COMPANY NAME: Radian Corporation	2. DRILLING CONTRACTOR: Southwest Engineer'g	SHEET 1 OF 9 SHEETS
3. PROJECT: Cannon AFB Landfill 25 RI	4. LOCATION: Clovis, N.M.	
5. NAME OF DRILLER: Alex Sanchez	6. MANUFACTURER'S DESIGNATION OF DRILL: CME-55	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.	8. HOLE LOCATION: 1235639.7 North 810790.4 East	
	9. SURFACE ELEVATION: 4289.5'	
	10. DATE STARTED: 10/12/92	11. DATE COMPLETED: 10/12/92
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: N/A	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 73.0 Borehole	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		13

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
15	15	15	15	5	5	89.1

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4289.5	0	Fill: sand & gravel; red, fine grained sand with 1 to 2" diameter gravels-sub rounded; wire, glass, & metal; 0-2'					
4288.5	1						
4287.5	2						
4286.5	3						
4285.5	4						
4284.5	5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	3C
		SHEET 2 OF 9 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Dark brown to brown sand; some clay; 2-7'					
4283.5	6						
4282.5	7	Pieces of coal and burnt material from 7 to 10'					
4281.5	8						
4280.5	9						
4279.5	10	10-11': cement; same fill material as above					
4278.5	11						
		Black ash material (sand, silt, clay, brick, gravel); 11.5-13'					
4277.5	12						
4276.5	13	Very fine to fine, red to buff red sand with silt; 13-27'	0 ppm		3C-01	7/8/ 8/11	MS/MSD 24" recovery Interval 13-15'
4275.5	14						

HTW DRILLING LOG

HOLE NO. 3C

PROJECT Cannon AFB Landfill 25 RI
Clovis, N.M.

INSPECTOR Eric P. Kovatch

SHEET 3 OF 9 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.5	15						
4273.5	16						
4272.5	17						
4271.5	18						
4270.5	19	Small caliche nodules, 16-20' Caliche streaking and compact, friable, dry sand below 20'	0 ppm	3C-02	3C-02	8/3/4/8	24" recovery Interval 19-21'
4269.5	20						
4268.5	21						
4267.5	22						
4266.5	23						

HTW DRILLING LOG

HOLE NO. 3C

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 4 OF 9 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
						10/11/ 14/15	
4265.5	24		0 ppm		3C-03		24" recovery Interval 24-26'
4264.5	25	Same as above					
4263.5	26						
4262.5	27	Clayey sand with thin caliche interbeds; 27-37'					
4261.5	28						
4260.5	29		0 ppm		3C-04 3C-95	10/25/ 45/45	3C-95 MRD Split 24" recovery Interval 29-31'
4259.5	30	Caliche nodules present below 30' (0.5-1" dia., 5-10%)					
4258.5	31						
4257.5	32						

HTW DRILLING LOG

HOLE NO.	PROJECT	INSPECTOR	SHEET
3C	Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	5 OF 9 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4256.5	33						
4255.5	34	Same as above	0 ppm		3C-05	45/100/ -/-	13" recovery Interval 34-35.5'
4254.5	35						
4253.5	36						
4252.5	37						
4251.5	38						
4250.5	39	Buff to red-buff, silty sand; caliche matrix & nodules present; compact; firm; friable; 37-44'	0 ppm		3C-06 3C-99	75/100/ -/-	3C-99 is DUP 16" recovery Interval 39-40.5'
4249.5	40						
4248.5	41						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	3C
		SHEET 6 OF 9 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4247.5	42						
4246.5	43						
4245.5	44	Red sand; loose; very fine to fine sand; 44-48	0 ppm	3C-07	3C-07	11/17/ 12/12	24" recovery Interval 44-46'
4244.5	45						
4243.5	46						
4242.5	47						
4241.5	48	Well sorted sands;48-49'					
4240.5	49	Thin caliche/sandstone layers from 49-50', 60-61', and 69-70'	0 ppm		3C-08	45/75/ -/-	9" recovery Interval 49-50'
4239.5	50						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	3C
		SHEET 7 OF 9 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4238.5	51						
4237.5	52						
4236.5	53						
4235.5	54	Same as at 44-48'	0 ppm		3C-09	Not recorded	Recovery not recorded assume 24" Interval 54-56'
4234.5	55						
4233.5	56						
4232.5	57						
4231.5	58						
4230.5	59						

HTW DRILLING LOG

HOLE NO. 3C

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 8 OF 9 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as at 44-48'	0 ppm		3C-10	14/43/ 34/10	18" recovery Interval 59-60.5'
4229.5	60						
4228.5	61						
4227.5	62						
4226.5	63						
4225.5	64	Same as at 44-48'	0 ppm		3C-11	25/18/ 50/56	24" recovery Interval 64-66'
4224.5	65						
4223.5	66						
4222.5	67						
4221.5	68						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	3C
		SHEET 9 OF 9 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
						20/16/ 19/-	
4220.5	69	Same as at 44-48'	0 ppm		3C-12		20" recovery Interval 69-71'
4219.5	70						
4218.5	71	Same as at 44-48'	0 ppm		3C-13	25/22/ 21/12	24" recovery Interval 71-73'
4217.5	72						
4216.5	73	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	4A
SHEET	1 OF 2 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1235387.1 North 810816.6 East
9. SURFACE ELEVATION	4278.0'
10. DATE STARTED	10/6/92
11. DATE COMPLETED	10/6/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	10.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		2

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	1	1	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kroeth

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4278.0	0	Red clayey sand; dry to moist; fine sands, well sorted; 0-3'	0 ppm		4A-S 4A-99		Surface sample 4A-99 is DUP
4277.0	1						
4276.0	2						
4275.0	3						
4274.0	4						
4273.0	5						

HTW DRILLING LOG

HOLE NO. 4A

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Buff to buff-red, sandy silt; compact; friable; small caliche nodules (< 1" dia.) present; 3-10'	0 ppm	4A-I	4A-I	10/15/ 16/12	24" recovery Interval 5-7'
4272.0	6						
4271.0	7						
4270.0	8	Same as above	0 ppm	4A-06	4A-06	21/19/ 19/12	24" recovery Interval 8-10'
4269.0	9						
		Bottom of hole.					
4268.0	10						

HTW DRILLING LOG

HOLE NO.	4AA
1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
SHEET	1 OF 1 SHEETS
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1235386.4 North 810819.0 East
9. SURFACE ELEVATION	4277.7'
10. DATE STARTED	
11. DATE COMPLETED	
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	5.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0	X		1

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
1	1	--	--	1	--	75

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kraft

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4277.7	0	Red clayey sand; dry to moist, fine sands, well sorted; 0-3'					
4276.7	1						
4275.7	2						
4274.7	3						
		Sdy silt; rd-bf to bf, very fn snds, compact, firm, friable; 3-5'				17/29/ 29/-	
4273.7	4		0 ppm		4A-I		18" recovery Interval 4-5.5'
		Bottom of hole.					
4272.7	5						

HTW DRILLING LOG

HOLE NO.	4B
1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
SHEET	1 OF 2 SHEETS
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1235370.0 North 810807.4 East
9. SURFACE ELEVATION	4277.8'
10. DATE STARTED	10/3/92
11. DATE COMPLETED	10/3/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	10.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		2

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
3	4	4	4	2	2	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovacs

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4277.8	0	Red sand with organic detritus; fine; loose; dry; 0-5'	0 ppm	4B-S	4B-S		Surface sample
4276.8	1						
4275.8	2						
4274.8	3						
4273.8	4						
4272.8	5						

HTW DRILLING LOG

HOLE NO.
4B

PROJECT	INSPECTOR	SHEET 2
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Buff to white, sand with silt; friable; compact with caliche chunks; moderately sorted; 5-10'	0 ppm		4B-I	18/18/ 15/13	24" recovery Interval 5-7'
4271.8	6						
4270.8	7						
4269.8	8	Same as above	0 ppm	4B-06	4B-06	18/18/ 20/17	24" recovery Interval 8-10'
4268.8	9						
4267.8	10	Bottom of hole.					

HTW DRILLING LOG

HOLE NO. 8A		
1. COMPANY NAME: Radian Corporation	2. DRILLING CONTRACTOR: Southwest Engineer'g	SHEET 1 OF 2 SHEETS
3. PROJECT: Cannon AFB Landfill 25 RI	4. LOCATION: Clovis, N.M.	
5. NAME OF DRILLER: Alex Sanchez	6. MANUFACTURER'S DESIGNATION OF DRILL: CME-55	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.	8. HOLE LOCATION: 1234906.9 North 810963.3 East	
	9. SURFACE ELEVATION: 4275.0'	
	10. DATE STARTED: 10/5/92	11. DATE COMPLETED: 10/5/92
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: N/A	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 10.0 Borehole	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		2

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
3	3	3	3	1	1	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Karsteth

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4275.0	0	Red sand; very fine to fine; well sorted; small amount of clay; no debris; root at 3'; 0-4'	0 ppm		8A-S		Surface sample
4274.0	1						
4273.0	2						
4272.0	3						
4271.0	4						
4270.0	5						

HTW DRILLING LOG

HOLE NO.	8A
SHEET	2 OF 2 SHEETS

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		White-red to buff red sand with silt; friable; compact; dry (powdery caliche/silt); 4-10'	0 ppm	8A-I	8A-I	12/13/ 18/13	24" recovery Interval 5-7'
4269.0	6						
4268.0	7						
4267.0	8	Same as above	0 ppm	8A-06	8A-06	10/14/ 20/15	24" recovery Interval 8-10'
4266.0	9						
4265.0	10	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	8AA
SHEET 1 OF 1 SHEETS	

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1234903.7 North 810960.7 East
9. SURFACE ELEVATION	4274.9'
10. DATE STARTED	10/7/92
11. DATE COMPLETED	10/7/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	5.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0	X		1

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
1	--	1	1	--	--	100

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kenneth

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.9	0	Red sand; very fine to fine sands, well sorted, small amount of clay, no debris, roots at 3'; 0-4'					
4273.9	1						
4272.9	2						
4271.9	3						
4270.9	4	White-red to buff-red sand w/ silt, friable, compact; 4-5'	0 ppm		8A-I	19/21/ 15/16	24" recovery Interval 4-6'
		Bottom of hole.					
4269.9	5						

HTW DRILLING LOG

HOLE NO.	8B
SHEET	1 OF 8 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1234898.1 North 810962.7 East
9. SURFACE ELEVATION	4274.9'
10. DATE STARTED	10/5/92
11. DATE COMPLETED	10/5/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	66.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		13

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
15	15	15	15	4	4	87.2

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	[signature]

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.9	0	Fill material: red-brown, fine grained sand with various materials; debris present; 0-2'					
4273.9	1						
4272.9	2	Buff-red sand with silt; very fine to fine grained; fill material to at least 4'; 2-5'					
4271.9	3						
4270.9	4						
4269.9	5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8B
		SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Red to buff-red, silty sand with caliche material; friable; very fine to fine grained sand; 5-13'	0 ppm		8B-01	28/21/ 39/26	24" recovery Interval 5-7'
4268.9	6						
4267.9	7						
4266.9	8						
4265.9	9						
4264.9	10	Same as above	0 ppm		8B-02	Not recorded	24" recovery Interval 10-12'
4263.9	11						
4262.9	12						
4261.9	13						
4260.9	14						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8B
		SHEET 3 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4259.9	15	Rd, sdy silt; very firm; friable sd w/ silt; caliche streaks & nodules are present; 13-19'	0 ppm	8B-03	8B-03	10/9/ 8/8	MS/MSD 24" recovery Interval 15-17'
4258.9	16						
4257.9	17	17-19': Same as above with some clay below 17'					
4256.9	18						
4255.9	19						
4254.9	20	White-red to buff-red, sandy silt; powdery caliche material is intermixed; 19-34'	0 ppm		8B-04	200+	18" recovery Interval 20-21.5'
4253.9	21						
4252.9	22	Caliche nodules present below 22'					
4251.9	23						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8B
		SHEET 4 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4250.9	24						
4249.9	25	Same as above with 6" to 18" hard, dense, caliche layers below 25'	0 ppm		8B-05	51/43/ 62/-	12" recovery Interval 25-26'
4248.9	26						
4247.9	27						
4246.9	28						
4245.9	29						
4244.9	30	Same as above but color changes to red to buff-red	0 ppm		8B-06 8B-99	49/37/ 35/34	8B-99 is DUP 24" recovery Interval 30-32'
4243.9	31						
4242.9	32						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8B
		SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4241.9	33						
4240.9	34						
4239.9	35	Red, silty sand; loose with some caliche nodules; 34-40'	0 ppm	8B-07	8B-07	40/40/ 41/39	24" recovery Interval 35-37'
4238.9	36						
4237.9	37						
4236.9	38						
4235.9	39						
4234.9	40	Red sand; loose; fine grained; well sorted; silt content decreases below 40'; 40-50'	0 ppm		8B-08	39/30/ 36/20	24" recovery Interval 40-42'
4233.9	41						

HTW DRILLING LOG

HOLE NO.	
8B	

PROJECT	INSPECTOR	SHEET 6 OF 8 SHEETS
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4232.9	42						
4231.9	43						
4230.9	44						
4229.9	45	Same as above	0 ppm		8B-09	80/130/ -/-	12" recovery Interval 45-46'
4228.9	46	Very hard, dense, caliche interbeds from 46-50'					
4227.9	47						
4226.9	48						
4225.9	49						
4224.9	50						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8B
		SHEET 7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Below 50' sands are clean, loose, and well sorted; 50-66'	0 ppm		8B-10	65/120/ -/-	CLP 14" recovery Interval 50-51.5'
4223.9	51						
4222.9	52						
4221.9	53						
4220.9	54						
4219.9	55	Same as above	0 ppm		8B-11 8B-95	25/21/ 39/44	8B-95 MRD Split 24" recovery Interval 55-57'
4218.9	56						
4217.9	57						
4216.9	58						
4215.9	59						

HTW DRILLING LOG

HOLE NO.	
8B	

PROJECT	INSPECTOR	SHEET 8
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4214.9	60	Same as above	0 ppm		8B-12	14/21/ 31/24	24" recovery Interval 60-62'
4213.9	61						
4212.9	62						
4211.9	63						
4210.9	64	Same as above	0 ppm		8B-13	40/41/ 50/21	Recovery not recorded; assume 24" Interval 64-66'
4209.9	65						
4208.9	66	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	8BB
SHEET	1 OF 8 SHEETS
1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1234893.5 North 810966.3 East
9. SURFACE ELEVATION	4274.9'
10. DATE STARTED	10/13/92
11. DATE COMPLETED	10/13/92
12. OVERBURDEN THICKNESS	N/A
13. DEPTH DRILLED INTO ROCK	N/A
14. TOTAL DEPTH OF HOLE	61.0 Borehole
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0	X		3

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	2	2	1	1	72

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	[signature]

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.9	0	Fill material; red-brown, fine sands, debris present 0-2'. Buff-red sand w/ silt, very fine to fine grained; 0-5'					
4273.9	1						
4272.9	2						
4271.9	3						
4270.9	4						
4269.9	5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8BB
		SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Red to buff-red, silty sand w/ caliche material, friable, very fine to fine sands; 5-10'					
4268.9	6						
4267.9	7						
4266.9	8						
4265.9	9						
4264.9	10	Sand; red to red-buff, very fine sands, well-sorted, loose, dry; 10-15'	0 ppm		8B-02	60/33/ -/-	16" recovery Interval 10-11.5'
4263.9	11						
4262.9	12						
4261.9	13						
4260.9	14						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8BB
		SHEET 3 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4259.9	15	Red sandy silt, very firm, friable, caliche streaks & nodules; 15-20					
4258.9	16						
4257.9	17						
4256.9	18						
4255.9	19						
4254.9	20	White-red to buff-red sandy silt, powdery caliche material is intermixed 19-34', caliche nodules present below 22'; 20-28'					
4253.9	21						
4252.9	22						
4251.9	23						

HTW DRILLING LOG

HOLE NO.	
8BB	

PROJECT	INSPECTOR	SHEET 4
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4250.9	24						
4249.9	25						
4248.9	26						
4247.9	27						
4246.9	28	Same as above; 28-35'					
4245.9	29						
4244.9	30						
4243.9	31						
4242.9	32						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8BB
		SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4241.9	33						
4240.9	34						
4239.9	35	Silty sand; red, very fine sands, well-sorted w/ silts & caliche nodules; 35-40'	0 ppm		8B-07	40/65/ -/-	12" recovery Interval 35-36'
4238.9	36						
4237.9	37						
4236.9	38						
4235.9	39						
4234.9	40	Red sand, loose, fine sands, well-sorted; 40-50'					
4233.9	41						

HTW DRILLING LOG

HOLE NO.	8BB
SHEET	6 OF 8 SHEETS

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4232.9	42						
4231.9	43						
4230.9	44						
4229.9	45						
4228.9	46	Same as above w/ hard, dense, caliche interbeds; 46-50'					
4227.9	47						
4226.9	48						
4225.9	49						
4224.9	50						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8BB
		SHEET 7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Sand; clean, loose, & well-sorted; 50-60'					
4223.9	51						
4222.9	52						
4221.9	53						
4220.9	54						
4219.9	55						
4218.9	56						
4217.9	57						
4216.9	58						
4215.9	59						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	8BB
		SHEET 8 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4214.9	60	Sand; well-sorted, loose, very fine sands; 60-61'	0 ppm		8B-12 8B-99	17/30/ 39/37	8B-99 is DUP 24" recovery Interval 60-62'
4213.9	61	Bottom of hole.					

HTW DRILLING LOG

1. COMPANY NAME: Radian Corporation	2. DRILLING CONTRACTOR: Southwest Engineer'g	HOLE NO. 9 / SHEET 1 OF 8 SHEETS
3. PROJECT: Cannon AFB Landfill 25 RI	4. LOCATION: Clovis, N.M.	
5. NAME OF DRILLER: Alex Sanchez	6. MANUFACTURER'S DESIGNATION OF DRILL: CME-55	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.	8. HOLE LOCATION: 1235056.4 North 810788.3 East	
	9. SURFACE ELEVATION: 4276.3'	
	10. DATE STARTED: 10/4/92	11. DATE COMPLETED: 10/4/92
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: N/A	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 61.0 Borehole	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		12

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
15	15	15	15	4	4	76.4

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovach

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4276.3	0	Red sandy soil with roots and cement; loose; dry; 0-5'	0 ppm		9-01		Surface sample
4275.3	1						
4274.3	2						
4273.3	3						
4272.3	4						
4271.3	5						

HTW DRILLING LOG

HOLE NO. 9		
PROJECT Cannon AFB Landfill 25 RI Clovis, N.M.	INSPECTOR Eric P. Kovatch	SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Caliche sands; medium grained with well cemented nodules; sands are compact & friable; 5-13'	0 ppm		9-02	10/11/ 14/13	MS/MSD 23" recovery Interval 5-7'
4270.3	6						
4269.3	7						
4268.3	8						
4267.3	9						
4266.3	10	Same as above	0 ppm	9-03	9-03	12/12/ 14/10	22" recovery Interval 10-12'
4265.3	11						
4264.3	12						
4263.3	13						
4262.3	14						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	9
		SHEET 3 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4261.3	15	Sandstone; very dense hard pan-caliche; red to buff-white; 13-25'	0 ppm		9-04	34/49/ 86/30	24" recovery Interval 15-17'
4260.3	16						
4259.3	17						
4258.3	18						
4257.3	19						
4256.3	20	Same as above	0 ppm		9-05 9-99	90/165/ stop	9-99 is DUP 18" recovery Interval 20-21.5'
4255.3	21						
4254.3	22						
4253.3	23						

HTW DRILLING LOG

HOLE NO.	PROJECT	INSPECTOR	SHEET
9	Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	4 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4252.3	24						
4251.3	25	Red sand; loose with thin interbedded caliche sands below; 25-49'	0 ppm		9-06	146/100/ stop	CLP 15" recovery Interval 25-26.5'
4250.3	26						
4249.3	27						
4248.3	28						
4247.3	29						
4246.3	30	Same as above with some well cemented nodules present.	0 ppm		9-07 9-95	35/44/ 25/20	9-95 MRD Split 24" recovery Interval 30-32'
4245.3	31						
4244.3	32						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	9
		SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4243.3	33						
4242.3	34						
4241.3	35	Same as above	0 ppm	9-08	9-08	44/185/ stop	15" recovery Interval 35-36.5'
4240.3	36						
4239.3	37						
4238.3	38						
4237.3	39						
4236.3	40	Below 40' the caliche interbeds become very dense	0 ppm		9-09	29/33/ 60/30	18" recovery Interval 40-41.5'
4235.3	41						

HTW DRILLING LOG

HOLE NO. 9

PROJECT Cannon AFB Landfill 25 RI
Clovis, N.M.

INSPECTOR Eric P. Kovatch

SHEET 6 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4234.3	42						
4233.3	43						
4232.3	44						
4231.3	45	Same as above	0 ppm		9-10	200/stop	8" recovery Interval 45-46'
4230.3	46						
4229.3	47						
4228.3	48						
4227.3	49						
4226.3	50						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	9
		SHEET 7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Caliche sands; thicker layers of dense, hard, caliche sands; 49-53'	0 pmm		9-11	45/55/ stop	5" recovery Interval 50-50.5'
4225.3	51						
4224.3	52						
4223.3	53						
4222.3	54						
4221.3	55	Buff white sand; medium grained; 80% quartz; 10-15% Feldspar; 53-61'	0 ppm		9-12	24/29/ 30/48	24" recovery Interval 55-57'
4220.3	56						
4219.3	57						
4218.3	58						
4217.3	59						

HTW DRILLING LOG

HOLE NO.
9

PROJECT	INSPECTOR	SHEET 8
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above	0 ppm		9-13	21/40/ 50/35	24" recovery Interval 59-61'
4216.3	60						
		Bottom of hole.					
4215.3	61						

HTW DRILLING LOG

HOLE NO.	9A
SHEET	1 OF 5 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1235056.4 North 810788.3 East
9. SURFACE ELEVATION	4276.3'
10. DATE STARTED	10/13/92
11. DATE COMPLETED	10/13/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	36.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
0	X		3

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
6	6	6	6	4	4	89

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kwatts

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4276.3	0	Red sand, very fine grained; 0-5'	0 ppm		9-01		Surface sample
4275.3	1						
4274.3	2						
4273.3	3						
4272.3	4						
4271.3	5						

HTW DRILLING LOG

HOLE NO.	PROJECT	INSPECTOR	SHEET
9A	Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	2 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Caliche sands; medium grained w/ well cemented caliche nodules; sands are compact & friable; 5-10'					
4270.3	6						
4269.3	7						
4268.3	8						
4267.3	9						
4266.3	10	Same as above; 10-15'					
4265.3	11						
4264.3	12						
4263.3	13						
4262.3	14						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	9A SHEET 3 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4261.3	15	Sandstone; very dense, hard-pan caliche; red to buff-white; 15-21'					
4260.3	16						
4259.3	17						
4258.3	18						
4257.3	19						
4256.3	20						
4255.3	21	Same as above; 21-25'					
4254.3	22						
4253.3	23						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	9A
		SHEET 4 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4252.3	24						
4251.3	25	Red to dark brown, clayey sands; 25-30'	0 ppm		9-06 9-99	22/26/ 18/12	9-99 is DUP 24" recovery Interval 25-27'
4250.3	26						
4249.3	27						
4248.3	28						
4247.3	29						
4246.3	30	Red to buff-red, loose sands, very fine sands w/ caliche nodules, dry; 30-35'	0 ppm		9-07 9-95	7/13/ 13/8	9-95 is DUP 24" recovery Interval 30-32'
4245.3	31						
4244.3	32						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	9A SHEET 5 OF 5 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4243.3	33						
4242.3	34						
4241.3	35	Same as above; 35-36'	0 ppm		9-08	7/12/ 14/-	16" recovery Interval 35-36.5'
4240.3	36	Bottom of hole.					

HTW DRILLING LOG

HOLE NO. 10		
1. COMPANY NAME: Radian Corporation	2. DRILLING CONTRACTOR: Southwest Engineer'g	SHEET 1 OF 8 SHEETS
3. PROJECT: Cannon AFB Landfill 25 RI	4. LOCATION: Clovis, N.M.	
5. NAME OF DRILLER: Alex Sanchez	6. MANUFACTURER'S DESIGNATION OF DRILL: CME-55	
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: 4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.	8. HOLE LOCATION: 1234952.3 North 811114.7 East	
	9. SURFACE ELEVATION: 4273.8'	
	10. DATE STARTED: 10/6/92	11. DATE COMPLETED: 10/6/92
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: N/A	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 61.0 Borehole	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		12

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
15	15	15	15	4	4	82.6

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Karatsis

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4273.8	0	Sand; very fine to medium grained; loose; small % of clay; no debris; root at 4'; 0-4'	0 ppm	10-01	10-01		Surface sample
4272.8	1						
4271.8	2						
4270.8	3						
4269.8	4						
4268.8	5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	10
		SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Buff to red-buff, sandy silt; very fine sand with silt; Caliche nodules present; friable; compact; 4-25'	0 ppm		10-02	12/10/ 9/9	24" recovery Interval 5-7'
4267.8	6						
4266.8	7						
4265.8	8						
4264.8	9						
4263.8	10	Same as above	0 ppm		10-03 10-95	8/9/ 8/9	10-95 MRD Split 24" recovery Interval 10-12'
4262.8	11						
4261.8	12						
4260.8	13						
4259.8	14						

HTW DRILLING LOG

HOLE NO.
10

PROJECT	INSPECTOR	SHEET 3
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4258.8	15	Same as above except material is very dense and hard (well cemented sandy silt) below 14'	0 ppm		10-04	40/75/ 58/-	18" recovery Interval 15-16.5'
4257.8	16						
4256.8	17						
4255.8	18						
4254.8	19						
4253.8	20	Same as above	0 ppm		10-05 10-99	200+	10-99 is DUP 12" recovery Interval 20-21'
4252.8	21						
4251.8	22						
4250.8	23						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	10
		SHEET 4 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4249.8	24						
4248.8	25	Red sand; very fine grained; well sorted; loose to compact; friable; 25-30'	0 ppm	10-06	10-06	30/32/ 40/38	24" recovery Interval 25-27'
4247.8	26						
4246.8	27						
4245.8	28						
4244.8	29						
4243.8	30	Interbedded layers of caliche/sandstone which are very dense and hard; 30-38'	0 ppm		10-07	50/100/ -/-	14" recovery Interval 30-31'
4242.8	31						
4241.8	32						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	10
		SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4240.8	33						
4239.8	34						
4238.8	35	Same as above	0 ppm		10-08	65/90/ 30/-	18" recovery Interval 35-36.5'
4237.8	36						
4236.8	37						
4235.8	38						
4234.8	39						
4233.8	40	Same as above with small caliche nodules present below 38'	0 ppm		10-09	30/30/ 40/25	24" recovery Interval 40-42'
4232.8	41						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	10
		SHEET 6 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4231.8	42						
4230.8	43						
4229.8	44						
4228.8	45	Same as above	0 ppm		10-10	72/100/ -/-	12" recovery Interval 45-46'
4227.8	46						
4226.8	47						
4225.8	48						
4224.8	49						
4223.8	50						

HTW DRILLING LOG

HOLE NO.	
10	

PROJECT	INSPECTOR	SHEET
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above	0 ppm		10-11	27/51/ 55/45	24" recovery Interval 50-52'
4222.8	51						
4221.8	52						
4220.8	53						
4219.8	54	54-55': Similar to 30-38'					
4218.8	55	Very fine, well sorted, clean sands; 55-61'	0 ppm		10-12	21/60/ 40/25	24" recovery Interval 55-57'
4217.8	56						
4216.8	57						
4215.8	58						
4214.8	59						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	10
		SHEET 8 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above	0 ppm		10-13	15/29/ 26/15	20" recovery Interval 59-61'
4213.8	60						
		Bottom of hole.					
4212.8	61						

HTW DRILLING LOG

HOLE NO.	11
SHEET 1 OF 8 SHEETS	

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA 3 Inch Stainless Steel Split Spoon Sampler Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1234696.2 North 811196.9 East
9. SURFACE ELEVATION	4273.1'
10. DATE STARTED	10/2/92
11. DATE COMPLETED	10/2/92
12. OVERBURDEN THICKNESS	N/A
13. DEPTH DRILLED INTO ROCK	N/A
14. TOTAL DEPTH OF HOLE	61.0 Borehole
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		12

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
15	15	15	15	5	5	85.1

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovath

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4273.1	0	Red-brown, clayey sand; moderately sorted; organic detritus; 0-4'	0 ppm		11-01		Surface sample
4272.1	1						
4271.1	2						
4270.1	3						
4269.1	4						
4268.1	5						

HTW DRILLING LOG

HOLE NO. 11

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		White to tan sandstone; ranges from well cemented to poorly consolidated; some caliche; 4-9	0 ppm		11-02	21/6/ 5/7	22" recovery Interval 5-7'
4267.1	6						
4266.1	7						
4265.1	8						
4264.1	9						
4263.1	10	Buff-white to red, friable caliche sand and evaporates; 9-14'	0 ppm		11-03	9/6/ 4/15	24" recovery Interval 10-12'
4262.1	11						
4261.1	12						
4260.1	13						
4259.1	14						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	11
		SHEET 3 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4258.1	15	Red sand; well sorted; uncemented; 14-34'	0 ppm		11-04 11-95	8/8/ 10/10	11-95 MRD Split 24" recovery Interval 15-17'
4257.1	16						
4256.1	17						
4255.1	18						
4254.1	19						
4253.1	20	Interbedded caliche layers below 19'; well cemented; hard	0 ppm	11-05	11-05	23/21/ 12/11	20" recovery Interval 20-22'
4252.1	21						
4251.1	22						
4250.1	23						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	11
		SHEET 4 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4249.1	24						
4248.1	25	Below 22' sand has black streaks similar in appearance to "desert varnish" (pyrolycite)	0 ppm		11-06	12/10/ 25/28	20" recovery Interval 25-27'
4247.1	26						
4246.1	27						
4245.1	28						
4244.1	29						
4243.1	30	Same as above	0 ppm		11-07	11/19/ 75/-	18" recovery Interval 30-31.5'
4242.1	31						
4241.1	32						

HTW DRILLING LOG

HOLE NO. 11

PROJECT Cannon AFB Landfill 25 RI
Clovis, N.M.

INSPECTOR Eric P. Kovatch

SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4240.1	33						
4239.1	34						
4238.1	35	White to buff sandstone with caliche matrix; 34-37'	0 ppm		11-08	26/71/ 68/22	Recovery not recorded; assume 24" Interval 35-37'
4237.1	36						
4236.1	37						
4235.1	38						
4234.1	39						
4233.1	40	Red sand; well sorted; medium grained; 37-43'	0 ppm		11-09 11-99	12/15/ 20/9	11-99 is DUP 24" recovery Interval 40-42'
4232.1	41						

HTW DRILLING LOG

HOLE NO. 11

PROJECT Cannon AFB Landfill 25 RI
Clovis, N.M.

INSPECTOR Eric P. Kovatch

SHEET 6 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4231.1	42						
4230.1	43						
4229.1	44						
4228.1	45						
4227.1	46						
4226.1	47	Buff white sand with calcite cement; mix of caliche nodules & unconsolidated sand; 43-61'	0 ppm		11-10	11/76/ 25/-	8" recovery Interval 47-48'
4225.1	48						
4224.1	49						
4223.1	50						

HTW DRILLING LOG

HOLE NO. 11

PROJECT Cannon AFB Landfill 25 RI
Clovis, N.M.

INSPECTOR Eric P. Kovatch

SHEET 7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4222.1	51						
4221.1	52	Same as above	0 ppm		11-11	44/120/ -/-	13" recovery Interval 52-53.5'
4220.1	53						
4219.1	54						
4218.1	55	Same as above	0 ppm	11-12	11-12	13/20/ 25/53	24" recovery Intreval 55-57'
4217.1	56						
4216.1	57	Same as above					
4215.1	58						
4214.1	59						

HTW DRILLING LOG

HOLE NO. 11

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 8 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
			0 ppm		11-13	16/26/ 34/48	24" recovery Interval 59-61'
4213.1	60						
		Bottom of hole.					
4212.1	61						

HTW DRILLING LOG

HOLE NO.	TRENCH12
SHEET	1 OF 2 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	SW Engr./Ensource
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Reggie Grimes
6. MANUFACTURER'S DESIGNATION OF DRILL	CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	CAT 1-1/2 yard Trackhoe Stainless Steel Pan and Mixing Spoon Pans and spoons decontaminated before use. All samples taken from trackhoe bucket
8. HOLE LOCATION	1234530.3 North 810924.7 East
9. SURFACE ELEVATION	4274.8'
10. DATE STARTED	10/15/92
11. DATE COMPLETED	10/15/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	8.0
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	2	2	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	--		Eric P. Kovarik

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.8	0	Brown, very fine grained sand with silt; roots; small amount of concrete at surface; 0-3'	0 ppm	12-I	12-S 12-I		All samples taken from trackhoe bucket except for surface sample
4273.8	1						
4272.8	2						
4271.8	3						
4270.8	4						
4269.8	5						

HTW DRILLING LOG

HOLE NO.	
TRENCH12	

PROJECT	INSPECTOR	SHEET 2
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4268.8	6	Buff-red sand; loose; dry; very fine; caliche nodules present; 3-8'	0 ppm	12-06	12-06 12-95		12-95 MRD Split Interval 3-8'
4267.8	7						
		Bottom of hole.					
4266.8	8						

HTW DRILLING LOG

HOLE NO.	TRENCH13
SHEET 1 OF 2 SHEETS	

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	SW Engr./Ensource
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Reggie Grimes
6. MANUFACTURER'S DESIGNATION OF DRILL	CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	CAT 1-1/2 yard Trackhoe Stainless Steel Pan and Mixing Spoon Pans and spoons decontaminated before use. All samples taken from trackhoe bucket
8. HOLE LOCATION	1234543.4 North 811205.0 East
9. SURFACE ELEVATION	4273.3'
10. DATE STARTED	10/15/92
11. DATE COMPLETED	10/15/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	9.0
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	1	1	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	--		Eric P. Kourath

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4273.3	0	Red-brown sand and silt; very fine sand; moist; loose; 0-3'	0 ppm	13-S 13-I	13-S 13-I 13-99		13-99 is DUP All samples taken from trackhoe bucket except for surface sample
4272.3	1						
4271.3	2						
4270.3	3						
4269.3	4						
4268.3	5						

HTW DRILLING LOG

HOLE NO.	TRENCH13
SHEET	2 OF 2 SHEETS

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4267.3	6	Red-buff, silty sand; very fine grained; compact; friable; firm; dry; caliche nodules (1" dia.) present; 3-9'	0 ppm		13-06		
4266.3	7						Interval 3-9'
4265.3	8						
4264.3	9	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	14
SHEET	1 OF 8 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA; 3 Inch Stainless Steel Split Spoon Sampler; Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	1234428.7 North 810970.5 East
9. SURFACE ELEVATION	4274.6'
10. DATE STARTED	10/1/92
11. DATE COMPLETED	10/1/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	61.0 Borehole
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		12

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
15	15	15	15	4	4	80.2

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.6	0	Red sand with caliche matrix; compact to loose; dry; medium grained; 0-4'			14-01	blow count reported as total	Surface sample
4273.6	1						
4272.6	2						
4271.6	3						
4270.6	4	Hard pan layer (caliche) at 4'					
4269.6	5						

HTW DRILLING LOG

HOLE NO. 14

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 2 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		White and red sandstone below pan layer; dense; compact; 4-14'	< background (0.5 ppm)		14-02 14-99	72	14-99 is DUP 24" recovery Interval 5-7'
4268.6	6						
4267.6	7						
4266.6	8						
4265.6	9						
4264.6	10	Same as above	0 ppm		14-03	70	8" recovery Interval 10-11'
4263.6	11						
4262.6	12						
4261.6	13						
4260.6	14						

HTW DRILLING LOG

HOLE NO. 14

PROJECT Cannon AFB Landfill 25 RI
Clovis, N.M.

INSPECTOR Eric P. Kovatch

SHEET 3 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4259.6	15	Medium to coarse grained sand; large caliche nodules (2" dia.) present; sand/sandstone is friable; 14-29'	0 ppm	14-04	14-04	158	18" recovery Interval 15-16.5'
4258.6	16						
4257.6	17						
4256.6	18						
4255.6	19						
4254.6	20	Same as above	0 ppm		14-05	128	18" recovery Interval 20-21.5'
4253.6	21						
4252.6	22						
4251.6	23						

HTW DRILLING LOG

HOLE NO. 14

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 4 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4250.6	24						
4249.6	25	Same as above	0 ppm		14-06 14-95	132	14-95 MRD Split 24" recovery Interval 25-27'
4248.6	26						
4247.6	27						
4246.6	28						
4245.6	29						
4244.6	30	Red sand interbedded with buff-white, friable, compact, firm, cemented sand; 29-34'	0 ppm		14-07	100	20" recovery Interval 30-32'
4243.6	31						
4242.6	32						

HTW DRILLING LOG

HOLE NO.	SHEET	OF
14	5	8 SHEETS

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4241.6	33						
4240.6	34						
4239.6	35	Red sand; well sorted; fine to medium grained; loose; 34-61'	0 ppm		14-08	137	24" recovery Interval 35-37'
4238.6	36						
4237.6	37						
4236.6	38						
4235.6	39						
4234.6	40	Same as above	0 ppm	14-09	14-09	77	24" recovery Interval 40-42'
4233.6	41						

HTW DRILLING LOG

HOLE NO. 14

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 6 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4232.6	42						
4231.6	43						
4230.6	44						
4229.6	45	Same as above	0 ppm		14-10	102	24" recovery Interval 45-47'
4228.6	46						
4227.6	47						
4226.6	48						
4225.6	49						
4224.6	50						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	14
		SHEET 7 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above with small pebbles present below 49'	0 ppm		14-11	104	15" recovery Interval 50-51.5'
4223.6	51						
4222.6	52						
4221.6	53						
4220.6	54						
4219.6	55	Same as above	0 ppm		14-12	115	24" recovery Interval 55-57'
4218.6	56						
4217.6	57						
4216.6	58						
4215.6	59						

HTW DRILLING LOG

HOLE NO. 14

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

SHEET 8 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above with caliche nodules present below 59'	0 ppm		14-13	130	8" recovery Interval 59-60'
4214.6	60						
		Bottom of hole.					
4213.6	61						

HTW DRILLING LOG

HOLE NO.	TRENCH15
SHEET 1 OF 2 SHEETS	

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	SW Engr./Ensource
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Reggie Grimes
6. MANUFACTURER'S DESIGNATION OF DRILL	CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	CAT 1-1/2 yard Trackhoe Stainless Steel Pan and Mixing Spoon Pans and spoons decontaminated before use. All samples taken from trackhoe bucket
8. HOLE LOCATION	1234364.6 North 811046.2 East
9. SURFACE ELEVATION	4274.8'
10. DATE STARTED	10/16/92
11. DATE COMPLETED	10/16/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	9.0
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	2	2	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	--		Eric P. Kronstadt

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.8	0	Concrete, roots, asphalt, soil; 0-1'	0 ppm	15-I	15-S 15-95 15-I		15-95 MRD Split All samples taken from trackhoe bucket except for surface sample
4273.8	1	Bwn to rd-bwn, sdy clay; very fn sd; firm clay; 1-2'					
4272.8	2	Red-brown, clayey, silty sand; compact; moist; 2-4'					
4271.8	3						
4270.8	4	Red-buff, silty sand; very fine grained with silt; firm; compact; friable; dry; loose; 4-7'					
4269.8	5						

HTW DRILLING LOG

HOLE NO.	
TRENCH15	

PROJECT	INSPECTOR	SHEET 2
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4268.8	6						
4267.8	7	Dense, hard caliche layer below 7'	0 ppm	15-06	15-06		Interval 7-9'
4266.8	8						
4265.8	9	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	TRENCH16
SHEET	1 OF 2 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	SW Engr./Ensource
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Reggie Grimes
6. MANUFACTURER'S DESIGNATION OF DRILL	CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	CAT 1-1/2 yard Trackhoe Stainless Steel Pan and Mixing Spoon Pans and spoons decontaminated before use. All samples taken from trackhoe bucket
8. HOLE LOCATION	1234216.1 North 811194.9 East
9. SURFACE ELEVATION	4273.7'
10. DATE STARTED	10/15/92
11. DATE COMPLETED	10/15/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	8.0
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	1	1	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	--		Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4273.7	0	Red-brown sand; loose; dry; well sorted; fine grained; small roots present; 0-4'	0 ppm	16-S	16-S 16-I 16-99		16-99 is DUP All samples taken from trackhoe bucket except for surface sample
4272.7	1						
4271.7	2						
4270.7	3						
4269.7	4						
4268.7	5						

HTW DRILLING LOG

HOLE NO.	
TRENCH16	

PROJECT	INSPECTOR	SHEET 2
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4267.7	6	Buff-red to buff, silty sand; very compact; very firm; friable; lots of caliche pebbles; 4-8	1 ppm	16-06	16-06		
4266.7	7						Interval 4-8'
		Bottom of hole.					
4265.7	8						

HTW DRILLING LOG

HOLE NO.	TRENCH17
SHEET 1 OF 2 SHEETS	

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	SW Engr./Ensource
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Reggie Grimes
6. MANUFACTURER'S DESIGNATION OF DRILL	CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	CAT 1-1/2 yard Trackhoe Stainless Steel Pan and Mixing Spoon Pans and spoons decontaminated before use. All samples taken from trackhoe bucket
8. HOLE LOCATION	1234147.4 North 810933.9 East
9. SURFACE ELEVATION	4275.5'
10. DATE STARTED	10/15/92
11. DATE COMPLETED	10/15/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	8.0
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	1	1	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	--		Eric P. Kourkis

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4275.5	0	Asphalt - broken loose; 0-1'		17-S	17-S		All samples taken from trackhoe bucket except for surface sample
		Red, clay sand; moist; very fine grained; 1-5'	0 ppm	17-I	17-I		

HTW DRILLING LOG

HOLE NO. TRENCH17

PROJECT Cannon AFB Landfill 25 RI
Clovis, N.M.

INSPECTOR Eric P. Kovatch

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Buff-red, silty sand with caliche nodules; firm; compact; friable; 5-8'	0 ppm		17-06 17-99		17-99 is DUP Interval 5-8'
		Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	TRENCH18
SHEET	1 OF 2 SHEETS
1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	SW Engr./Ensource
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Reggie Grimes
6. MANUFACTURER'S DESIGNATION OF DRILL	CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	CAT 1-1/2 yard Trackhoe Stainless Steel Pan and Mixing Spoon Pans and spoons decontaminated before use. All samples taken from trackhoe bucket
8. HOLE LOCATION	1233996.5 North 811116.3 East
9. SURFACE ELEVATION	4274.9'
10. DATE STARTED	10/16/92
11. DATE COMPLETED	10/16/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	8.0
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	2	2	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	–		Eric P. Kovath

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.9	0	Red, clayey sand; moist; very fine grained; organic detritus present; 0-4'	0 ppm	18-S	18-S 18-I 18-95		18-95 MRD Split All samples taken from trackhoe bucket except for surface sample
4273.9	1						
4272.9	2						
4271.9	3						
4270.9	4						
4269.9	5						

HTW DRILLING LOG

HOLE NO.	
TRENCH18	

PROJECT	INSPECTOR	SHEET 2
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4268.9	6	Buff-red, silty sand; firm, compact, and friable at interface; (grading to) loose at bottom; very fine, well sorted sand; 4-8'	0 ppm	18-06	18-06		
4267.9	7						Interval 4-8'
4266.9	8	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	TRENCH19
SHEET 1 OF 2 SHEETS	

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	SW Engr./Ensource
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Reggie Grimes
6. MANUFACTURER'S DESIGNATION OF DRILL	CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	CAT 1-1/2 yard Trackhoe Stainless Steel Pan and Mixing Spoon Pans and spoons decontaminated before use. All samples taken from trackhoe bucket
8. HOLE LOCATION	1233782.2 North 811216.5 East
9. SURFACE ELEVATION	4274.8'
10. DATE STARTED	10/15/92
11. DATE COMPLETED	10/15/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	8.0
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	1	1	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	--		Eric P. Kromroth

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4274.8	0	Brown-red sand with silt; very fine grained; loose; dry; 0-2'	0 ppm	19-S 19-I	19-S 19-I 19-99		19-99 is DUP All samples taken from trackhoe bucket except for surface sample
4273.8	1						
4272.8	2	Same as above except color is red; 2-4'					
4271.8	3						
4270.8	4						
4269.8	5						

HTW DRILLING LOG

HOLE NO. TRENCH19

PROJECT Cannon AFB Landfill 25 RI
Clovis, N.M.

INSPECTOR Eric P. Kovatch

SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4268.8	6	Buff-red, silty sand; very fine grained; compact; firm; friable; dry; 4-8'	0 ppm		19-06		
4267.8	7						Interval 4-8'
4266.8	8	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	TRENCH20
SHEET 1 OF 2 SHEETS	

1. COMPANY NAME: Radian Corporation	2. DRILLING CONTRACTOR: SW Engr./Ensource
3. PROJECT: Cannon AFB Landfill 25 RI	4. LOCATION: Clovis, N.M.
5. NAME OF DRILLER: Reggie Grimes	6. MANUFACTURER'S DESIGNATION OF DRILL: CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT: CAT 1-1/2 yard Trackhoe; Stainless Steel Pan and Mixing Spoon; Pans and spoons decontaminated before use.; All samples taken from trackhoe bucket	8. HOLE LOCATION: 1233766.3 North 811051.0 East
	9. SURFACE ELEVATION: 4277.4'
	10. DATE STARTED: 10/15/92 — 11. DATE COMPLETED: 10/15/92
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: N/A
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A
14. TOTAL DEPTH OF HOLE: 10.0	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	2	2	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	--		Eric P. Kraatz

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4277.4	0	Asphalt & concrete with brush & roots; 0-2'			20-S		
4276.4	1						
4275.4	2	Red, very fine sand with silt; 2-4'	Background (<2 ppm)	20-I	20-I 20-95		20-95 MRD Split All samples taken from trackhoe bucket except for surface sample
4274.4	3						
4273.4	4						
4272.4	5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	TRENCH20
		SHEET 2 OF 2 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4271.4	6						
4270.4	7						Interval 4-10'
4269.4	8	Similar to above with interbedded caliche nodules/layers; color changes to buff-red; dry and loose throughout; 4-10'	Background	20-06	20-06		
4268.4	9						
4267.4	10	Bottom of hole.					

HTW DRILLING LOG

HOLE NO.	TRENCH21
SHEET 1 OF 2 SHEETS	

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	SW Engr./Ensource
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Reggie Grimes
6. MANUFACTURER'S DESIGNATION OF DRILL	CAT 1.5 yd. Trackhoe
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	CAT 1-1/2 yard Trackhoe Stainless Steel Pan and Mixing Spoon Pans and spoons decontaminated before use. All samples taken from trackhoe bucket
8. HOLE LOCATION	1233552.0 North 811138.4 East
9. SURFACE ELEVATION	4277.1'
10. DATE STARTED	10/15/92
11. DATE COMPLETED	10/15/92
12. OVERBURDEN THICKNESS	N/A
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
13. DEPTH DRILLED INTO ROCK	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
14. TOTAL DEPTH OF HOLE	9.0
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
4	4	4	4	1	1	N/A

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	–		Eric P. Koontz

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4277.1	0	Hard, white to buff, very fine sand with caliche matrix; dry (pan layer); 0-2.5'	0 ppm	21-S	21-S 21-I 21-99		21-99 is DUP All samples taken from trackhoe bucket except for surface sample
4276.1	1						
4275.1	2	Transition layer between pan layer and sand below; 2.5-4'					
4274.1	3						
4273.1	4						
4272.1	5						

HTW DRILLING LOG

HOLE NO.	TRENCH21
SHEET	2 OF 2 SHEETS

PROJECT	Cannon AFB Landfill 25 RI Clovis, N.M.	INSPECTOR	Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
4271.1	6	Red sand; fine grained; loose; dry; well sorted; occasional caliche nodules; 4-9'	0 ppm	21-06	21-06		
4270.1	7						Interval 4-9'
4269.1	8						
4268.1	9	Bottom of hole					

HTW DRILLING LOG

HOLE NO.	BG
SHEET	1 OF 8 SHEETS

1. COMPANY NAME	Radian Corporation
2. DRILLING CONTRACTOR	Southwest Engineer'g
3. PROJECT	Cannon AFB Landfill 25 RI
4. LOCATION	Clovis, N.M.
5. NAME OF DRILLER	Alex Sanchez
6. MANUFACTURER'S DESIGNATION OF DRILL	CME-55
7. SIZES & TYPES OF DRILLING & SAMPLING EQUIPMENT	4-1/4 Inch I.D. HSA Stainless Steel Split Spoon Sampler Augers, spoons, and drilling equipment decontaminated before use.
8. HOLE LOCATION	North East
9. SURFACE ELEVATION	,
10. DATE STARTED	9/30/92
11. DATE COMPLETED	9/30/92
12. OVERBURDEN THICKNESS	N/A
13. DEPTH DRILLED INTO ROCK	N/A
14. TOTAL DEPTH OF HOLE	61.0 Borehole
15. DEPTH GROUNDWATER ENCOUNTERED	N/A
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED	N/A
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY)	N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
2	X		18

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	8270 8080 & 418.1	8015	8150	21. TOTAL CORE REC %
11	14	14	14	5	5	56

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
Cuttings Drummed	X	--	Hole grouted	Eric P. Kovath

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	0	Hard baked topsoil; red, fine-med. grained sands with 6" caliche layer & gravels; 0-1'	0 ppm	BG-01	BG-01 BG-99		BG-99 is DUP Surface sample
	1						
	2	Deep red-brown, very fine grained sands with clays; 2-4'					
	3						
	4						
	5						

HTW DRILLING LOG

HOLE NO.	
BG	

PROJECT	INSPECTOR	SHEET 2 OF 8 SHEETS
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Sandy silt; red with white powdery caliche; very fine grained; loose; dry; 4-14'			BG-02	13/18/ 18/17	24" recovery Interval 5-7'
	6						
	7						
	8						
	9						
	10	Same as above			BG-03	9/8/ 10/10	24" recovery Interval 10-12'
	11						
	12						
	13						
	14						

HTW DRILLING LOG

HOLE NO.	
BG	

PROJECT	INSPECTOR	SHEET 3 OF 8 SHEETS
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	15	Sandy silt grading to sandstone with caliche matrix; very fine-med. grained sandstone; 14-19'				5-bounce	3" recovery
	16						
	17	17': Same as above				bounce	0 recovery
	18	18': Same as above	0 ppm		BG-04	19/30/ 51/-	18" recovery Interval 18-19.5'
	19						
	20	Sandstone; some layers well cemented & extremely hard; layers of loose sandy silt intermixed; 19-24'	0 ppm		BG-05	29/50/ -/-	16" recovery Interval 20-21.5'
	21						
	22						
	23						

HTW DRILLING LOG

HOLE NO.	
BG	

PROJECT	INSPECTOR	SHEET 4 OF 8 SHEETS
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	24						
	25	Reddish-white to white sandstone with caliche matrix; very hard; 24-32'	0 ppm			50/-/-/-	2" recovery
	26						
	27	27': Same as above	0 ppm			50/-/-/-	3" recovery
	28						
	29						
	30	Same sandstone as above except with thin layers of soft material below 28'	0 ppm			50/-/-/-	2" recovery
	31						
	32						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE NO.
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	BG
		SHEET 5 OF 8 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	33	Wht/rd to lt rd, sdy silt; loose; friable; slight caliche matrix; cmtd rocks are present (5-10%); 32-38'; caliche decreases below 34'	0 ppm		BG-07 BG-95	24/34/ 33/19	BG-95 MRD Split 24" recovery; CLP Interval 33-35'
	34						
	35	35': Same as above	0 ppm	BG-08	BG-08	17/20/ 23/23	24" recovery MS/MSD Interval 35-37'
	36						
	37						
	38						
	39						
	40	Sandstone similar to above with caliche matrix & interbedded layers of sandy silt; 38-43'	0 ppm		BG-09	54/69/ 64/-	8" recovery Interval 40-41'
	41						

HTW DRILLING LOG

HOLE NO.	
BG	

PROJECT	INSPECTOR	SHEET 6 OF 8 SHEETS
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
	42						
	43						
	44						
	45	Sandy silt; similar to description at 33'; 43-51'	0 ppm		BG-10	54/61/ 68/-	20" recovery Interval 45-47'
	46						
	47						
	48						
	49						
	50						

HTW DRILLING LOG

HOLE NO.	BG
SHEET	7 OF 8 SHEETS

PROJECT: Cannon AFB Landfill 25 RI, Clovis, N.M.

INSPECTOR: Eric P. Kovatch

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		Same as above	0 ppm			115/-/-/-	4" recovery
	51						
	52	Red, very fine to fine grained sand; poorly sorted; loose; 51-54'	0 ppm		BG-11	13/19/ 31/18	24" recovery Interval 52-54'
	53						
	54						
	55	Same as above; 55-61'				63/-/-/-	0 recovery
	56						
	57	Same as above	0 ppm		BG-12	15/22/ 28/40	24" recovery Interval 57-59'
	58						
	59						

HTW DRILLING LOG

HOLE NO.	
BG	

PROJECT	INSPECTOR	SHEET 8 OF 8 SHEETS
Cannon AFB Landfill 25 RI Clovis, N.M.	Eric P. Kovatch	

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	Field Screening Results d	Geotech Sample or Core Box No. e	Analytical Sample No. f	Blow Counts g	REMARKS h
		59': Same as above	0 ppm		BG-13	15/27 49/-	23" recovery Interval 59-61'
	60						
		Bottom of hole					
	61						

APPENDIX D

DAILY QUALITY CONTROL REPORTS

FOR LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

Date: 9/28 & 9/29

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: Cannon AFB - Landfill 25 SWMU 97

Weather: Clear, High 75°

Work Performed: 9/28 - Initial Setup for site including surveying, general prep

9/29 - Surveying & Concrete/rubble removal for access

Sampling Performed: None

Level of Protection Used During ~~Sampling~~ Rubble removal: Level C - HEPA Filters

Problems and Corrective Actions:

Lack of accurate survey data. Survey crew created new "CAD" drawing and worked off that map. Drawings were 10-15' off

Quality Control Activities Initiated: checked site trench (known) vs survey location. Accurate to 15' NS, 20' EW.

Signature: [signature] (F.E.W. task leader)

Date: 9-30-92

Sheet No.: _____

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: Landfill 25 - SWMU 97

Weather: Sunny with variable winds - 60's & 70's

Work Performed: Boring B6 to 60'

Sampling Performed: Surface and every 5' interval via split spoon

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions: None

Quality Control Activities Initiated:

Equipment Rinses
Laboratory duplicates

Signature: Eric P. Kovatch (Geologist)

Date: Oct 1/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: Cannon AFB SAMW-97

Weather: Clear 50°F @ 7:00am 85°F @ 4:00pm

Work Performed: Completed two soil borings @ 60 FT and 10 Feet; SB-14 and SB 3a respectively

Sampling Performed: Surface and at 5 Feet intervals via split spoon

Level of Protection Used During Sampling: D

Problems and Corrective Actions:

None

Quality Control Activities Initiated:

Equipment rinses General laboratory QA data

Signature: [illegible] (Geologist)

Date: October 2 1997

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: Cannon AFB Landfill 25 SWMU 97

Weather: Clear, 80° high 55° low

Work Performed: Drilled & Bored, CAN97-11

Started CAN97-3A

Sampling Performed: CAN97-11

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions:

1) Mis-understood scope so had to stop "3A" before sampling. Sampled 10/3 once scope was clarified

2) Lab wouldn't make hold times at current rate. Delayed one 60' bore until week of 10/12.

Quality Control Activities Initiated:

Duplicates, and equipments blanks taken. Duplicates were blind so lab wouldn't know where ~~these~~ they were from

Signature: Stuart Bailey (Field Task Leader)

Date: October 3 1992

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: CANNON AFB LANDFILL 25 SWMU 97

Weather: Clear 85° high 55° low

Work Performed: 3 10' borings sampled 3A, 3B, 4B

Soil Borings at old trench locations

Sampling Performed: Sampled 3A, 3B, 4B

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions:

~~No problems~~ No problems

Quality Control Activities Initiated:

Equipment rinses and blind field duplicates taken.

Signature: [illegible] (Field Task Leader)

Date: 10/4/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: CANNON AFB LANDFILL 25 SWMU 97

Weather: Clear 82° High

Work Performed: Sampled New Bori, 9
Re-sampled 3A

Sampling Performed:

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions:

3A bottles became wet - And had to re-bore/sample 3A 1' away

Quality Control Activities Initiated:

Equipment Rinses
Blind Duplicates
Safety meeting before drilling in AM

Signature: Steven Burdo

Date: 10/5/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: Cannon AFB Landfill 25 Summer 92

Weather: Clear 82° High

Work Performed: Soil Sampling

Sampling Performed: Sampled 8A & 8B

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions:

Lab called saying some bottles had broken during shipment and also had chain of custody problems

Action: Pack samples more carefully using more peanuts and marked coolers fragile.

Also scrutinized chain-of-custodies carefully for errors

Quality Control Activities Initiated:

Safety meeting in AM

Duplicates taken (Blind)

Signature: Steven Beach

Date: 10/6/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: CANNON AFB LANDFILL 25 SUMMER 92

Weather: Clear; slight wind; high of 80°

Work Performed: Soil Sampling

Sampling Performed: Sampled 60' boring #10 and 60' boring 4A

Level of Protection Used During Sampling: level D

Problems and Corrective Actions: Samples were still coming in warm to lab. Stuart must pack ice directly under top layer of 250 ml jars

Quality Control Activities Initiated:

Duplicates taken

Signature: Stuart Bucio

Date: 10/7/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: Cannon AFB Landfill #25 Summer 97

Weather: Clear, extremely windy & dusty (50 mph winds)

Work Performed: Soil Sampling

Sampling Performed: Sampled 2A & 2B & resampled 8AI

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions:

Wind was blowing labels around. Worked out of the van.

Quality Control Activities Initiated:

Signature: [illegible]

Date: 10/12/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: CANNON AFB LANDFILL 25 SWMU 97

Weather: Clear, cool, slight wind

Work Performed: Soil Sampling

Sampling Performed: Sampled Bore 3-C

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions:

Went late into evening because augers had clay stuck to them. Pulled 40' of augers out to knock off clay.

Quality Control Activities Initiated:

Equipment Rinses & Blind duplicates taken throughout the sampling.

Signature: Steven Buckner

Date: 10/13/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: CANNON AFB LANDFILL 25 SWMU 97

Weather: Clear, cool

Work Performed: Re-drilled Soil Borings & Moved Drums to proper storage location. Took Surface trench samples

Sampling Performed: Re-drilled 8B, 09, 4A & 3A. Didn't re-drill/sample entire boring, just spots necessary. Trench Surface Samples at 6 locations

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions:

Quality Control Activities Initiated:

Blind Duplicates taken

Signature: Stuart Buck

Date: 10/14/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: CANNON AFB LANDFILL 25 Summer 97

Weather: Windy, Slightly cloudy

Work Performed: Waited for truckline to arrive, grouted holes including re-drills from Landfill 3

Sampling Performed: ~~None~~, Equipment Rinses.

Level of Protection Used During Sampling: Level D

Problems and Corrective Actions:

Quality Control Activities Initiated:

Signature: Steven Pluche

Date: 10/15/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: Cannon AFB Landfill 25 Summer 97

Weather: cool, light winds (50°)

Work Performed: Trench Sampling

Sampling Performed: Trenches 12, 13, 16, 20, 21, 19, 17 sampled. Also sampled surface samples at remain, 3 trenches not done 10/14.

Level of Protection Used During Sampling: Level B for operator Level D for sample keeper.

Problems and Corrective Actions: Had to keep trenches in the sun so not all trenches were in same direction.

Quality Control Activities Initiated:

Blind duplicates taken

Signature: Steve Bueck

Date: 10/16/92

Sheet No.: 1

A-E DAILY QUALITY CONTROL REPORT

Task/Site No.: CANNON AFB LANDFILL 25 SWMU 97

Weather: 40° clear skies, windy

Work Performed: Trench sampling & general breakdown of field office. General site walk through after all work completed.

Sampling Performed: Trenches 18 & 15 sampled

Level of Protection Used During Sampling: Level B & Level D

Problems and Corrective Actions:

Quality Control Activities Initiated:

Signature: [illegible]

APPENDIX E

GEOTECHNICAL ANALYSIS

FOR LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: BG-01
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
27.7	5.0	3/8"	95.0	
64.7	11.6	#4	88.4	
92.7	16.6	#10	83.4	
132.2	23.8	#40	76.2	
347.2	62.5	#200	37.5	

ORIGINAL WGHT. 555.3
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 743.6 6-188.3

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: BG-08
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
58.0	7.3	3/8"	92.7	
91.7	11.5	#4	88.5	
116.0	14.6	#10	85.4	
181.5	22.9	#40	77.1	
693.2	87.6	#200	12.4	

ORIGINAL WGHT. 791.0
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 981.8 1-190.8

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 2A
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
54.8	9.4	3/8"	90.6	
89.3	15.3	#4	84.7	
116.3	19.9	#10	80.1	
158.3	27.2	#40	72.8	
401.8	69.0	#200	31.0	

ORIGINAL WGHT. 581.7
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 808.9 J-227.2

FRACTURED FACES

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 2A-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
13.0	2.4	3/4"	97.6	
29.5	5.4	3/8"	94.6	
36.9	6.8	#4	93.2	
48.5	8.9	#10	91.1	
65.5	12.1	#40	87.9	
274.5	50.7	#200	49.3	

ORIGINAL WGHT. 541.2
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 764.7 K-223.5

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 2B-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
4.9	1.1	3/8"	98.9	
8.4	2.0	#4	98.0	
14.4	3.4	#10	96.6	
27.4	6.5	#40	93.5	
163.4	39.2	#200	60.8	

ORIGINAL WGHT. 416.4
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 640.0 I-223.6

FRACTURED FACES

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert A. Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 2B-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
0	0	#4	100	
3.6	.5	#10	99.5	
15.1	2.2	#40	97.8	
277.6	41.7	#200	58.3	

ORIGINAL WGHT. 665.6
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 892.5 G-226.9

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 3A-5
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
30.3	4.1	3/4"	95.9	
175.8	23.9	3/8"	76.1	
241.3	32.8	#4	67.2	
277.9	37.8	#10	62.2	
325.8	44.3	#40	55.7	
536.3	72.9	#200	27.1	

ORIGINAL WGHT. 735.3
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 956.0 Q-220.7

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 3A-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
29.1	3.9	3/8"	96.1	
46.6	6.4	#4	93.6	
68.6	9.4	#10	90.6	
111.6	15.3	#40	84.7	
442.1	60.7	#200	39.3	

ORIGINAL WGHT. 727.6
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 949.5 N-221.9

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 3A-06 (10-4-92)
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
11.2	2.3	3/4"	97.7	
22.4	4.7	3/8"	95.3	
24.4	5.1	#4	94.9	
27.2	5.7	#10	94.3	
40.2	8.4	#40	91.6	
229.7	48.3	#200	51.7	

ORIGINAL WGHT. 475.0
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 694.8 D-219.8

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 3A-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
21.8	3.6	1"	96.4	
21.8	3.6	3/4"	96.4	
43.8	7.3	3/8"	92.7	
80.8	13.5	#4	86.5	
112.3	18.8	#10	81.2	
163.3	27.4	#40	72.6	
387.4	65.0	#200	35.0	

ORIGINAL WGHT. 595.3
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 821.5 P-226.2

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 3B-5
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
13.5	1.6	3/8"	98.4	
44.0	5.2	#4	94.8	
66.5	7.9	#10	92.1	
98.5	11.7	#40	88.3	
383.5	45.7	#200	54.3	

ORIGINAL WGHT. 838.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1064.0 A-225.5

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mid
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 3B-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
5.7	.7	3/8"	99.3	
10.1	1.3	#4	98.7	
17.4	2.4	#10	97.6	
48.4	6.6	#40	93.4	
313.4	42.7	#200	57.3	

ORIGINAL WGHT. 734.8
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 961.4 E-226.6

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Richard Mood
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 3C
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
7.0	1.1	3/8"	98.9	
14.0	2.2	#4	97.8	
21.3	3.4	#10	96.6	
37.0	5.8	#40	94.2	
258.5	40.8	#200	59.2	

ORIGINAL WGHT. 634.0
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 860.0 S-226.0

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 3C-07
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
50.9	9.0	3/4"	91.0	
85.4	15.1	3/8"	84.9	
109.4	19.3	#4	80.7	
123.4	21.7	#10	78.3	
150.9	26.6	#40	73.4	
420.4	74.2	#200	25.8	

ORIGINAL WGHT. 566.4
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 787.0 0-220.6

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 4A-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
1.6	.3	3/8"	99.7	
3.7	.7	#4	99.3	
6.7	1.3	#10	98.7	
16.4	3.1	#40	96.9	
170.2	32.4	#200	67.6	

ORIGINAL WGHT. 525.2
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 750.0 C-224.8

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 4A-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
3.6	0.9	#4	99.1	
7.9	2.0	#10	98.0	
19.6	5.0	#40	95.0	
109.6	28.0	#200	72.0	

ORIGINAL WGHT. 392.0
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 612.4 R-220.4

FRACTURED FACES

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 4B-5
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
6.6	1.4	3/8"	98.6	
7.5	1.6	#4	98.4	
9.6	2.0	#10	98.0	
17.1	3.6	#40	96.4	
313.6	66.4	#200	33.6	

ORIGINAL WGHT. 472.4
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 699.3 H-226.9

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 4B-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
5.5	0.6	#4	99.4	
11.7	1.4	#10	98.6	
27.0	3.1	#40	96.9	
317.1	37.0	#200	63.0	

ORIGINAL WGHT. 858.2
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1080.0 M-221.8

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 8A-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
35.0	4.2	3/4"	95.8	
74.5	8.9	3/8"	91.1	
125.0	14.9	#4	85.1	
177.0	21.0	#10	79.0	
255.8	30.4	#40	69.6	
522.5	62.1	#200	37.9	

ORIGINAL WGHT. 841.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1066.5 T-225.0

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 8A-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
53.4	8.3	3/8"	91.7	
125.7	19.5	#4	80.5	
194.4	30.2	#10	69.8	
251.9	39.2	#40	60.8	
516.2	80.2	#200	19.8	

ORIGINAL WGHT. 643.4
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 870.0 L-226.6

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mc

TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 8B-03
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
14.0	3.0	3/8"	97.0	
20.0	4.3	#4	95.7	
29.5	6.3	#10	93.7	
59.0	12.6	#40	87.4	
333.0	71.1	#200	28.9	

ORIGINAL WGHT. 468.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 688.5 B-220.0

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mid
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 8B-07
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
36.2	5.1	3/8"	94.9	
73.2	10.3	#4	89.7	
97.0	13.6	#10	86.4	
159.2	22.4	#40	77.6	
624.7	87.9	#200	12.1	

ORIGINAL WGHT. 710.7
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 938.0 F-227.3

FRACTURED FACES

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 9-03
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
2.5	.2	3/8"	99.8	
10.4	1.2	#4	98.8	
16.8	1.9	#10	98.1	
29.6	3.4	#40	96.6	
321.7	37.5	#200	62.5	

ORIGINAL WGHT. 856.3
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1083.5 J-227.2

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 9-08
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
36.3	9.8	3/8"	90.2	
64.5	17.5	#4	82.5	
86.0	23.3	#10	76.7	
120.6	32.7	#40	67.3	
308.9	83.8	#200	16.2	

ORIGINAL WGHT. 368.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 594.0 K-225.5

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mack
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 10-01
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
3.8	.8	3/8"	99.1	
8.6	1.8	#4	98.2	
12.7	2.7	#10	97.3	
25.1	5.3	#40	94.7	
284.9	60.8	#200	39.2	

ORIGINAL WGHT. 468.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 695.4 G-226.9

FRACTURED FACES

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 10-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
86.4	15.4	1"	84.6	
113.2	20.2	3/4"	79.8	
175.9	31.5	3/8"	68.5	
215.2	38.5	#4	61.5	
242.4	43.4	#10	56.6	
286.4	51.3	#40	48.7	
457.4	81.9	#200	18.1	

ORIGINAL WGHT. 557.9
FINAL WGHT.

TYPE MATERIAL.
DATE: 2-3-93
TEST NO.
PAN # & WGHT. 781.5 I-223.6
FRACTURED FACES
FINENESS MODULUS.
ASTM #.
SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 11-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
33.3	5.9	3/4"	94.1	
131.2	23.6	3/8"	76.4	
167.2	30.1	#4	69.9	
188.5	33.9	#10	66.1	
217.0	39.0	#40	61.0	
370.8	66.7	#200	33.3	

ORIGINAL WGHT. 555.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 775.3 D-219.8

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 11-12
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
44.6	4.3	3/8"	95.7	
85.1	8.3	#4	91.7	
108.5	10.6	#10	89.4	
239.4	23.4	#40	76.6	
945.5	92.7	#200	7.3	

ORIGINAL WGHT. 1019.8
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1246.0 P-226.2

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 12-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
5.1	.7	#4	99.3	
8.2	1.1	#10	98.9	
23.2	3.2	#40	96.8	
349.4	49.3	#200	50.7	

ORIGINAL WGHT. 708.7
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 930.6 N-221.9

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 12-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
184.3	23.3	1"	76.7	
220.3	27.9	3/4"	72.1	
287.8	36.5	3/8"	63.5	
353.8	44.8	#4	55.2	
389.9	49.4	#10	50.6	
420.1	53.2	#40	46.8	
593.2	75.2	#200	24.8	

ORIGINAL WGHT. 788.3
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1009.0 0-220.7

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mint
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 13-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
2.5	.3	#4	99.7	
3.5	.4	#10	99.6	
13.5	1.8	#40	98.2	
391.9	54.7	#200	45.3	

ORIGINAL WGHT. 715.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 941.0 A-225.5

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 13-5
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
2.8	.3	3/8"	99.7	
8.6	1.1	#4	98.9	
11.6	1.4	#10	98.6	
32.3	4.1	#40	95.9	
379.4	49.0	#200	51.0	

ORIGINAL WGHT. 773.4
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1000.0 E-226.6

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 14-04
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
78.0	11.5	1"	88.5	
165.1	24.3	3/4"	75.7	
261.2	38.5	3/8"	61.5	
351.0	51.8	#4	48.2	
431.8	63.7	#10	36.3	
513.3	75.8	#40	24.2	
620.2	91.6	#200	8.4	

ORIGINAL WGHT. 677.0
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 903.0 S-226.0

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mich
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 14-09
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
9.4	2.2	3/8"	97.8	
13.9	3.2	#4	96.8	
17.5	4.1	#10	95.9	
44.0	10.4	#40	89.6	
368.4	87.2	#200	12.8	

ORIGINAL WGHT. 422.4
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 643.0 0-220.6

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mach
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 15-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
.5	.7	3/8"	99.3	
17.6	2.6	#4	97.4	
29.7	4.5	#10	95.5	
56.5	8.6	#40	91.4	
328.0	50.2	#200	49.8	

ORIGINAL WGHT. 652.7
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 877.5 C-224.8

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 15-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
0	0	#4	100	
1.9	.2	#10	99.8	
122.0	1.8	#40	98.2	
383.5	58.3	#200	41.7	

ORIGINAL WGHT. 657.6
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 878.0 R-220.4

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 16-5
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
4.6	.7	#4	99.3	
8.7	1.3	#10	98.7	
24.1	3.6	#40	96.4	
347.4	52.4	#200	47.6	

ORIGINAL WGHT. 662.1
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 889.0 H-226.9

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 16-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
26.5	.08	3/4"	99.92	
54.4	4.4	3/8"	95.6	
68.4	5.6	#4	94.4	
75.2	6.1	#10	93.9	
105.2	8.6	#40	91.4	
489.2	23.7	#200	76.3	

ORIGINAL WGHT. 1216.2
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1438.0 M-221.8

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Lydick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 17-5
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
16.8	2.5	3/4"	97.5	
48.4	7.3	3/8"	92.7	
139.4	21.2	#4	78.8	
271.2	41.2	#10	58.8	
543.7	82.6	#40	17.4	
637.5	97.0	#200	3.0	

ORIGINAL WGHT. 657.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 882.5 T-225.0

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert A. Mirick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 17-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
0	0	#4	100	
4.7	1.0	#10	99.0	
9.9	2.1	#40	97.9	
250.7	53.5	#200	46.5	

ORIGINAL WGHT. 468.2
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 695.5 F-227.3

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 18-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
19.5	1.9	3/8"	98.1	
56.8	5.6	#4	94.4	
91.8	9.1	#10	90.9	
121.8	12.1	#40	87.9	
451.8	44.9	#200	55.1	

ORIGINAL WGHT. 1004.7
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 1231.3 L-226.6

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Grick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 18-5
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
8.3	1.6	3/8"	98.4	
22.3	4.3	#4	95.7	
30.0	5.8	#10	94.2	
50.0	9.8	#40	90.2	
285.2	55.9	#200	44.1	

ORIGINAL WGHT. 509.5
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 729.5 B-220.0

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 19-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
28.9	4.7	3/8"	95.3	
42.4	6.7	#4	93.3	
53.4	8.6	#10	91.4	
178.9	28.9	#40	71.1	
408.4	66.1	#200	33.9	

ORIGINAL WGHT. 617.4
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 806.5 Z-189.1

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 19-5
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
28.4	4.8	3/8"	95.2	
57.4	9.8	#4	90.2	
75.1	12.8	#10	87.2	
105.9	18.0	#40	82.0	
416.9	71.0	#200	29.0	

ORIGINAL WGHT. 587.4
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 776.5 4-189.1

FRACTURED FACES

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 20-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
2.5	.4	#4	99.4	
6.0	1.0	#10	99.0	
22.2	3.8	#40	96.2	
352.5	60.1	#200	39.9	

ORIGINAL WGHT. 587.0
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 781.5 8-194.5

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 20-I
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
5.8	.9	3/8"	99.1	
15.6	2.6	#4	97.4	
22.1	3.7	#10	96.7	
44.8	7.6	#40	92.4	
349.1	59.2	#200	40.8	

ORIGINAL WGHT. 589.6
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 782.5 S-192.9

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mich
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 21-S
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
13.3	2.8	3/4"	97.2	
24.6	5.2	3/8"	94.8	
65.3	13.9	#4	86.1	
99.3	21.2	#10	78.8	
149.3	31.8	#40	68.2	
314.8	67.2	#200	32.8	

ORIGINAL WGHT. 468.8
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 660.5 3-191.7

FRACTURED FACES

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

ROBERT L. LYDICK
ROBERT CHAD LYDICK
Professional Engineer and Land Surveyor

LYDICK LABORATORIES

BOX 1386 - (505) - 762 - 3771
FAX (505) - 762 - 9093
CLOVIS, NEW MEXICO 88101

CONTRACTOR: Radian Corp.
PIT SOURCE: 21-06
PROJECT: Landfill 25 CAFB

WGHT. RETAINED	% RETAINED	SCREEN SIZE	% PASSING	REQUIRED LIMITS
0	0	3"	100	
0	0	2"	100	
0	0	1-1/2"	100	
0	0	1"	100	
0	0	3/4"	100	
0	0	3/8"	100	
0	0	#4	100	
0.8	0.2	#10	99.8	
20.3	4.0	#40	96.0	
321.3	63.0	#200	37.0	

ORIGINAL WGHT. 508.3
FINAL WGHT.

TYPE MATERIAL.

DATE: 2-3-93

TEST NO.

PAN # & WGHT. 699.5 7-191.2

FRACTURED FACES.

FINENESS MODULUS.

ASTM #.

SIZE #.

Robert Mick
TESTED BY

APPENDIX F

DISCUSSION OF UPPER TOLERANCE LIMITS FOR BACKGROUND SAMPLE RESULTS FOR INORGANIC CHEMICALS FOR LANDFILL NO. 25 CANNON AFB, CLOVIS, NEW MEXICO

1.0 INTRODUCTION

In the discussion of the analytical results in Section 4.0 of the RI report, Landfill No. 25 analytical data for metals were evaluated and compared to the background metals data. Metals occur in nature at varying concentrations. By comparing Landfill No. 25 analytical results to an upper limit based on the distribution of background results, one can determine if the metals concentrations at Landfill No. 25 differ from the naturally occurring background concentrations of metals.

The background to Landfill No. 25 data comparison involved calculating an upper tolerance limit for background concentrations of each analyte for which there was a sufficient number of detected concentrations. Individual concentrations from Landfill No. 25 data were then compared to the upper tolerance limit for background data. The upper tolerance limit test can be considered an extreme value test in that individual results from a site are compared to the background population instead of comparing the site as a whole to the background population. An extreme value test helps to identify "hot spots" or certain areas of contamination at a site. Section 3.0 of this Appendix presents the upper tolerance limits for background metals for the soil core samples. The results of the statistical comparisons performed are discussed in Section 4.2 of the RI report. Sampling intervals that contained detected results greater than the upper tolerance limit are listed in Table 4-3 of the main report.

2.0 STATISTICAL METHODOLOGY

A statistical tolerance interval establishes a concentration range that is constructed to contain a specified proportion (p%) of a population (in this case, background) with a specified confidence coefficient, γ. The proportion of the population, p, is referred to as the coverage. For example, a tolerance interval with 95% coverage and 95% confidence is constructed to contain, on the average, 95% of the population with 95% confidence. The upper bound of the tolerance interval is the upper tolerance limit. Different types of tolerance limits are calculated depending on the distribution of the background results and the percentage of detection in background. Figure F-1 illustrates the decision tree for determining the most appropriate upper tolerance limit. Upper tolerance limits can only be calculated for those analytes that had at least one detected result for background samples.

Normal Upper Tolerance Limit

When calculating a normal upper tolerance limit, the assumption is that the background data are approximately normally distributed. Normality of a data set can be determined by the Shapiro-Wilk test for normality. Once normality of background data has been established, a tolerance limit is computed by the equation:

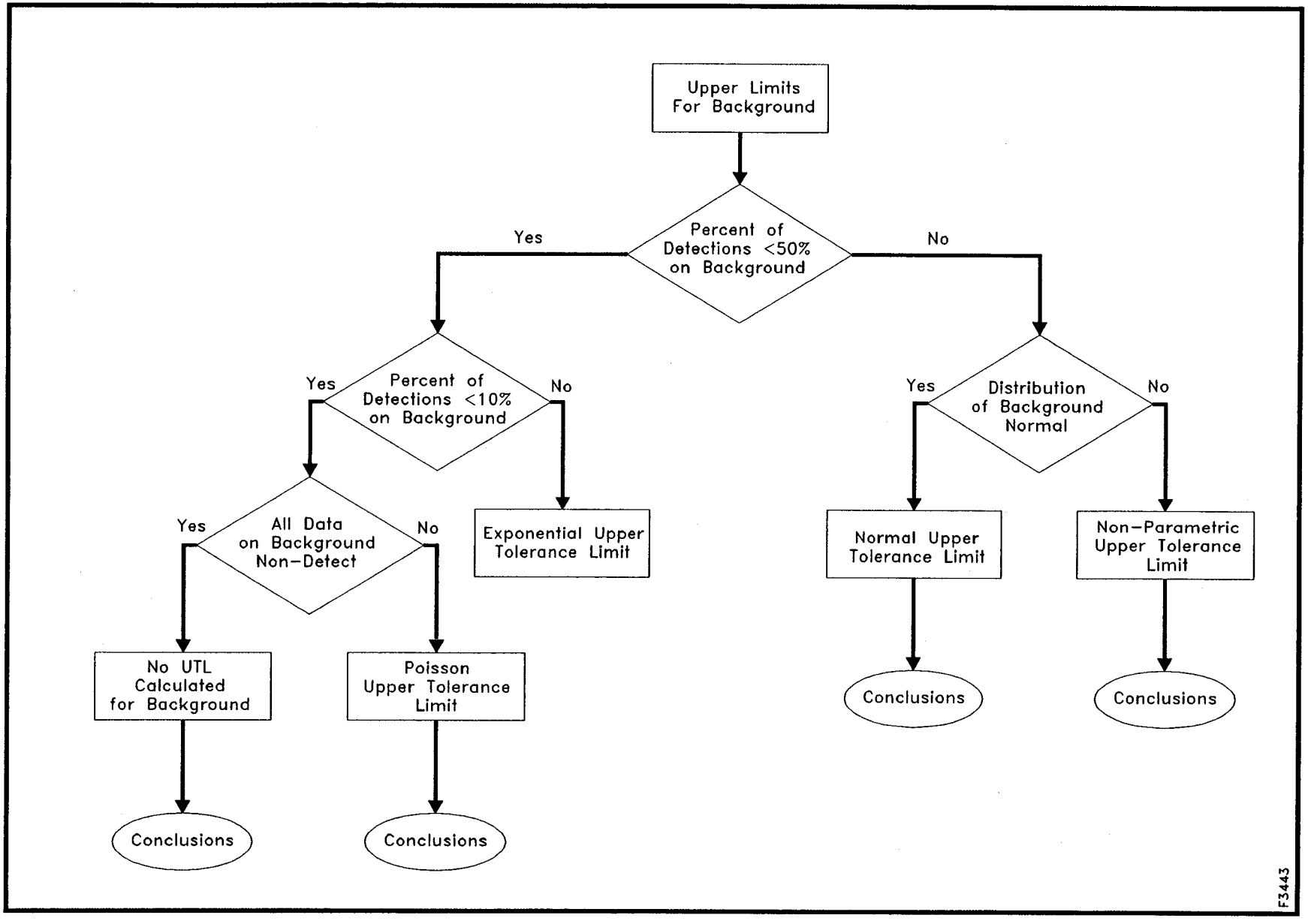
$$UTL_{\gamma,c} = \overline{X} + S_x K_{\gamma,c}$$

where:

$$\overline{X} = \frac{\sum X_i}{n}$$

$$S_x = \sqrt{\sum \frac{(X_i - \overline{X})^2}{n - 1}}$$

X_i = individual concentrations,


Upper Limits For Background
Percent of Detections <50% on Background
Yes
No
Percent of Detections <10% on Background
Yes
No
Exponential Upper Tolerance Limit
All Data on Background Non-Detect
Yes
No
No UTL Calculated for Background
Poisson Upper Tolerance Limit
Conclusions
Conclusions
Distribution of Background Normal
Yes
No
Normal Upper Tolerance Limit
Non-Parametric Upper Tolerance Limit
Conclusions
Conclusions
F3443

n = the total number of concentrations, and

$K_{\gamma,c}$ = K-factor for confidence level γ, and coverage, c.

The K-factor is based on a normal distribution, and is dependent on the sample size of the data set. The coverage and confidence level for the normal upper tolerance limit were both chosen as 95%.

Non-Parametric Upper Tolerance Limit

When the assumptions of normality could not be met in a data set with more than 50% detected concentrations, a non-parametric tolerance limit was used for individual measurement comparison. As explained by the RCRA guidance:

> The upper Tolerance limit in a non-parametric setting is usually chosen as an order statistic of the sample data ... , commonly the maximum value or maybe the second largest value observed. ... Once an order statistic of the sample data (e.g., the maximum value) is chosen to represent the upper tolerance limit, Guttman (1970) has shown that the coverage of the interval, constructed repeatedly over many data sets, has a Beta (β) probability density with cumulative distribution
>
> $$I_t(n - m + 1, m) = \int_0^t \frac{\Gamma(n + 1)}{\Gamma(n - m + 1)\Gamma(m)} u^{n-m} (1 - u)^{m-1} du$$
>
> where n = # of sample in the data sets and m = [(n+1)-rank of upper tolerance limit value)]. If the maximum sample value is selected as the tolerance limit, its rank is equal to n and so m = 1. If the second largest value is chosen as the limit, its rank would be equal to (n-1) and so m = 2 (EPA, 1992).

Because the non-parametric upper tolerance limit is usually only the maximum concentration of a small data set, the coverage of the limit is then subsequently decreased. Table A-6 in Appendix A of the RCRA Addendum (see references) gives the calculated coverage for a non-parametric upper limit with **n** background samples. For example, a non-parametric limit from a background sample size of 12 provides 77.9% coverage with 95% confidence. In order to achieve 95% coverage, 60 background samples would have to be collected.

Exponential Upper Tolerance Limit

The exponential upper tolerance limit, used when there are between 10% and 50% detected concentrations, is similar to the normal tolerance limit, except that the underlying distribution is assumed to be exponential rather than normal. This is a reasonable assumption when the frequency of detection is relatively low (i.e., less than 50%). The equation for calculating the exponential upper tolerance limit is:

$$UTL = \bar{X} * K_n$$

where: $\bar{X}$ = the average concentration, and

K_n = the K-factor for an exponential distribution, with sample size n.

As with the normal upper limit, the coverage and confidence of the exponential upper limit are both 95%. The K-factors for an exponential distribution differ from those of a normal distribution, and are given in an EPA guidance document (EPA, 1991).

Poisson Upper Tolerance Limit

In the case where less than 10%, but more than 0%, of the background data were detected, a Poisson Tolerance Limit was used to compare individual Landfill No. 25 measurements to background.

The calculations to determine a Poisson upper tolerance limit are somewhat obscure, primarily because the mathematical arguments leading to the tolerance limit are complicated. Essentially, the most probable Poisson rate parameter, λ, is derived by manipulation of the sum of n background measurements. The equation for determining the most probable rate is:

$$\lambda_{T_n} = \frac{1}{2n} \chi^2_\gamma[2T_n + 2]$$

where T_n represents the sum of the Poisson counts of n background samples, and

$$\chi^2_\gamma[2T_n + 2]$$

represents the γ percentile of the Chi-square (X^2) distribution with $2T_n+2$ degrees of freedom. Now, to find the upper tolerance limit with coverage ß% and probable rate λ, determine the Poisson percentile that is larger than ß% of all possible measurements from the distribution using the equation

$$\chi^2_{1-\beta} [2k + 2] \geq 2\lambda_{T_n}$$

where the quantity 2k+2 represents the degrees of freedom of the Chi-square distribution. Finding the smallest degrees of freedom so that the (1-ß)% percentile of the Chi-square distribution is bigger than $2\lambda_{Tn}$, the upper tolerance limit k can be determined. The upper tolerance limit k represents an upper Poisson tolerance limit having approximately ß% coverage with γ % confidence.

3.0 SUMMARY OF RESULTS

Upper tolerance limits were calculated for background samples for those analytes with more than 0% detected results samples. Only one of the twenty-three analytes (silver) had no detected results in background samples. An upper tolerance limit for background could therefore not be calculated for this analyte. Table F-1 presents the number of analyses, the number of detected results, the percentage of detection, the type of limit calculated, the minimum and maximum reporting limits, the upper tolerance limit for each of the 23 metals analyzed in background soil samples, and the amount of coverage provided by that limit. When calculating the upper limits, non-detected results were estimated by substituting one-half the reporting limit for each analyte. Each individual concentration from the samples collected at Landfill No. 25 can be compared to the appropriate background upper tolerance limits. If a concentration from the landfill exceeds the upper tolerance limit, this is an indication that the location from which the sample was collected at the site may be a "hot spot", or an area of contamination. If the concentration from the landfill does not exceed the upper tolerance limit, it is likely that the area is not contaminated.

Table 4-4 of the RI report presents Landfill No. 25 soil sample results that exceeded these upper tolerance limits.

Table F-1
Upper Tolerance Limits

Analyte	Number of Analyses	Number of Detected Results	Percentage of Detection	Type of Limit	Minimum Reporting Limit (mg/kg)	Maximum Reporting Limit (mg/kg)	Upper Tolerance Limit (mg/kg)	Coverage (%)
Aluminum	12	12	100.0	Normal	14.00	17.00	15097.25	95.0
Antimony	2	2	100.0	Normal	0.47	0.52	1.67	95.0
Arsenic	12	12	100.0	Normal	0.28	0.60	8.65	95.0
Barium	12	12	100.0	Non-Parametric	0.71	0.84	860.00	77.9
Beryllium	12	12	100.0	Normal	0.14	0.17	0.62	95.0
Cadmium	12	12	100.0	Normal	0.37	0.42	0.61	95.0
Calcium	12	12	100.0	Normal	74.00	660.00	290045.60	95.0
Chromium	12	12	100.0	Normal	0.71	0.84	10.52	95.0
Cobalt	12	12	100.0	Normal	0.74	0.84	3.93	95.0
Copper	12	12	100.0	Normal	1.40	1.70	5.74	95.0
Iron	12	12	100.0	Normal	3.70	4.20	8844.47	95.0
Lead	12	12	100.0	Non-Parametric	0.21	1.00	9.15	77.9
Magnesium	12	12	100.0	Normal	74.00	84.00	10751.67	95.0
Manganese	12	12	100.0	Non-Parametric	0.71	0.84	140.00	77.9
Mercury	12	11	91.7	Normal	0.04	0.05	0.08	95.0
Molybdenum	12	12	100.0	Normal	3.70	4.20	0.69	95.0
Nickel	12	12	100.0	Normal	1.50	6.70	16.78	95.0

Table F-1
(Continued)

Analyte	Number of Analyses	Number of Detected Results	Percentage of Detection	Type of Limit	Minimum Reporting Limit (mg/kg)	Maximum Reporting Limit (mg/kg)	Upper Tolerance Limit (mg/kg)	Coverage (%)
Potassium	12	12	100.0	Normal	220.00	250.00	2847.43	95.0
Selenium	12	8	66.7	Normal	0.35	0.42	1.20	95.0
Silver	12	0	0.0	None	0.71	0.84	.	.
Sodium	12	12	100.0	Normal	74.00	84.00	317.03	95.0
Vanadium	12	12	100.0	Normal	1.40	1.70	24.66	95.0
Zinc	12	12	100.0	Normal	1.40	1.70	21.81	95.0

4.0 REFERENCES

U.S. Environmental Protection Agency (USEPA), Office of Solid Waste, Permits and State Programs Division. "Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities: Addendum to Interim Final Guidance," June 1992.

APPENDIX G

APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS FOR LANDFILL NO. 25 CANNON AFB, CLOVIS, NEW MEXICO

1.0 ARARs EVALUATION

In 1980, Congress enacted the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. Section 9601 *et seq.,* establishing the Superfund program. The regulations, adopted by The U.S. Environmental Protection Agency (USEPA), that implement this program are found in 40 *Code of Federal Regulations* (CFR) Part 300, also known as the National Contingency Plan (NCP). CERCLA was amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 which mandated that the level or standard of control specified in a remedial action for the site-specific pollutants be "at least that of any applicable or relevant and appropriate (ARAR) standard, requirement, criteria, or limitation under any federal environmental law, or any more stringent standard, requirement, criteria, or limitation promulgated pursuant to a state environmental statute." SARA established that the requirements of the NCP apply to federal facilities in their implementation of the Installation Restoration Program (IRP).

CERCLA, as amended by SARA, requires that federal facility remedial actions (for National Priority List [NPL] as well as IRP sites) comply with requirements or standards under federal and state environmental laws. The 1990 National Contingency Plan (NCP) incorporates the new statutory requirement that remedies at such sites must comply not only with ARARs under federal laws, but also with promulgated standards, requirements, criteria, or limitations under state environmental or facility siting laws that are more stringent than corresponding federal standards. "Promulgated" state requirements are those laws or regulations that are of general applicability and are legally enforceable. In terms of state ARARs, only those promulgated standards that are (1) identified by the state in a timely manner; and (2) more stringent than federal requirements may be ARARs.

The terms "applicable" and "relevant and appropriate" are defined as follows:

"Applicable" requirements, as defined at 40 CFR Section 300.4, are cleanup standards, standards of control, and other substantive environmental protection requirements, criteria, or limitations promulgated under federal environmental or state environmental or facility siting law that specifically address a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance found at a CERCLA site. Applicable requirements are those that would be legally applicable if the remedial action had not been taken under CERCLA; the concept requires that all jurisdictional prerequisites and criteria of the particular statute have been met.

"Relevant and Appropriate" requirements are cleanup standards, standards of control, and other substantive environmental protection requirements, criteria, or limitations promulgated under federal environmental or state environmental or facility siting law that, while not applicable (as defined above), address problems or situations sufficiently similar to those encountered at a CERCLA site that their use is well-suited to the particular site.

1.1 To Be Considered

Criteria, advisories or guidance documents that do not meet the definition of ARARs, but may assist in determining what is necessary to be protective or otherwise be useful in developing Superfund remedies are described as information "to-be-considered" (TBCs). Three general categories of TBCs are: (1) health effects information with a high degree of credibility, i.e., reference doses; (2) technical information on how to perform or evaluate site investigations or response actions; and (3) policy, e.g., USEPA's groundwater policy. The 1990 amendments to the NCP emphasize that TBCs are to be used on an "as appropriate" basis and are intended to complement the use of ARARs, not be in competition with ARARs.

The preliminary ARARs for CAFB described below were identified in accordance with *CERCLA Compliance with Other Laws Manual* (EPA/540/G-89/006 and EPA/540/G-89/009) and *Guidance for Conducting Remedial Investigations Under*

CERCLA, Interim Final (EPA/540/G-89/004). These ARARs will be reassessed in subsequent stages of the remediation at Landfill No. 25 and expanded or refined as needed. Ultimately, the preferred remedial action alternative will be assessed against the CERCLA and IRP cleanup criteria, including attainment of, or compliance with, ARARs.

The following preliminary ARAR identification is divided into three categories of ARARs: 1) ambient or "chemical-specific" requirements; 2) locational standards; and 3) performance, design, or other "action-specific" requirements.

1.2 Chemical-Specific ARARs

Chemical-specific ARARs are typically health-based or risk-based numerical values or methodologies which, when applied to site-specific conditions, result in the establishment of numerical values. These values, in turn, establish the acceptable amount or concentration of a chemical that may be found in, or discharged to, the environment (soil, groundwater, surface water or air) as a result of the remedial action. Potential federal and state chemical-specific ARARs for CAFB are summarized in the following subsections.

1.2.1 Drinking Water Standards

40 CFR Part 141
57 Fed. Reg. 31778, 17 July 1992
N.M. Water Quality Control Commission Regulations (NMWQCCR)
N.M. Drinking Water Regulations

As explained below, current drinking water standards may be an ARAR for the purpose of establishing cleanup levels for contaminated groundwater. The National Primary Drinking Water Regulations establish Maximum Contaminant Levels (MCLs) that are enforceable standards under the Safe Drinking Water Act for specific contaminants in public water supplies. Maximum Contaminant Level Goals (MCLGs)

are non-enforceable goals on which MCLs are based. MCLs are applicable in the selection of groundwater restoration levels. MCLGs are TBC information only.

Table G-1 presents a side-by-side comparison of the federal MCLs, secondary drinking water standards, MCLGs, and New Mexico Human Health Standards. As noted in the footnotes to the table, the federal MCL and MCLG list includes a number of revisions adopted by the USEPA in 1991 and 1992, but which will not become effective until 1993 and 1994. The New Mexico Human Health Standards are found in Section 3-103 of the *New Mexico Water Quality Control Commission Regulations* (NMWQCCR) which specifies concentrations of pollutants that must not be exceeded in groundwater. These promulgated standards are applicable requirements that regulate discharges onto or below the surface of the ground. In addition to the NMWQCCR (regulating discharges onto or below the ground) the New Mexico Drinking Water Standards (a.k.a., "Water Supply Regulations") apply to each public water system supply in New Mexico.

1.2.2 Surface Water Quality Standards

USEPA Quality Criteria for Water 1986
N.M. Water Quality Control Commission Regulations (NMWQCCR)

Surface water quality standards may be an ARAR if the ultimate remedial action selected involves the discharge of pollutants to surface waters, (i.e., discharge of treated groundwater). The USEPA has developed ambient surface water quality criteria (SWQC) for protection of aquatic life, which are found in *Quality Criteria for Water 1986,* EPA 440/5-86-001 (1 May 1986). These federal water quality criteria are not an ARAR because they have not been promulgated by USEPA, but are TBC information. As discussed in Section 4.1, TBC information includes criteria, advisories or guidance documents that do not meet the definition of ARARs but may assist in determining what is necessary to be protective or otherwise useful in developing Superfund remedies. The

Table G-1

National Drinking Water Standards and New Mexico Human Health Standards

Contaminants	National Primary MCLs[a] (mg/l)	New Mexico HHS[b] (mg/l)	National Secondary MCLs[c] (mg/l)	National MCLGs[d] (mg/l)
Organics				
Acrylamide	–	–	–	zero
Alachlor	0.002	–	–	zero
Aldicarb Sulfone	0.003[e]	–	–	0.001[e]
Aldicarb Sulfoxide	0.004[e]	–	–	0.001[e]
Aldicarb	0.003[e]	–	–	0.001[e]
Atrazine	0.003	–	–	0.003
Benzene	0.005	0.01	–	zero
Benzo(a)pyrene	0.0002[f]	–	–	zero[f]
Carbofuran	0.04	–	–	0.04
Carbon Tetrachloride	0.005	0.01	–	zero
Chlordane	0.002	–	–	zero
2,4,-D	0.07	–	–	0.07
Dalapon	0.2[f]	–	–	0.2[f]
Di(2-ethylhexyl)adipate	0.4[f]	–	–	0.4[f]
Di(2-ethylhexyl)phthalate	0.006[f]	–	–	zero[f]
Dibromochloropropane	0.0002	–	–	zero
Para-Dichlorobenzene	0.075	–	–	0.075
o-Dichlorobenzene	0.6	–	–	0.6
Dichloromethane	0.005[f]	–	–	zero[f]
1,2-Dichloroethane	0.005	0.01	–	–
1,2-Dichloropropane	0.005	–	–	zero
1,1-Dichloroethylene	0.007	–	–	0.007
cis-1,2-Dichloroethylene	0.07	–	–	0.07
trans-1,2-Dichloroethylene	0.1	–	–	0.1
Dinoseb	0.007[f]	–	–	0.007[f]
Diquat	0.02[f]	–	–	0.02[f]
Endothall	0.1[f]	–	–	0.1[f]
Endrin	0.0002[h], 0.002[g]	–	–	0.002[g]
Epichlorohydrin	–	–	–	zero
Ethylbenzene	0.7	0.75	–	0.7
Ethylene Dibromide	0.00005	–	–	zero
Glyphosate	0.7[f]	–	–	0.7[f]
Heptachlor Epoxide	0.0002	–	–	zero
Heptachlor	0.0004	–	–	zero

Table G-1

(Continued)

Contaminants	National Primary MCLs[a] (mg/l)	New Mexico HHS[b] (mg/l)	National Secondary MCLs[c] (mg/l)	National MCLGs[d] (mg/l)
Hexachlorobenzene	0.001[f]	–	–	zero[f]
Hexachlorocyclopentadiene	0.05[f]	–	–	0.05[f]
Lindane	0.0002	–	–	0.0002
Methoxychlor	0.04	–	–	0.04
Monochlorobenzene	0.1	–	–	0.1
Oxamyl (Vydate)	0.2[f]	–	–	0.2[f]
Pentachlorophenol	0.001[e]	0.005	–	zero[e]
Picloram	0.5[f]	–	–	0.5[f]
Polychlorinated biphenyls (PCBs as decachloro-biphenyl)	0.0005	–	–	zero
Simazine	0.004[f]	–	–	0.004[f]
Styrene	0.1	–	–	0.1
2,3,7,8-TCDD (dioxin)	3×10^{-8}	–	–	zero[f]
Tetrachloroethylene	0.005	–	–	zero
Toluene	1	–	–	1
2,4,5-TP (Silvex)	0.05	0.005	–	0.05
Total Trihalomethanes	0.10[h,i]	–	–	–
Toxaphene	0.003	–	–	zero
1,2,4-Trichlorobenzene	0.07[f]	–	–	0.07[f]
1,1,1-Trichloroethane	0.2	–	–	0.20
1,1,2-Trichloroethane	0.005[f]	–	–	0.003[f]
Trichloroethylene	0.005	–	–	zero
Vinyl Chloride	0.002	–	–	zero
Xylenes (total)	10	–	–	10
Inorganics				
Aluminum	–	–	0.05 to 0.2	–
Antimony	0.006[f]	–	–	0.006[f]
Arsenic	0.05[h]	0.1	–	–
Asbestos	7 million fibers/liter (longer than 10 μm)	–	–	7 million fibers/liter (longer than 10 μm)
Barium	1[h], 2[e]	1	–	2[e]
Beryllium	0.004[f]	–	–	0.004[f]
Cadmium	0.005	0.01	–	0.005
Chloride	–	–	250	–
Chromium	0.1	0.05	–	0.1
Copper	1.3[h]	1	1.0	1.3
Cyanide (as free Cyanide)	0.2[f]	–	–	0.2[f]

Table G-1

(Continued)

Contaminants	National Primary MCLs[a] (mg/l)	New Mexico HHS[b] (mg/l)	National Secondary MCLs[c] (mg/l)	National MCLGs[d] (mg/l)
Fluoride	4.0	–	2.0	4.0
Iron	–	–	0.3	–
Lead	0.015[h]	0.05	–	zero
Manganese	–	–	0.05	–
Mercury	0.002	0.002	–	0.002
Nickel	0.1[f]	–	–	0.1[f]
Nitrate (as Nitrogen)	10	–	–	10
Nitrite (as Nitrogen)	1	–	–	1
Total Nitrate and Nitrile (as Nitrogen)	10	–	–	10
Selenium	0.05	0.05	–	0.05
Silver	0.05[h]	0.05	0.1	–
Sulfate	–	–	250	–
TDS (total dissolved solids)	–	–	500	–
Thallium	0.002[f]	–	–	0.0005[f]
Zinc	–	10	5	–
Physical Properties				
Color	–	–	15 color units	–
Corrosivity	–	–	non-corrosive	–
Foaming Agents	–	–	0.5	–
Odor	–	–	3 threshold odor number	–
pH	–	–	6.5 - 8.5 S.U.	–

[a] From 40 CFR, Section 141.61 for organics and Section 141.62 for inorganics (effective 30 July 1992, unless otherwise noted).

[b] New Mexico Human Health Standards from N.M. Water Quality Control Commission Regulations as Amended through 18 August 1991.

[c] From 40 CFR Section 143.3 (effective 30 July 1992, unless otherwise noted).

[d] From 40 CFR Section 141.50 for organics and Section 141.51 for inorganics (effective 30 July 1992, unless otherwise noted).

[e] Effective 1 January 1993.

[f] Effective 17 January 1994.

[g] Effective 17 August 1992.

[h] From 40 CFR, Section 141.11 for inorganics and Section 141.12 for organics (effective 1 July 1991; however, the lead level is effective only until 7 December 1992). There is no longer an MCL for lead or copper (Federal Register, 7 June 1991); however, there is an action level of 0.015 mg/L for lead and 1.3 mg/L for copper.

[i] Applies only to community water systems which serve a population of 10,000 or more that have a disinfectant added to the water.

[–] MCL or MCLG not specified.

SWQC establish acceptable in-stream concentration of pollutants, for the protection of aquatic life, as set forth in Table G-2.

1.2.3 USEPA RCRA Proposed Corrective Action Media Action Levels

40 CFR Part 264, Subpart S, Section 264.521 (proposed 27 July 1990, 55 Fed. Reg. 30798 et seq.)

The proposed Corrective Action Subpart S regulations contain methodology and criteria for calculating action levels for contaminants in soil, water, and air. Action levels are not cleanup standards; rather, an exceedence of a media action level potentially triggers the need for a corrective measures study (CMS) of a solid waste management unit (SWMU). RCRA Subpart S action levels are presented in Table G-3. The USEPA health-based criteria used to calculate these action levels are presented in Table G-4. The action levels in Table G-3 were calculated using (1) the recommended exposure assumptions in Appendix D of the proposed Subpart S Corrective Action Rule; (2) the governing equations for calculating action levels presented in Appendix E of the Subpart S rule; and (3) the risk assessment values presented in Table G-4 of this report. Appendix A of the Subpart S rule presents example action levels which are to be updated as new data on hazardous constituents are developed (preamble, 55 *Federal Register* 30798 at Section VI.E.2.b). Table G-4 presents the risk assessment values (i.e., RfDs and CSFs) used in the calculation of the action levels presented in Table G-3. Action levels under the proposed Subpart S are to be considered as points of departure for setting cleanup standards. RCRA corrective action cleanup standards (media protection standards) (discussed in Subsection 4.2.4) are established at the CMS stage and may be less stringent than the action levels depending on the site conditions.

Because the RCRA Subpart S rules have not been promulgated, the media action levels are TBC information only.

Table G-2

Federal Surface Water Quality Criteria

Chemical	Freshwater SWQC	
	Acute (µg/L)	Chronic (µg/L)
METALS		
Antimony	88 [a]	30 [a]
Barium	ND [a]	ND [a]
Beryllium	130 [a,b]	5.3 [a,b]
Cadmium	3.9+ [a]	1.1+ [a]
Chromium (total)	1,700+ [c]	210+ [c]
Cobalt	ND [a]	ND [a]
Copper	9.2+ [a]	6.5+ [a]
Nickel	1,400+ [a]	160+ [c]
Silver	0.92 [a]	0.12 [a]
Tin	--	--
Vanadium	ND [a]	ND [a]
Zinc	120+ [a]	110+ [a]
Arsenic	360 [a,d]	190 [a,d]
Lead	82+ [a]	3.2+ [a]
Mercury	2.4 [a]	0.012 [a]
Selenium	20 [a]	5 [a]
Thallium	1,400 [b,c]	40 [b,c]
ORGANOCHLORINE PESTICIDES AND PCBs		
Aldrin	3 [a]	ND [a]
alpha-BHC	100 [a]	ND [a]
beta-BHC	100 [a]	ND [a]
delta-BHC	100 [a]	ND [a]
gamma-BHC (Lindane)	2 [a]	0.08 [a]
Chlordane (technical)	2.4 [a]	0.0043 [a]
4,4'-DDD	ND [a]	ND [a]
4,4'-DDE	1,500 [a,b]	ND [a]
4,4'-DDT	1.1 [a]	0.001 [a]
Dieldrin	1 [a]	0.0019 [a]
Endosulfan I	0.22 [c]	0.056 [c]
Endosulfan II	0.22 [c]	0.056 [c]
Endosulfan sulfate	--	--

Table G-2

(Continued)

Chemical	Freshwater SWQC	
	Acute (µg/L)	Chronic (µg/L)
Endrin	0.18 [a]	0.0023 [a]
Endrin aldehyde	--	--
Heptachlor	0.52 [a]	0.0038 [a]
Heptachlor epoxide	0.52 [a]	0.0038 [a]
Isodrin	ND [a]	ND [a]
Kepone	--	--
Methoxychlor	ND [a]	0.03 [a]
Toxaphene	0.73 [a]	0.0002 [a]
PCB-1016	2 [a]	0.014 [a]
PCB-1221	2 [a]	0.014 [a]
PCB-1323	2 [a]	0.014 [a]
PCB-1242	2 [a]	0.014 [a]
PCB-1248	2 [a]	0.014 [a]
PCB-1254	2 [a]	0.014 [a]
PCB-1260	2 [a]	0.014 [a]
ORGANOPHOSPHORUS PESTICIDES		
Dimethoate	ND [a]	ND [a]
Disulfoton	ND [a]	ND [a]
Ethyl parathion (parathion)	0.065 [a]	0.013 [a]
Famphur	ND [a]	ND [a]
Parathion methyl	ND [a]	ND [a]
Phorate	ND [a]	ND [a]
Sulfotepp	ND [a]	ND [a]
Thionazin	--	--
o,o,o-Triethylphosphorthioate	--	--
CHLORINATED HERBICIDES		
2,4-D	ND [a]	ND [a]
2,4,5-T	ND [a]	ND [a]
2,4,5-TP (Silvex)	ND [a]	ND [a]
Dinoseb	ND [a]	ND [a]
VOLATILE ORGANICS		
Acetone	ND [a]	ND [a]

Table G-2

(Continued)

Chemical	Freshwater SWQC	
	Acute (µg/L)	Chronic (µg/L)
Acetonitrile	ND [a]	ND [a]
Acrolein	68 [a,b]	21 [a,b]
Acrylonitrile	7550 [a,b]	2600 [a,b]
Benzene	5300 [a,b]	ND [a]
Bromodichloromethane	11000 [a,b]	ND [a]
Bromomethane	11000 [a,b]	ND [a]
Carbon disulfide	ND [a]	2 [a]
Carbon tetrachloride	35200 [a,b]	ND [a]
2-Chloro-1,3-butadiene	ND [a]	ND [a]
Chlorobenzene	250 [a,b]	50 [a,b]
Chloroethane	860000 [a]	230000 [a]
Chloroform	28900 [a,b]	1240 [a,b]
Chloromethane	ND [a]	ND [a]
3-Chloropropene (allyl chloride)	860000 [a]	230000 [a]
Dibromochloromethane	11000 [a,b]	ND [a]
1,2-Dibromo-3-chloropropane	ND [a]	ND [a]
1,2-Dibromoethane	ND [a]	ND [a]
Dibromomethane	ND [a]	ND [a]
trans-1,4-Dichloro-2-butene	--	--
Dichlorodifluoromethane	11000 [a,b]	ND [a]
1,2-Dichloroethane	118000 [a,b]	20000 [a,b]
trans-1,2-Dichloroethene	11600 [a,b]	ND [a]
1,1-Dichloroethane	ND [a]	ND [a]
1,1-Dichloroethene	11600 [a,b]	ND [a]
1,2-Dichloropropane	ND [a]	ND [a]
cis-1,3-Dichloropropene	6060 [c,b]	244 [b,c]
trans-1,3-Dichloropropene	6060 [c,b]	244 [b,c]
Ethyl benzene	32000 [a,b]	ND [a]
Ethyl methacrylate	ND [a]	ND [a]
2-Hexanone	ND [a]	ND [a]
Iodomethane	--	--
Methylene chloride	11000 [a,b]	ND [a]

Table G-2

(Continued)

Chemical	Freshwater SWQC	
	Acute (µg/L)	Chronic (µg/L)
2-Butanone (MEK)	ND [a]	ND [a]
Methyl methacrylate	ND [a]	ND [a]
4-Methyl-2-pentanone (MIBK)	ND [a]	ND [a]
Propanenitrile (propionitrile)	--	--
Styrene	ND [a]	ND [a]
1,1,1,2-Tetrachloroethane	9.32e+03 [a]	ND [a]
1,1,2,2-Tetrachloroethane	9.32e+03 [a]	2400 [a,b]
Tetrachloroethene	ND [a]	ND [a]
Toluene	17500 [a,b]	ND [a]
Tribromomethane	11000 [a,b]	ND [a]
1,1,1-Trichloroethane	18000 [a,b]	ND [a]
1,1,2-Trichloroethane	18000 [a,b]	9400 [a,b]
Trichloroethene	45000 [a,b]	21900 [a,b]
Trichlorofluoromethane	11000 [a,b]	ND [a]
1,2,3-Trichloropropane	ND [a]	ND [a]
Vinyl Acetate	ND [a]	ND [a]
Vinyl Chloride	ND [a]	ND [a]
Xylenes (total)	ND [a]	ND [a]
VOLATILE ORGANICS (Direct Injection)		
1,4-Dioxane	ND [a]	ND [a]
Isobutanol	ND [a]	ND [a]
Methacrylonitrile	ND [a]	ND [a]
SEMIVOLATILE ORGANICS		
Acenaphthene	[a,e]	[a,e]
Acenaphthylene	ND [a]	ND [a]
Acetophenone	ND [a]	ND [a]
2-Acetylaminofluorene	--	--
4-Aminobiphenyl	--	--
Aniline	ND [a]	ND [a]
Anthracene	ND [a]	ND [a]
Aramite	ND [a]	ND [a]
Benzo(a)anthracene	ND [a]	ND [a]

Table G-2

(Continued)

Chemical	Freshwater SWQC	
	Acute (µg/L)	Chronic (µg/L)
Benzo(a)pyrene	ND [a]	ND [a]
Benzo(b)fluoranthene	ND [a]	ND [a]
Benzo(g,h,i)perylene	ND [a]	ND [a]
Benzo(k)fluoranthene	ND [a]	ND [a]
Benzyl alcohol	--	--
4-Bromophenyl phenyl ether	360 [a,b]	120 [a,b]
Butylbenzylphthalate	940 [a,b]	3 [a,b]
4-Chloro-3-methylphenol	ND [a]	ND [a]
4-Chloroaniline	ND [a]	ND [a]
Chlorobenzilate	ND [a]	ND [a]
bis(2-Chloroethoxy)methane	11000 [a,b]	ND [a]
bis(2-Chloroethyl)ether	238000 [a,b]	ND [a]
bis(2-Chloroisopropyl)ether	--	--
2-Chloronaphthalene	2300 [a]	620 [a]
2-Chlorophenol	4380 [a,b]	ND [a]
4-Chlorophenyl phenyl ether	--	--
Chrysene	ND [a]	ND [a]
Diallate	--	--
Dibenz(a,h)anthracene	ND [a]	ND [a]
Dibenzofuran	ND [a]	ND [a]
1,2-Dichlorobenzene	1120 [a,b]	763 [a,b]
1,3-Dichlorobenzene	1120 [a,b]	763 [a,b]
1,4-Dichlorobenzene	ND [a]	ND [a]
3,3'-Dichlorobenzidine	ND [a]	ND [a]
2,4-Dichlorophenol	2020 [a,b]	365 [a,b]
2,6-Dichlorophenol	--	--
Diethylphthalate	940 [a,b]	3 [a,b]
p-Dimethylaminoazobenzene	--	--
7,12-Dimethylbenz(a)anthracene	--	--
3,3'-Dimethylbenzidine	ND [a]	ND [a]
Dimethylphenethylamine	--	--
2,4-Dimethylphenol	2120 [a]	ND [a]

Table G-2

(Continued)

Chemical	Freshwater SWQC	
	Acute (µg/L)	Chronic (µg/L)
Dimethylphthalate	940 [a,b]	3 [a,b]
4,6-Dinitro-2-methylphenol	--	--
Di-n-butylphthalate	940 [a,b]	3 [a,b]
Di-n-octylphthalate	ND [a]	ND [a]
1,3-Dinitrobenzene	ND [a]	ND [a]
2,4-Dinitrophenol	230 [a,b]	150 [a,b]
2,4-Dinitrotoluene	330 [a]	230 [a]
2,6-Dinitrotoluene	ND [a]	ND [a]
Diphenylamine	ND [a]	ND [a]
bis(2-Ethylhexyl)phthalate	400 [a]	360 [a]
Ethylmethane sulfonate	--	--
Fluoranthene	3980 [a]	ND [a]
Fluorene	ND [a]	ND [a]
Hexachlorobenzene	0.61 [a]	3.68 [a]
Hexachlorobutadiene	90 [a,b]	9.3 [a,b]
Hexachlorocyclopentadiene	7 [a,b]	5.2 [a,b]
Hexachloroethane	980 [a,b]	540 [a,b]
Hexachlorophene	ND [a]	ND [a]
Hexachloropropene	--	--
Ideno(1,2,3-c,d)pyrene	ND [a]	ND [a]
Isophorone	117000 [a,b]	ND [a]
Isosafrole	--	--
Methapyrilene	--	--
3-Methylchloanthrene	--	--
Methyl methanesulfonate	--	--
2-Methyl naphthalene	--	--
2-Methylphenol	ND [a]	ND [a]
3-Methylphenol	ND [a]	ND [a]
4-Methylphenol	ND [a]	ND [a]
Naphthalene	2300 [a]	620 [a]
1,4-Naphthoquinone	ND [a]	ND [a]
1-Naphthylamine	--	--

Table G-2

(Continued)

Chemical	Freshwater SWQC	
	Acute (µg/L)	Chronic (µg/L)
2-Naphthylamine	ND [a]	ND [a]
2-Nitroaniline	--	--
3-Nitroaniline	--	--
4-Nitroaniline	--	--
Nitrobenzene	27000 [a,b]	ND [a]
2-Nitrophenol	--	--
4-Nitrophenol	ND [a]	ND [a]
4-Nitroquinoline-N-oxide	--	--
N-Nitroso-di-n-butylamine	5850 [a,b]	ND [a]
N-Nitrosodiethylamine	5850 [a,b]	ND [a]
N-Nitrosodiphenylamine	5850 [a,b]	ND [a]
N-Nitrosodipropylamine	5850 [a,b]	ND [a]
N-Nitrosodimethylamine	5850 [a,b]	ND [a]
N-Nitrosomethylethylamine	5850 [a,b]	ND [a]
N-Nitrosomorpholine	--	--
N-Nitrosopiperidine	--	--
N-Nitrosopyrrolidine	5850 [a,b]	ND [a]
5-Nitro-o-toluidine	--	--
Pentachlorobenzene	250 [a,b]	50 [a,b]
Pentachloroethane	--	--
Pentachloronitrobenzene	250 [a,b]	50 [a,b]
Pentachlorophenol	22 pH [a]	13 pH [a]
Phenacetin	--	--
Phenanthrene	30 [a]	6.3 [a]
Phenol	10200 [a,b]	2560 [a,b]
p-Phenylenediamine	--	--
2-Picoline	--	--
Pronamide	ND [a]	ND [a]
Pyrene	ND [a]	ND [a]
Pyridine	ND [a]	ND [a]
Safrole	--	--
1,2,4,5-Tetrachlorobenzene	250 [a,b]	50 [a,b]

Table G-2

(Continued)

Chemical	Freshwater SWQC	
	Acute (µg/L)	Chronic (µg/L)
2,3,4,6-Tetrachlorophenol	ND [a]	ND [a]
o-Toluidine	--	--
1,2,4-Trichlorobenzene	250 [a,b]	50 [a,b]
2,4,5-Trichlorophenol	100 [a]	63 [a]
2,4,6-Trichlorophenol	ND [a]	970 [a,b]
DIOXINS AND FURANS		
2,3,7,8-Tetrachlorodibenzo-p-dioxin	.01 [b,c]	.00001 [b,c]
Tetrachlorodibenzo-p-dioxins	--	--
Tetrachlorodibenzo-p-furans	--	--
Pentachlorodibenzo-p-dioxins	--	--
Pentachlorodibenzo-p-furans	--	--
Hexachlorodibenzo-p-dioxins	--	--
Hexachlorodibenzo-p-furans	--	--
GENERAL		
Cyanide	22 [a]	5.2 [a]
Sulfide	--	2 [c]
Total Organic Carbon	--	--

Source: USEPA Quality Criteria for Water, 1986, unless otherwise noted.

Notes:

[a] U.S. Environmental Protection Agency (EPA), 1992b. Integrated Risk Information System (IRIS). May 28, 1992.

[b] Lowest effect concentration, criteria not available.

[c] U.S. Environmental Protection Agency (EPA), 1991c. "Amendments to The Water Quality Standards Regulation to Establish the Numeric Criteria for Priority Toxic Pollutants Necessary to Bring All States into Compliance with Section 303(c)(2)(B); Proposed Rule. Federal Register 56223, Tuesday, November 19, 1991.

[d] Proposed criteria.

[e] (Total NH_3) pH and temperature dependant.

HBL Health-Based Level

ND No data available.

U Under review.

-- Not available.

+ Hardness dependent criteria (100 mg/l used).

Table G-3

RCRA Proposed Subpart S Media Action Levels [a]

Chemical	Soil Action Levels		Air Action Level		Water Action Level	
	(noncarc) (mg/kg)	(carc) (mg/kg)	(noncarc) (μg/m3)	(carc) (μg/m3)	(noncarc) (mg/L)	(carc) (mg/L)
METALS						
Antimony	3.20e+01	–	–	–	1.40e-02	–
Barium	5.60e+03	–	–	–	2.45e+00	–
Beryllium	4.00e+02	1.63e-01	–	4.17e-04	1.75e-01	8.14e-06
Cadmium	8.00e+01	–	–	5.56e-04	1.75e-02	–
Chromium (III)	8.00e+04	–	–	–	3.50e+01	–
Chromium (VI)	4.00e+02	–	–	8.33-05	1.80e-01	–
Cobalt	–	–	–	–	–	–
Copper	3.20e+03	–	–	–	1.40e+00	–
Nickel	1.60e+03	–	–	–	7.00e-01	–
Silver	4.00e+02	–	–	–	1.75e-01	–
Tin	4.80e+04	–	–	–	2.10e+01	–
Vanadium	5.60e+02	–	–	–	2.45e-01	–
Zinc	1.60e+04	–	–	–	7.00e+00	–
Arsenic	2.40e+01	–	–	2.33e-04	1.05e-02	–
Lead	1.14e+02	–	–	–	1.50e-02[b]	–
Mercury	–	–	–	–	–	–
Selenium	4.00e+02	–	–	–	1.75e-01	–
Thallium	0.4e+01	–	–	–	2.45e-03	–
ORGANOCHLORINE PESTICIDES AND PCBs						
Aldrin	2.40e+00	4.12e-02	–	2.04e-04	1.05e-03	2.06e-06
alpha-BHC	–	1.11e-01	–	5.56e-04	–	5.56e-06
beta-BHC	–	3.89e+00	–	1.89e-02	–	1.94e-04
delta-BHC	–	–	–	–	–	–
gamma-BHC (Lindane)	2.40e+01	5.38e-01	–	–	1.05e-02	2.69e-05
Chlordane (technical)	4.80e+00	5.38e-01	–	2.70e-03	2.10e-03	2.69e-05
4,4'-DDD	–	2.92e+00	–	–	–	1.46e-04
4,4'-DDE	–	2.06e+00	–	–	–	1.03e-04
4,4'-DDT	4.00e+01	2.06e+00	–	1.03e-02	1.75e-02	1.03e-04
Dieldrin	4.00e+00	4.38e-02	–	2.17e-04	1.75e-03	2.19e-06
Endosulfan I	4.00e+00	–	–	–	1.75e-03	–
Endosulfan II	4.00e+00	–	–	–	1.75e-03	–
Endosulfan sulfate	4.00e+00	–	–	–	1.75e-03	–
Endrin	2.40e+01	–	–	–	1.05e-02	–
Endrin aldehyde	–	–	–	–	–	–
Heptachlor	4.00e+01	1.56e-01	–	7.69e-04	1.75e-02	7.78e-06
Heptachlor epoxide	1.04e+00	7.69e-02	–	3.85e-04	4.55e-04	3.85e-06

Table G-3

(Continued)

Chemical	Soil Action Levels		Air Action Level		Water Action Level	
	(noncarc) (mg/kg)	(carc) (mg/kg)	(noncarc) (μg/m3)	(carc) (μg/m3)	(noncarc) (mg/L)	(carc) (mg/L)
Isodrin	–	–	–	–	–	–
Kepone	–	1.00e+00[c]	–	–	–	–
Methoxychlor	4.00e+02	–	–	–	1.75e-01	–
Toxaphene	–	6.36e-01	–	3.13e-03	–	3.18e-05
PCB-1016	–	9.09e-02	–	–	–	4.55e-06
PCB-1221	–	9.09e-02	–	–	–	4.55e-06
PCB-1323	–	9.09e-02	–	–	–	4.55e-06
PCB-1242	–	9.09e-02	–	–	–	4.55e-06
PCB-1248	–	9.09e-02	–	–	–	4.55e-06
PCB-1254	–	9.09e-02	–	–	–	4.55e-06
PCB-1260	–	9.09e-02	–	–	–	4.55e-06
ORGANOPHOSPHORUS PESTICIDES						
Dimethoate	1.60e+01	–	–	–	7.00e-03	–
Disulfoton	3.20e+00	–	–	–	1.40e-03	–
Ethyl parathion (parathion)	4.80e+02	–	–	–	2.10e-01	–
Famphur	–	–	–	–	–	–
Parathion methyl	2.00e+01	–	–	–	8.75e-03	–
Phorate	–	–	–	–	–	–
Sulfotepp	4.00e+01	–	–	–	1.75e-02	–
Thionazin	–	–	–	–	–	–
o,o,o-Triethylphosphorthioate	–	–	–	–	–	–
CHLORINATED HERBICIDES						
2,4-D	8.00e+02	–	–	–	3.50e-01	–
2,4,5-T	8.00e+02	–	–	–	3.50e-01	–
2,4,5-TP (Silvex)	6.40e+02	–	–	–	2.80e-01	–
Dinoseb	8.00e+01	–	–	–	3.50e-02	–
VOLATILE ORGANICS						
Acetone	8.00e+03	–	–	–	3.50e+00	–
Acetonitrile	4.80e+02	–	–	–	2.10e-01	–
Acrolein	8.00e+03	–	2.00e-02	–	3.50e+00	–
Acrylonitrile	–	1.30e+00	2.00e+00	1.47e-02	–	6.48e-05
Benzene	–	2.41e+01	–	1.20e-01	–	1.21e-03
Bromodichloromethane	1.60e+03	5.38e+00	–	–	7.00e-01	2.69e-04
Bromomethane	1.12e+02	–	5.00e-02	–	4.90e-02	–
Carbon disulfide	8.00e+03	–	–	–	3.50e+00	–
Carbon tetrachloride	5.60e+01	5.38e+00	–	6.67e-02	2.45e-02	2.69e-04
2-Chloro-1,3-butadiene	1.60e+03	–	–	–	7.00e+00	–

Table G-3

(Continued)

Chemical	Soil Action Levels		Air Action Level		Water Action Level	
	(noncarc) (mg/kg)	(carc) (mg/kg)	(noncarc) (µg/m3)	(carc) (µg/m3)	(noncarc) (mg/L)	(carc) (mg/L)
Chlorobenzene	1.60e+03	–	–	7.00e+02	7.00e-01	–
Chloroethane	–	–	1.00e+04	–	–	–
Chloroform	8.00e+02	1.15e+02	–	4.35e-02	3.50e-01	5.74e-03
Chloromethane	–	–	–	–	–	–
3-Chloropropene (allyl chloride)	–	–	1.00e+00	–	–	–
Dibromochloromethane	1.60e+03	8.33e+01	–	–	7.00e-01	4.17e-03
1,2-Dibromo-3-chloropropane	–	–	2.00e-01	4.2e-04	–	–
1,2-Dibromoethane	–	–	–	4.55e-03	–	–
Dibromomethane	–	8.24e-03	–	–	–	4.12e-07
trans-1,4-Dichloro-2-butene	–	–	–	3.85e-04	–	–
Dichlorodifluoromethane	1.60e+04	–	–	–	7.00e+00	–
1,2-Dichloroethane	–	7.69e+00	–	3.85e-02	–	3.85e-04
trans-1,2-Dichloroethene	1.60e+03	–	–	–	7.00e-01	–
1,1-Dichloroethane	8.00e+03	–	–	–	3.50e+00	–
1,1-Dichloroethene	7.20e+02	1.17e+01	–	2.00e-01	3.15e-01	5.83e-04
1,2-Dichloropropane	–	1.03e+01	4.00e+00	–	–	5.15e-04
cis-1,3-Dichloropropene	2.40e+01	3.89e+00	2.00e+01	2.70e-02	1.05e-02	1.94e-04
trans-1,3-Dichloropropene	2.40e+01	3.89e+00	2.00e+01	2.70e-02	1.05e-02	1.94e-04
Ethyl benzene	8.00e+03	–	1.00e+03	–	3.50e+00	–
Ethyl methacrylate	7.20e+03	–	–	–	3.15e+00	–
2-Hexanone	–	–	–	–	–	–
Iodomethane	–	–	–	–	–	–
Methylene chloride	4.80e+03	9.33e+01	–	2.13e+00	2.10e+00	4.67e-03
2-Butanone (MEK)	4.00e+03	–	–	–	1.75e+00	–
Methyl methacrylate	6.40e+03	–	–	–	2.80e+00	–
4-Methyl-2-pentanone (MIBK)	4.00e+03	–	–	–	1.75e+00	–
Propanenitrile (propionitrile)	–	–	–	–	–	–
Styrene	1.60e+04	–	1.00+03	–	7.00e+00	1.17e-03
1,1,1,2-Tetrachloroethane	2.40e+03	2.69e+01	–	–	1.05e+00	1.35e-02
1,1,2,2-Tetrachloroethane	–	3.50e+01	–	1.72e-02	–	1.75e-03
Tetrachloroethene	8.00e+02	1.37e+01	–	–	3.50e-01	6.86e-04
Toluene	1.60e+04	–	–	–	7.00e+00	–
Tribromomethane	1.60e+03	8.86e+01	–	9.09e-01	7.00e-01	4.43e-03
1,1,1-Trichloroethane	7.20e+03	–	–	–	3.15e+00	–
1,1,2-Trichloroethane	3.20e+02	1.23e+02	–	6.06e-01	1.40e-01	6.14e-03
Trichloroethene	–	–	–	–	–	3.18e-03
Trichlorofluoromethane	2.40e+04	–	–	–	1.05e+01	–

Table G-3

(Continued)

Chemical	Soil Action Levels		Air Action Level		Water Action Level	
	(noncarc) (mg/kg)	(carc) (mg/kg)	(noncarc) (μg/m3)	(carc) (μg/m3)	(noncarc) (mg/L)	(carc) (mg/L)
1,2,3-Trichloropropane	4.80e+02	–	–	–	2.10e-01	–
Vinyl Acetate	8.00e+04	–	2.00e+02	–	3.50e+01	–
Vinyl Chloride	–	3.68e-01	–	–	–	1.84e-05
Xylenes (total)	1.60e+05	–	–	–	7.00e+01	–
VOLATILE ORGANICS (Direct Injection)						
1,4-Dioxane	8.00e+03	6.40e+01	–	–	3.50e+00	3.18e-03
Isobutanol	2.40e+04	–	–	–	1.05e+01	–
Methacrylonitrile	8.00e+00	–	–	–	3.50e-03	–
SEMIVOLATILE ORGANICS						
Acenaphthene	4.80e+03	–	–	–	2.10e+00	–
Acenaphthylene	–	–	–	–	–	–
Acetophenone	8.00e+03	–	–	–	3.50e+00	–
2-Acetylaminofluorene	–	–	–	–	–	–
4-Aminobiphenyl	–	–	–	–	–	–
Aniline	–	1.23e+02	1.00e+00	–	–	6.14e-03
Anthracene	2.40e+04	–	–	–	1.05e+01	–
Aramite	–	2.80e+01	–	1.40e-01	–	1.40e-03
Benzo(a)anthracene	–	8.33e-01	–	–	–	4.17e-05
Benzo(a)pyrene	–	1.21e-01	–	–	–	6.04e-06
Benzo(b)fluoranthene	–	8.64e-01	–	–	–	4.32e-05
Benzo(g,h,i)perylene	–	5.38e+00	–	–	–	2.69e-04
Benzo(k)fluoranthene	–	1.84e+00	–	–	–	9.21e-05
Benzyl alcohol	2.40e+04	–	–	–	1.05e+01	–
4-Bromophenyl phenyl ether	1.60e+03	–	–	–	7.00e-01	–
Butylbenzylphthalate	1.60e+04	–	–	–	7.00e+00	–
4-Chloro-3-methylphenol	–	–	–	–	–	–
4-Chloroaniline	3.20e+02	–	–	–	1.40e-01	–
Chlorobenzilate	1.60e+03	–	–	–	7.00e-01	–
bis(2-Chloroethoxy)methane	–	–	–	–	–	–
bis(2-Chloroethyl)ether	–	6.36e-01	–	3.03e-03	–	3.18e-05
bis(2-Chloroisopropyl)ether	–	–	–	–	–	–
2-Chloronaphthalene	6.40e+03	–	–	–	2.80e+00	–
2-Chlorophenol	4.00e+02	–	–	–	1.75e-01	–
4-Chlorophenyl phenyl ether	–	–	–	–	–	–
Chrysene	–	2.80e+01	–	–	–	1.40e-03
Diallate	–	1.15e+01	–	–	–	5.74e-04
Dibenz(a,h)anthracene	–	1.09e-01	–	–	–	5.47e-06

Table G-3

(Continued)

Chemical	Soil Action Levels		Air Action Level		Water Action Level	
	(noncarc) (mg/kg)	(carc) (mg/kg)	(noncarc) (µg/m3)	(carc) (µg/m3)	(noncarc) (mg/L)	(carc) (mg/L)
Dibenzofuran	–	–	–	–	–	–
1,2-Dichlorobenzene	7.20e+03	–	–	–	3.15e+00	–
1,3-Dichlorobenzene	–	–	–	–	–	–
1,4-Dichlorobenzene	–	2.92e+01	–	–	–	1.46e-02
3,3'-Dichlorobenzidine	–	1.56e+00	–	–	–	7.78e-05
2,4-Dichlorophenol	2.40e+02	–	–	–	1.05e-01	–
2,6-Dichlorophenol	–	–	–	–	–	–
Diethylphthalate	6.40e+04	–	–	–	2.80e+01	–
p-Dimethylaminoazobenzene	–	–	–	–	–	–
7,12-Dimethylbenz(a)anthracene	–	–	–	–	–	–
3,3'-Dimethylbenzidine	–	7.61e-02	–	–	–	3.80e-06
Dimethylphenethylamine	–	–	–	–	–	–
2,4-Dimethylphenol	1.60e+03	–	–	–	7.00e-01	–
Dimethylphthalate	–	–	–	–	–	–
4,6-Dinitro-2-methylphenol	–	–	–	–	–	–
Di-n-butylphthalate	8.00e+03	–	–	–	3.50e+00	–
Di-n-octylphthalate	1.60e+03	–	–	–	7.00e-01	–
1,3-Dinitrobenzene	8.00e+00	–	–	–	3.50e-03	–
2,4-Dinitrophenol	1.60e+02	–	–	–	7.00e-02	–
2,4-Dinitrotoluene	1.60e+02	–	–	–	7.00e-02	–
2,6-Dinitrotoluene	–	–	–	–	–	5.15e-05
Diphenylamine	2.00e+03	–	–	–	8.75e-01	–
bis(2-Ethylhexyl)phthalate	1.60e+03	5.00e+01	–	–	7.00e-01	2.50e-03
Ethylmethane sulfonate	–	–	–	–	–	–
Fluoranthene	3.20e+03	–	–	–	1.40e+00	–
Fluorene	3.20e+03	–	–	–	1.40e+00	–
Hexachlorobenzene	6.40e+01	4.38e-01	–	2.17e-03	2.80e-02	2.19e-05
Hexachlorobutadiene	1.60e+02	8.97e+01	–	4.55e-01	7.00e-02	4.49e-03
Hexachlorocyclopentadiene	5.60e+02	–	–	–	2.45e-01	–
Hexachloroethane	8.00e+01	5.00e+02	–	2.50e+00	3.50e-02	2.50e-02
Hexachlorophene	2.40e+01	–	–	–	1.05e-02	–
Hexachloropropene	–	–	–	–	–	–
Ideno(1,2,3-c,d)pyrene	–	5.38e-01	–	–	–	2.69e-05
Isophorone	1.60e+04	1.71e+03	–	–	7.00e+00	8.54e-02
Isosafrole	–	–	–	–	–	–
Methapyrilene	–	–	–	–	–	–
3-Methylchloanthrene	–	–	–	–	–	–

Table G-3

(Continued)

Chemical	Soil Action Levels		Air Action Level		Water Action Level	
	(noncarc) (mg/kg)	(carc) (mg/kg)	(noncarc) (μg/m3)	(carc) (μg/m3)	(noncarc) (mg/L)	(carc) (mg/L)
Methyl methanesulfonate	–	–	–	–	–	–
2-Methyl naphthalene	–	–	–	–	–	–
2-Methylphenol	4.00e+03	–	–	–	1.75e+00	–
3-Methylphenol	4.00e+03	–	–	–	1.75e+00	–
4-Methylphenol	4.00e+03	–	–	–	1.75e+00	–
Naphthalene	3.20e+03	–	–	–	1.40e-01	–
1,4-Naphthoquinone	–	–	–	–	–	–
1-Naphthylamine	–	–	–	–	–	–
2-Naphthylamine	–	–	–	–	–	–
2-Nitroaniline	–	–	–	–	–	–
3-Nitroaniline	–	–	–	–	–	–
4-Nitroaniline	–	–	–	–	–	–
Nitrobenzene	4.00e+01	–	–	–	1.75e-02	–
2-Nitrophenol	–	–	–	–	–	–
4-Nitrophenol	–	–	–	–	–	–
4-Nitroquinoline-N-oxide	–	–	–	–	–	–
N-Nitroso-di-n-butylamine	–	1.30e-01	–	6.25e-04	–	6.48e-06
N-Nitrosodiethylamine	–	4.67e-03	–	2.33e-05	–	2.33e-07
N-Nitrosodiphenylamine	–	1.43e+02	–	–	–	7.14e-03
N-Nitrosodipropylamine	–	1.00e-01	–	–	–	5.00e-06
N-Nitrosodimethylamine	–	1.37e-02	–	7.14e-05	–	6.86e-07
N-Nitrosomethylethylamine	–	3.18e-02	–	–	–	1.59e-06
N-Nitrosomorpholine	–	–	–	–	–	–
N-Nitrosopiperidine	–	–	–	–	–	–
N-Nitrosopyrrolidine	–	3.33e-01	–	1.64e-03	–	1.67e-05
5-Nitro-o-toluidine	–	–	–	–	–	–
Pentachlorobenzene	6.40e+01	–	–	–	2.80e-02	–
Pentachloroethane	–	–	–	–	–	–
Pentachloronitrobenzene	2.40e+02	–	–	–	1.05e-01	–
Pentachlorophenol	2.40e+03	5.83e+00	–	–	1.05e+00	2.92e-04
Phenacetin	–	–	–	–	–	–
Phenanthrene	4.80e+00	–	–	–	2.10e-03	–
Phenol	4.80e+04	–	–	–	2.10e+01	–
p-Phenylenediamine	–	–	–	–	–	–
2-Picoline	–	–	–	–	–	–
Pronamide	6.00e+03	–	–	–	2.63e+00	–
Pyrene	2.40e+03	–	–	–	1.05e+00	–

Table G-3

(Continued)

Chemical	Soil Action Levels		Air Action Level		Water Action Level	
	(noncarc) (mg/kg)	(carc) (mg/kg)	(noncarc) (µg/m3)	(carc) (µg/m3)	(noncarc) (mg/L)	(carc) (mg/L)
Pyridine	8.00e+01	–	–	–	3.50e-02	–
Safrole	–	–	–	–	–	–
1,2,4,5-Tetrachlorobenzene	2.40e+01	–	–	–	1.05e-02	–
2,3,4,6-Tetrachlorophenol	2.40e+03	–	–	–	1.05e+00	–
o-Toluidine	–	2.92e+00	–	–	–	1.46e-04
1,2,4-Trichlorobenzene	8.00e+02	–	–	–	4.59e-02	–
2,4,5-Trichlorophenol	8.00e+03	–	–	–	3.50e+00	–
2,4,6-Trichlorophenol	–	6.36e+01	–	3.23e-01	–	3.18e-03
DIOXINS AND FURANS						
2,3,7,8-Tetrachlorodibenzo-p-dioxin	–	4.67e-06	–	3.3e-08	–	2.33e-10
Tetrachlorodibenzo-p-furans[c]	–	4.67e-05	–	–	–	2.33e-09
Pentachlorodibenzo-p-dioxins[c]	–	9.33e-06	–	–	–	4.67e-10
Pentachlorodibenzo-p-furans[c]	–	9.33e-06	–	–	–	4.67e-10
Hexachlorodibenzo-p-dioxins[c]	–	4.67e-05	–	–	–	2.33e-09
Hexachlorodibenzo-p-furans[c]	–	4.67e-05	–	–	–	2.33e-09
GENERAL						
Cyanide	1.60e+03	–	–	–	7.00e-01	–
Sulfide	–	–	–	–	–	–
Total Organic Carbon	–	–	–	–	–	–

Source: Proposed 40 CFR Section 264.521

[a] Action levels are based on criteria outlined in Table 2-5.

[b] Maximum Contaminant Level Goals and National Primary Drinking Water Regulations for Lead and Copper. Final rule. Federal Register 56110, Friday, June 7, 1991.

[c] Value given for 2,3,7,8-isomers; other isomers considered non-carcinogenic and have no health-based action levels.

Table G-4

USEPA Health-Based Criteria for the Calculation of Proposed Subpart S Action Levels

Chemical	EPA Carc. Class[h]	Oral RfD (mg/kg/d)	Oral SF 1/(kg/kg/d)	Inhalation RfC (mg/m3)	Inhalation Unit Risk 1/(µg/m3)
METALS					
Barium	D	7.00e-02[a]	ND[a]	U[b]	ND[b]
Beryllium	B2	5.00e-03[a]	4.30e+00[a]	ND[b]	2.40e-03[b]
Cadmium	B1	1.00e-03[a]	ND[a]	U[b]	1.80e-03[b]
Chromium (III)	D	1.00e+00[c]	–	ND[c]	U[c]
Chromium (VI)	A	5.00e-03[c]	–	U[c]	1.20e-02[c]
Cobalt		U[a]	ND[a]	ND[b]	ND[b]
Copper	D	4.00e-02[d]	ND[a]	ND[b]	ND
Nickel	D	2.00e-02[a]	ND[a]	–	–
Silver	D	5.00e-03[a]	ND[a]	ND[b]	ND[b]
Tin		6.00e-01[e]	–	–	–
Vanadium		7.00e-03[e]	ND[a]	ND[b]	ND[b]
Zinc	D	2.00e-01[e]	ND[a]	ND[b]	ND[b]
Arsenic	A	3.00e-04[a]	ND[a]	ND[b]	4.30e-03[b]
Lead	B2	1.40e-03[k]	ND[a]	ND[b]	ND[b]
Mercury	D	U[a]	ND[a]	U[b]	ND[b]
Selenium	D	5.00e-03[a]	ND[a]	ND[b]	ND[b]
Thallium		8.00e-04	–	–	–
ORGANOCHLORINE PESTICIDES AND PCBs					
Aldrin	B2	3.00e-05[a]	1.70e+01[a]	ND[b]	4.90e-03[b]
alpha-BHC	B2	ND[a]	6.30e+00[a]	ND[b]	1.80e-03[b]
beta-BHC	C	ND[a]	1.80e+00[a]	ND[b]	5.30e-04[b]
delta-BHC	D	ND[a]	–	ND[b]	ND[b]
gamma-BHC (Lindane)	B2/C	3.00e-04[a]	1.30e+00[e]	ND[b]	ND[b]
Chlordane (technical)	B2	6.00e-05[a]	1.30e+00[a]	ND[b]	3.70e-04[b]
4,4'-DDD	B2	ND[a]	2.40e-01[a]	ND[b]	ND[b]
4,4'-DDE	B2	ND[a]	3.40e-01[a]	ND[b]	ND[b]
4,4'-DDT	B2	5.00e-04[a]	3.40e-01[a]	ND[b]	9.70e-05[b]
Dieldrin	B2	5.00e-05[a]	1.60e+01[a]	ND[b]	4.60e-03[b]
Endosulfan I	D	5.00e-05[f]	–	–	–
Endosulfan II	D	5.00e-05[f]	–	–	–

Table G-4

(Continued)

Chemical	EPA Carc. Class[b]	Oral RfD (mg/kg/d)	Oral SF 1/(kg/kg/d)	Inhalation RfC (mg/m3)	Inhalation Unit Risk 1/(µg/m3)
Endosulfan sulfate		5.00e-05[f]	–	–	–
Endrin	D	3.00e-04[a]	ND[a]	ND[b]	ND[b]
Endrin aldehyde		–	–	–	–
Heptachlor	B2	5.00e-04[a]	4.50e+00[a]	ND[b]	1.30e-03[b]
Heptachlor epoxide	B2	1.30e-05[a]	9.10e+00[a]	ND[b]	2.60e-03[b]
Isodrin		U[a]	ND[a]	ND[b]	ND[b]
Kepone		–	–	–	–
Methoxychlor		5.00e-03[a]	ND[a]	U[b]	ND[b]
Toxaphene	B2	ND[a]	1.10e+00[a]	ND[b]	3.20e-04[b]
PCB-1016	B2	ND[a]	7.70e+00[a]	ND[b]	ND[b]
PCB-1221	B2	ND[a]	7.70e+00[a]	ND[b]	ND[b]
PCB-1323	B2	ND[a]	7.70e+00[a]	ND[b]	ND[b]
PCB-1242	B2	ND[a]	7.70e+00[a]	ND[b]	ND[b]
PCB-1248	B2	ND[a]	7.70e+00[a]	ND[b]	ND[b]
PCB-1254	B2	ND[a]	7.70e+00[a]	ND[b]	ND[b]
PCB-1260	B2	ND[a]	7.70e+00[a]	ND[b]	ND[b]
ORGANOPHOSPHORUS PESTICIDES					
Dimethoate	D	2.00e-04[a]	ND[a]	ND[b]	ND[b]
Disulfoton	D	4.00e-05[a]	ND[a]	ND[b]	ND[b]
Ethyl parathion (parathion)	C	6.00e-03	ND[a]	ND[b]	ND[b]
Famphur		U[a]	ND[a]	ND[b]	ND[b]
Parathion methyl	D	2.50e-04[a]	ND[a]	ND[b]	ND[b]
Phorate		ND[a]	ND[a]	ND[b]	ND[b]
Sulfotepp		5.00e-04[a]	ND[b]	ND[b]	ND[b]
Thionazin		–	–	–	–
o,o,o-Triethylphosphorthioate		–	–	–	–
CHLORINATED HERBICIDES					
2,4-D		1.00e-02[a]	ND[a]	ND[b]	ND[b]
2,4,5-T		1.00e-02[a]	ND[a]	ND[b]	ND[b]
2,4,5-TP (Silvex)		8.00e-03[a]	ND[a]	ND[b]	ND[b]
Dinoseb		1.00e-03[a]	ND[a]	ND[b]	ND[b]

Table G-4

(Continued)

Chemical	EPA Carc. Class[b]	Oral RfD (mg/kg/d)	Oral SF 1/(kg/kg/d)	Inhalation RfC (mg/m3)	Inhalation Unit Risk 1/(µg/m3)
VOLATILE ORGANICS					
Acetone	D	1.00e-01[a]	ND[a]	ND[b]	ND[b]
Acetonitrile	D	6.00e-03[a]	ND[a]	U[b]	ND[b]
Acrolein		1.00e-01[a]	ND[a]	2.00e-05[b]	ND[b]
Acrylonitrile	B1	ND a	5.40e-01[a]	2.00e-03[b]	6.80e-05[b]
Benzene	A	–	2.90e-02[a]	U[b]	8.30e-06[b]
Bromodichloromethane	B2	2.00e-02[b]	1.30e-01[a]	ND[b]	ND[b]
Bromomethane	D	1.40e-03[a]	ND[a]	5.00e-05[b]	ND[b]
Carbon disulfide	D	1.00e-01[a]	ND[a]	U[b]	ND[b]
Carbon tetrachloride	B2	7.00e-04[a]	1.30e-01[a]	ND[b]	1.50e-05[b]
2-Chloro-1,3-butadiene		2.00e-02[e]	–	7.00e-03	ND[b]
Chlorobenzene	D	2.00e-02[a]	ND[a]	U[b]	ND[b]
Chloroethane		ND[a]	ND[a]	1.00e+01[b]	ND[b]
Chloroform	B2	1.00e-02[a]	6.10e-03[a]	U[b]	2.30e-05[b]
Chloromethane	C	U[a]	ND[a]	U[b]	ND[b]
3-Chloropropene (allyl chloride)		ND[a]	ND[a]	1.00e-03[b]	ND[b]
Dibromochloromethane	C	2.00e-02[a]	8.40e-02[a]	ND[b]	ND[b]
1,2-Dibromo-3-chloropropane	B2	ND[a]	ND[a]	2.00e-04[b]	2.4e-03
1,2-Dibromoethane	B2	U[a]	8.50e+01[a]	U[b]	2.20e-04[b]
Dibromomethane	B2	ND[a]	8.50e+01[a]	U[b]	ND[b]
trans-1,4-Dichloro-2-butene		–	–	–	2.60e-03[b]
Dichlorodifluoromethane	D	2.00e-01[a]	ND[a]	ND[b]	ND[b]
1,2-Dichloroethane	B2	ND[a]	9.10e-02[a]	ND[b]	2.60e-05[b]
trans-1,2-Dichloroethene		2.00e-02[a]	ND[a]	ND[b]	ND[b]
1,1-Dichloroethane	C	1.00e-01[e]	ND[a]	U	ND[b]
1,1-Dichloroethene	C	9.00e-03[a]	6.00e-01[a]	U[b]	5.00e-05[b]
1,2-Dichloropropane	B2	ND[a]	6.80e-02[e]	4.00e-03[b]	ND[b]
cis-1,3-Dichloropropene	B2	3.00e-04[g]	1.80e-01[g]	2.00e-02[g]	3.70e-05[g]
trans-1,3-Dichloropropene	B2	3.00e-04[g]	1.80e-01[g]	2.00e-02[g]	3.70e-05[g]
Ethyl benzene	D	1.00e-01[a]	–	1.00e+00[b]	ND[b]
Ethyl methacrylate		9.00e-02[e]	ND[a]	ND[b]	ND[b]
2-Hexanone		–	ND[a]	ND[b]	ND[b]

Table G-4

(Continued)

Chemical	EPA Carc. Class[b]	Oral RfD (mg/kg/d)	Oral SF 1/(kg/kg/d)	Inhalation RfC (mg/m3)	Inhalation Unit Risk 1/(µg/m3)
Iodomethane		–	–	–	–
Methylene chloride	B2	6.00e-02[a]	7.50e-03[a]	U[b]	4.70e-07[b]
2-Butanone (MEK)	D	5.00e-02[e]	ND[a]	U[b]	ND[b]
Methyl methacrylate		8.00e-02[e]	ND[a]	ND[b]	ND[b]
4-Methyl-2-pentanone (MIBK)		5.00e-02[e]	–	U[b]	ND[b]
Propanenitrile (propionitrile)		–	–	–	–
Styrene	B2	2.00e-01[a]	–	1[e]	ND[b]
1,1,1,2-Tetrachloroethane	C	3.00e-02[a]	2.60e-02[a]	ND[b]	ND[b]
1,1,2,2-Tetrachloroethane	C	U[a]	2.00e-01[a]	ND[b]	5.80e-05[b]
Tetrachloroethene	B2	1.00e-02[a]	5.10e-02[e]	ND[b]	ND[b]
Toluene	D	2.00e-01[a]	ND[a]	U[b]	ND[b]
Tribromomethane	B2	2.00e-02[a]	7.90e-03[a]	ND[b]	1.10e-06[b]
1,1,1-Trichloroethane	D	9.00e-02[e]	ND[a]	U[b]	ND[b]
1,1,2-Trichloroethane	C	4.00e-03[a]	5.70e-02[a]	U[b]	1.65e-05[b]
Trichloroethene	B2	U[a]	–	U[b]	ND[b]
Trichlorofluoromethane	D	3.00e-01[a]	ND[a]	ND[b]	ND[b]
1,2,3-Trichloropropane		6.00e-03[a]	ND[a]	ND[b]	ND[b]
Vinyl Acetate		1.00e+00[e]	ND[a]	2.00e-01[b]	ND[b]
Vinyl Chloride	A	ND[a]	1.90e+00[e]	ND[b]	ND[b]
Xylenes (total)	D	2.00e+00[a]	ND[a]	U[b]	ND[b]
VOLATILE ORGANICS (Direct Injection)					
1,4-Dioxane	B2	1.00e-01[a]	1.10e-02[a]	ND[b]	ND[b]
Isobutanol		3.00e-01[a]	ND[a]	ND[b]	ND[b]
Methacrylonitrile		1.00e-04[a]	ND[a]	ND[b]	ND[b]
SEMIVOLATILE ORGANICS					
Acenaphthene		6.00e-02[a]	ND[a]	ND[b]	ND[b]
Acenaphthylene		U[a]	ND[a]	ND[b]	ND[b]
Acetophenone	D	1.00e-01[c]	–	U[b]	ND[b]
2-Acetylaminofluorene		–	–	–	–
4-Aminobiphenyl		–	–	–	–
Aniline	B2	ND[a]	5.70e-03[e]	1.00e-03[b]	ND[b]
Anthracene	D	3.00e-01[a]	ND[a]	ND[b]	ND[b]

Table G-4

(Continued)

Chemical	EPA Carc. Class[b]	Oral RfD (mg/kg/d)	Oral SF 1/(kg/kg/d)	Inhalation RfC (mg/m3)	Inhalation Unit Risk 1/(µg/m3)
Aramite	B2	U[a]	2.50e-02[a]	ND[b]	7.16e-06[b]
Benzo(a)anthracene	B2	ND[a]	8.40e-01[h]	ND[b]	ND[b]
Benzo(a)pyrene	B2	ND[a]	5.79e+00[a]	ND[b]	ND[b]
Benzo(b)fluoranthene	B2	ND[a]	8.10e-01[h]	ND[b]	ND[b]
Benzo(g,h,i)perylene		ND[a]	1.30e-01[h]	ND[b]	ND[b]
Benzo(k)fluoranthene	B2	–	3.80e-01[h]	ND[b]	ND[b]
Benzyl alcohol		3.00e-01[e]	–	–	–
4-Bromophenyl phenyl ether		2.00e-02[a]	ND[a]	ND[b]	ND[b]
Butylbenzylphthalate	C	2.00e-01[a]	ND[a]	ND[b]	ND[b]
4-Chloro-3-methylphenol		–	–	ND[b]	ND[b]
4-Chloroaniline		4.00e-03[a]	ND[a]	ND[b]	ND[b]
Chlorobenzilate		2.00e-02[a]	ND[a]	ND[b]	ND[b]
bis(2-Chloroethoxy)methane		ND[a]	ND[a]	ND[b]	ND[b]
bis(2-Chloroethyl)ether	B2	ND[a]	1.10e+00[a]	U[b]	3.30e-04[b]
bis(2-Chloroisopropyl)ether		–	–	–	–
2-Chloronaphthalene		8.00e-02[a]	ND[a]	ND[b]	ND[b]
2-Chlorophenol	D	5.00e-03[a]	ND[a]	ND[b]	ND[b]
4-Chlorophenyl phenyl ether		–	–	–	–
Chrysene		ND[a]	2.50e-02[h]	ND[b]	ND[b]
Diallate	B2	–	6.10e-02[e]	–	–
Dibenz(a,h)anthracene	B2	ND[a]	6.40e+00[h]	ND[b]	ND[b]
Dibenzofuran		ND[a]	ND[a]	U[b]	ND[b]
1,2-Dichlorobenzene		9.00e-02[a]	ND[a]	ND[b]	ND[b]
1,3-Dichlorobenzene		ND[a]	ND[a]	ND[b]	ND[b]
1,4-Dichlorobenzene	C	ND[a]	2.40e-02[e]	ND[b]	ND[b]
3,3'-Dichlorobenzidine	B2	ND[a]	4.50e-01[a]	U[b]	ND[b]
2,4-Dichlorophenol	D	3.00e-03[a]	ND[a]	ND[b]	ND[b]
2,6-Dichlorophenol		–	–	–	–
Diethylphthalate	D	8.00e-01[a]	ND[a]	ND[b]	ND[b]
p-Dimethylaminoazobenzene		–	–	–	–
7,12-Dimethylbenz(a)anthracene		–	–	–	–
3,3'-Dimethylbenzidine	B2	ND[a]	9.20e+00[e]	U[b]	ND[b]

Table G-4

(Continued)

Chemical	EPA Carc. Class[b]	Oral RfD (mg/kg/d)	Oral SF 1/(kg/kg/d)	Inhalation RfC (mg/m3)	Inhalation Unit Risk 1/(µg/m3)
Dimethylphenethylamine		–	–	–	–
2,4-Dimethylphenol		2.00e-02[a]	ND[a]	ND[b]	ND[b]
Dimethylphthalate		U[a]	ND[a]	U[b]	ND[b]
4,6-Dinitro-2-methylphenol		–	–	–	–
Di-n-butylphthalate	D	1.00e-01[a]	ND[a]	U[b]	ND[b]
Di-n-octylphthalate		2.00e-02[e]	ND[a]	ND[b]	ND[b]
1,3-Dinitrobenzene	D	1.00e-04[a]	ND[a]	ND[b]	ND[b]
2,4-Dinitrophenol	D	2.00e-03[a]	ND[a]	U[b]	ND[b]
2,4-Dinitrotoluene		2.00-03[c]	ND[a]	U[b]	ND[b]
2,6-Dinitrotoluene	B2	U[a]	ND[c]	ND[b]	ND[b]
Diphenylamine	D	2.50e-02[a]	ND[a]	ND[b]	ND[b]
bis(2-Ethylhexyl)phthalate	B2	2.00e-02[a]	1.40e-02[a]	ND[b]	ND[b]
Ethylmethane sulfonate		–	–	–	–
Fluoranthene		4.00e-02[a]	ND[a]	ND[b]	ND[b]
Fluorene		4.00e-02[a]	ND[a]	ND[b]	ND[b]
Hexachlorobenzene	B2	8.00e-04[a]	1.60e+00[a]	U[b]	4.60e-04[b]
Hexachlorobutadiene	C	2.00e-03[a]	7.80e-02[a]	U[b]	2.20e-05[b]
Hexachlorocyclopentadiene	D	7.00e-03[a]	ND[a]	ND[b]	ND[b]
Hexachloroethane	C	1.00e-03[a]	1.40e-02[a]	U[b]	4.00e-06[b]
Hexachlorophene	D	3.00e-04[a]	ND[a]	ND[b]	ND[b]
Hexachloropropene		–	–	–	–
Ideno(1,2,3-c,d)pyrene	B2	ND[a]	1.30e+00[h]	ND[b]	ND[b]
Isophorone	C	2.00e-01[a]	4.10e-03[a]	U[b]	ND[b]
Isosafrole		–	–	–	–
Methapyrilene		–	–	–	–
3-Methylchloanthrene		–	–	–	–
Methyl methanesulfonate		–	–	–	–
2-Methyl naphthalene		–	–	–	–
2-Methylphenol	D	5.00e-02[a]	ND[a]	U[b]	ND[b]
3-Methylphenol	D	5.00e-02[a]	ND[a]	U[b]	ND[b]
4-Methylphenol	C	5.00e-02[e]	ND[a]	U[b]	ND[b]
Naphthalene	D	4.00e-02[e]	ND[a]	ND[b]	ND[b]

Table G-4

(Continued)

Chemical	EPA Carc. Class[b]	Oral RfD (mg/kg/d)	Oral SF 1/(kg/kg/d)	Inhalation RfC (mg/m3)	Inhalation Unit Risk 1/(µg/m3)
1,4-Naphthoquinone		U[a]	ND[a]	ND[b]	ND[b]
1-Naphthylamine		–	–	–	–
2-Naphthylamine		ND[a]	ND[a]	ND[b]	ND[b]
2-Nitroaniline		–	–	–	–
3-Nitroaniline		–	–	–	–
4-Nitroaniline		–	–	–	–
Nitrobenzene		5.00e-04[a]	ND[a]	U[b]	ND[b]
2-Nitrophenol		–	–	–	–
4-Nitrophenol		U[a]	ND[a]	U[b]	ND[b]
4-Nitroquinoline-N-oxide		–	–	–	–
N-Nitroso-di-n-butylamine	B2	ND[a]	5.40e+00[a]	U[b]	1.60e-03[b]
N-Nitrosodiethylamine	B2	ND[a]	1.50e+02[a]	ND[b]	4.30e-02[b]
N-Nitrosodiphenylamine	B2	ND[a]	4.90e-03[a]	ND[b]	ND[b]
N-Nitrosodipropylamine	B2	ND[a]	7.00e+00[a]	ND[b]	ND[b]
N-Nitrosodimethylamine	B2	ND[a]	5.10e+01[a]	ND[b]	1.40e-02[b]
N-Nitrosomethylethylamine	B2	ND[a]	2.20e+01[a]	ND[b]	ND[b]
N-Nitrosomorpholine		–	–	–	–
N-Nitrosopiperidine		–	–	–	–
N-Nitrosopyrrolidine	B2	ND[a]	2.10e+00[a]	ND[b]	6.10e-04[b]
5-Nitro-o-toluidine		–	–	–	–
Pentachlorobenzene	D	8.00e-04[a]	ND[a]	ND[b]	ND[b]
Pentachloroethane		–	–	–	–
Pentachloronitrobenzene	C	3.00e-03[a]	ND[a]	ND[b]	ND[b]
Pentachlorophenol	B2	3.00e-02[a]	1.20e-01[a]	U[b]	ND[b]
Phenacetin		–	–	–	–
Phenanthrene	D	6.00e-05[l]	ND[a]	ND[b]	ND[b]
Phenol	D	6.00e-01[a]	ND[e]	U[b]	ND[b]
p-Phenylenediamine		–	–	–	–
2-Picoline		–	–	–	–
Pronamide	D	7.50e-02[a]	ND[a]	ND[b]	ND[b]
Pyrene	D	3.00e-02[a]	ND[a]	ND[b]	ND[b]
Pyridine	D	1.00e-03[a]	ND[a]	ND[b]	ND[b]

Table G-4

(Continued)

Chemical	EPA Carc. Class [b]	Oral RfD (mg/kg/d)	Oral SF 1/(kg/kg/d)	Inhalation RfC (mg/m3)	Inhalation Unit Risk 1/(µg/m3)
Safrole		–	–	–	–
1,2,4,5-Tetrachlorobenzene	D	3.00e-04 [a]	ND [a]	ND [b]	ND [b]
2,3,4,6-Tetrachlorophenol	D	3.00e-02 [a]	ND [a]	ND [b]	ND [b]
o-Toluidine	B2	–	2.40e-01 [e]	–	–
1,2,4-Trichlorobenzene	D	1.00e-02 [e]	ND [a]	ND [b]	ND [b]
2,4,5-Trichlorophenol	D	1.00e-01 [a]	ND [a]	ND [b]	ND [b]
2,4,6-Trichlorophenol	B2	ND [a]	1.10e-02 [a]	U [b]	3.10e-06 [b]
DIOXINS AND FURANS					
2,3,7,8-Tetrachlorodibenzo-p-dioxin	B2	–	1.50e+05 [e]	–	3.30e-11 [e]
Tetrachlorodibenzo-p-furans [c]		–	1.5e+04 [j]	–	–
Pentachlorodibenzo-p-dioxins		–	7.5e+04 [j]	–	–
Pentachlorodibenzo-p-furans		–	7.5e+04 [j]	–	–
Hexachlorodibenzo-p-dioxins	B	–	1.5e+04 [j]	–	–
Hexachlorodibenzo-p-furans		–	1.5e+04 [j]	–	–
GENERAL					
Cyanide	D	2.00e-02 [a]	ND [a]	ND [b]	ND [b]
Sulfide		–	–	–	–
Total Organic Carbon		–	–	–	–

Notes:

[a] U.S. Environmental Protection Agency (EPA), 1992b. Integrated Risk Information System (IRIS). May 12, 1992.

[b] U.S. Environmental Protection Agency (EPA), 1992b. Integrated Risk Information System (IRIS). May 28, 1992.

[c] IRIS, September 15, 1992.

[d] Calculated based on drinking water MCL from: U.S. Environmental Protection Agency (EPA), 1991a. Drinking Water Regulations and Health Advisories. Office of Water, Washington, D.C. April, 1991.

[e] U.S. Environmental Protection Agency (EPA), 1992a. Health Effects Assessment Summary Tables (HEAST). Annual FY-1992. NTIS No. PB92-921199. March, 1992.

[f] RFD for endosulfan used (HEAST FY1992).

[g] Calculated based on HBLs for 1,3-dichloropropene from IRIS, May 12 and 28 1992.

[h] Calculated using comparative potency approach in: Clement Associates, Inc., 1988. Comparative Potency Approach for Estimating the Cancer Risk Associated with the Exposure to Mixtures of Polycyclic Aromatic Hydrocarbons. ICF-Clements Associates, Inc., Fairfax, Virginia. April 1, 1988.

Table G-4

(Continued)

[i] Calculated based on HBL from: U.S. Environmental Protection Agency (EPA), 1990. Docket Report on Health-Based Levels and Solubilities Used in the Evaluation of Delisting Petitions Submitted Under 40 CFR Parts 260.20 and 260.22. EPA 68-W9-0091, 1990.

[j] Calculated based on toxicity equivalency factor (TEF) approach in: U.S. Environmental Protection Agency (EPA), 1989. "1989 Update to the Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs)." EPA Risk Assessment Forum, Washington D.C. March, 1989. Value given is for 2,3,7,8-isomer, other isomers are considered non-carcinogenic and have no HBLs or action levels.

[k] Calculated based on action level for lead in water at the tap in: U.S. Environmental Protection Agency (EPA), 1991b. "Maximum Contaminant Level Goals and National Primary Drinking Water Regulations for Lead and Copper; Final Rule." Federal Register 56110, Friday, June 7, 1991.

ND No data available.

U Under review.

– Not listed on IRIS or HEAST.

1.2.4 USEPA RCRA Proposed Corrective Action Media Protection (Cleanup) Standards

40 CFR Part 264, Subpart S, Section 264.521 (proposed 27 July 1990, 55 Fed. Reg. 30798 et seq.)

Media cleanup standards are contaminant concentrations that must be achieved by the remedial action under the proposed RCRA corrective action program. Media cleanup standards must (1) ensure protection of human health and the environment; (2) be set for each medium of concern during the remedy selection process; and (3) be met at the "point of compliance" specified in Section 264.525(e) of Subpart S. The USEPA is proposing to set media cleanup standards within the overall context of the remedy selection process. Because media cleanup standards are still in the proposed stage, they are TBC information for Landfill No. 25 and, if used, would be based on action levels in conjunction with site-specific risk assessments.

1.2.5 Polychlorinated Biphenyls (PCBs)

In 1987, USEPA adopted amendments to the PCB regulations establishing spill cleanup requirements ("PCB cleanup policy"). These requirements apply to PCB spills which occur after 4 May 1987 (effective date). Spills that occurred before the effective date are excluded from the scope of the PCB cleanup policy. The cleanup requirements for those "historic" spills are established on a discretionary basis through the USEPA regional offices.

1.2.6 Total Petroleum Hydrocarbons (TPH) Standards

New Mexico Underground Storage Tank Regulations

New Mexico Underground Storage Tank (UST) Regulations are the only standards available for remediation of soils contaminated with petroleum hydrocarbons.

The New Mexico UST regulations, which are to be considered during remediation, state that decontamination of soil will be complete when:

1. Soil contamination has been reduced to a level which will not contaminate groundwater;

2. No highly contaminated soils remain in the ground; and

3. An analysis of what appears to be the most contaminated soil reveals, for soils contaminated by jet aviation fuel or other heavy petroleum product, that the total petroleum hydrocarbon value is less than 100 ppm, total aromatic hydrocarbon value is less than 50 ppm, and the benzene concentration is less than 10 ppm using an appropriate laboratory test in areas where the underlying groundwater contains 10,000 milligrams per liter or less total dissolved solids and the contaminated soil is 50 feet or less above the seasonal high static groundwater level.

1.3 Location-Specific ARARs

Location-specific ARARs are requirements that affect the management of hazardous constituents, or the units in which they are managed, due to the location of the units. Location-specific ARARs might be triggered, for example, if groundwater remediation were selected as a remedial action which required the construction of new surface wastewater treatment units. Examples of sensitive locations for such units include wetlands, floodplains, historic areas, and wildlife refuges. Federal and state location-specific ARARs are set forth in Table G-5.

1.4 Action-Specific ARARs

Action-specific ARARs are technology-based or activity-based requirements that may be triggered by the particular remedial activities chosen. The action-specific requirements do not in themselves determine the remedial alternatives, rather they place restrictions on the manner in which a selected alternative may be achieved. Table G-6 lists potential action-specific requirements pursuant to each federal

Table G-5

Potential Location-Specific ARARs

Statutory, Regulatory Basis	Citation	Description
Resource Conservation and Recovery Act	40 CFR Sec. 264.18 18 AAC Sec. 63.040	Prohibits or restricts siting of hazardous waste management units in certain sensitive areas (100-year floodplain, active seismic area, wetlands).
Migratory Bird Treaty Act of 1972	16 USC Sec. 703-712 50 CFR Parts 10, 20, 21	If migratory birds are present, provides protection of almost all species of native birds in the U.S. from unregulated activities. Unregulated activities can include poisoning at hazardous waste sites.
Fish and Wildlife Conservation Act of 1980	16 USC Sec. 2901 50 CFR Part 83	Requires the submittal of conservation plans outlining provisions to conserve non-game fish and wildlife. Approved conservation plans are enforced by state agencies.
Federal Land Policy and Management Act	13 USC Sec. 1700 et seq.	Establishes requirements concerning utilization of public lands, particularly rights-of-way regulation, land use planning and land acquisition and appropriation of waters on public lands.
Fish and Wildlife Improvement Act	16 USC Sec. 661-666c	Provides for development, protection, rearing, and stocking of all species of wildlife, wildlife resources, and their habitat.
Endangered Species Act	16 USC 1531 et seq. 50 CFR Part 200 50 CFR Part 402	Provides for protection and conservation of various species of fish, wildlife, and plants.
New Mexico Wildlife Conservation Act	NMSA, Sections 17-2-37 through 17-2-46	Includes an amended listing of endangered wildlife in New Mexico.
Clean Water Act, Section 404	33 USC 1251 et seq. Sec. 404 40 CFR Part 230	Prohibits discharge of dredged or fill material into wetlands without a permit.
Fish and Wildlife Improvement Act	33 CFR 320-330	Provides for management of dredged material; establish requirements for structures affecting navigable waterways; and provides for certain permitting requirements.
Archaeological and Historic Preservation Act	16 USC Sec. 469 40 CFR 6.301(c)	Establishes procedures for preservation of historical and archaeological resources when terrain is altered as a result of a federal or federally licensed construction activity.
National Historic Preservation Act	16 USC Sec. 470 40 CFR Sec. 6.301(b) 36 CFR Part 800	Provides for the protection of historic places.
Historic Sites, Buildings, and Antiquities Act	16 USC Sec. 461-467	Provides for the protection of natural landmarks.

Table G-6

Potential Action-Specific Federal ARARs
Landfill 25
Cannon Air Force Base, New Mexico

Standard, Requirement, Criteria, or Limitation	Citation	Description	Comments/ Applicability
Solid Waste Disposal Act	42 USC Sec. 6901-6987	Resource Conservation and Recovery	
Criteria for Classification of Solid Waste Disposal Facilities and Practices	40 CFR Part 257	Establishes criteria for use in determining which solid waste disposal facilities and practices pose a reasonable probability of adverse effects on health or the environment and thereby prohibit open dumps.	Landfilling
Criteria for Municipal Solid Waste Disposal Facilities	40 CFR Part 258	Establishes minimum federal criteria for design, construction, operation, and permitting of municipal solid waste landfills.	
Identification and Listing of Hazardous Waste	40 CFR Part 261	Defines those solid wastes which are subject to regulation as hazardous waste.	
Standards Applicable to Generators of Hazardous Waste	40 CFR Part 262	Establishes standards for generators of hazardous waste	Remedial action causes hazardous waste to be generated
Standards Applicable to Transporters of Hazardous Waste	40 CFR Part 263	Establishes standards which apply to persons transporting hazardous waste within the U.S.	Transport of wastes offsite
Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	40 CFR Part 264	Establishes minimum national standards which define the acceptable management of hazardous waste for owners and operators of facilities which treat, store, or dispose of hazardous waste.	

Table G-6

(Continued)

Standard, Requirement, Criteria, or Limitation	Citation	Description	Comments/ Applicability
Interim Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities	40 CFR Part 265	Establishes minimum national standards that define the acceptable management of hazardous waste during the period of interim status and until certification of final closure or, if the facility is subject to post-closure requirements, until post-closure responsibilities are fulfilled.	
Standards for Management of Specific Hazardous Wastes and Specific Types of Hazardous Waste Management Facilities	40 CFR Part 266	Establishes requirements which apply to recyclable materials used in a manner constituting disposal or hazardous waste burned for energy recovery.	Hazardous wastes are recycled on or offsite
Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities	40 CFR Part 267	Establishes minimum national standards that define acceptable management of hazardous waste land disposal facilities.	Landfilling onsite
Land Disposal Restrictions Program	40 CFR Part 268	Sets treatment standards for hazardous wastes based on the levels achievable by current technology; sets two-year national variances from the statutory effective dates due to insufficient treatment capacity.	Off-site land disposal of liquid wastes
Hazardous Waste Permit Program	40 CFR Part 270	Establishes provisions covering basic EPA permitting requirements.	

Table G-6

(Continued)

Standard, Requirement, Criteria, or Limitation	Citation	Description	Comments/ Applicability
Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks (USTs)	40 CFR Part 280	Provides regulations pertaining to underground storage tanks.	Operation or removal of an UST
Clean Water Act	33 USC Sec. 1251-1376		
EPA-Administered Permit Programs: The National Pollutant Discharge Elimination System	40 CFR Part 122	Requirements for the discharge of pollutants from any point source into waters of the U.S.	Applicable if remedial action requires outfall discharge
Criteria and Standards for the National Pollutant Discharge Elimination System	40 CFR Part 125	Provides discharge criteria, chemical standards, and permit forms for existing industrial operations.	Applicable to remedial actions which cause discharge to waters of the U.S.
Occupational Safety and Health Act of 1970	29 USC Sec. 657 and 667		
Occupational Safety and Health Standards	29 CFR Part 1910	Sets standards for safety in the work environment.	Applicable to all remedial actions
Safety and Health Regulations for Construction	29 CFR Part 1926	Sets standards for safety in the construction work environment.	
Safety and Health Standards for Federal Service Contracts	29 CFR Part 1925	States that safety and health standards are applicable to work performed under Federal Service Contracts.	
Clean Air Act			
National Emissions Standards for Hazardous Air Pollutants	40 CFR Part 61	Establishes emissions standards for hazardous air pollutants that may reasonably be anticipated to result in an increase in mortality or an increase in serious irreversible, or incapacitating illness.	Incineration, storage of petroleum liquids; air stripping

Table G-6

(Continued)

Standard, Requirement, Criteria, or Limitation	Citation	Description	Comments/ Applicability
National Primary and Secondary Ambient Air Quality Standards	40 CFR Part 50	Establishes standards for ambient air quality to protect public health and welfare.	
Safe Drinking Water Act	40 USC Sec. 300G		
Underground Injection Control Program	40 CFR Part 144	Provides for protection of underground sources of drinking water.	Underground injection of wastes/ contaminated water
Underground Injection Control Program: Criteria and Standards	46 CFR Part 146	Provides technical requirements for UIC programs.	
Department of Transportation - Hazardous Materials Regulations			
Shipping and Manifesting Requirements for Hazardous Waste	49 CFR Parts 171-179	Provides requirements for packaging, manifesting, and transportation of hazardous waste.	Applicable to all Remedial Actions

and state environmental law. Because this landfill does not fall strictly under the RCRA requirements for closure, a risk-based "no further action" under CERCLA is an option.

APPENDIX H

ANALYTICAL RESULTS FOR CHEMICALS OF POTENTIAL CONCERN AND TOXICITY/CONCENTRATION SCREEN RESULTS FOR LANDFILL NO. 25 CANNON AFB, CLOVIS, NEW MEXICO

Column Headings:

batch_id	ID # for analytical batch of samples
method	Analytical method
begin_dpth	Top sample depth
end_dpth	Bottom sample depth
res_flag	Analytical result flag
res	Sample concentration results
adj_res	Sample concentration results including proxy concentrations and averaged field duplicate results
rep_lim	Sample reporting limits
foot	Sample foot notes
units	Sample units

APPENDIX H Section 1:

Samples Used in Risk Assessment

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
Organics										
SW8150 - 2,4,5-T										
GC592110512-7	CAN97-09-03	9	11	ND	N	7.1	3.55	7.1		ug/kg
GC592110512-7	CAN97-09-07	29	31	ND	N	7.2	3.6	7.2		ug/kg
GC592110512-7	CAN97-09-09	39	41	ND	N	7.1	3.55	7.1		ug/kg
GC592110512-7	CAN97-10-03	9	11	ND	N	7.2	3.6	7.2		ug/kg
GC592110512-7	CAN97-10-06	24	26	ND	N	7.4	3.7	7.4		ug/kg
GC592110512-7	CAN97-10-08	34	36	ND	N	7.1	3.55	7.1		ug/kg
GC592110512-7	CAN97-11-02	4	6	ND	N	7.8	3.9	7.8		ug/kg
GC592110512-7	CAN97-11-04	14	16	ND	N	7.8	3.9	7.8		ug/kg
GC592110512-7	CAN97-11-09	39	41	ND	N	7.1	3.55	7.1		ug/kg
GC592111712-7	CAN97-12-06	5	7	ND	N	7.1	3.55	7.1		ug/kg
GC592111712-7	CAN97-13-I	4	6	<	N	0.88	0.88	7.2	J	ug/kg
GC592110512-7	CAN97-14-02	4	6	ND	N	7.1	3.55	7.1		ug/kg
GC592110512-7	CAN97-14-06	24	26	ND	N	7	3.5	7		ug/kg
GC592110512-7	CAN97-14-08	34	36	ND	N	6.9	3.45	6.9		ug/kg
GC592111212-7	CAN97-15-S	0	2	ND	N	6.8	3.4	6.8		ug/kg
GC592111712-7	CAN97-16-06	5	7	ND	N	7.3	3.65	7.3		ug/kg
GC592111712-7	CAN97-17-I	4	6	ND	N	7.4	3.7	7.4		ug/kg
GC592111212-7	CAN97-18-S	0	2	>	N	9.6	9.6	6.7	G@	ug/kg
GC592111712-7	CAN97-19-06	5	7	ND	N	7	3.5	7		ug/kg
GC592111712-7	CAN97-20-I	4	6	ND	N	7.3	3.65	7.3		ug/kg
GC592111212-7	CAN97-21-S	0	2	<	N	3.7	3.7	6.7	J	ug/kg
GC592110512-7	CAN97-2A-I	4	6	ND	N	7.2	3.6	7.2		ug/kg
GC592110512-7	CAN97-2B-S	0	2	ND	N	7.1	3.55	7.1		ug/kg
GC592110512-7	CAN97-3A-S	0	2	ND	N	7.7	3.85	7.7		ug/kg
GC592110512-7	CAN97-3A-I	4	6	ND	N	7.5	3.75	7.5		ug/kg
GC592110512-7	CAN97-3A-06	8	10	ND	N	7.4	3.7	7.4		ug/kg
GC592110512-7	CAN97-3B-S	0	2	ND	N	7.7	3.85	7.7		ug/kg
GC592111212-7	CAN97-3C-01	12	14	ND	N	7.3	3.65	7.3		ug/kg
GC592111212-7	CAN97-3C-04	28	30	ND	N	7.4	3.7	7.4		ug/kg
GC592111212-7	CAN97-3C-06	38	40	ND	N	7.5	3.75	7.5		ug/kg
GC592110512-7	CAN97-4A-I	4	6	ND	N	7.2	3.6	7.2		ug/kg
GC592110512-7	CAN97-4B-I	4	6	ND	N	7.2	3.6	7.2		ug/kg
GC592110512-7	CAN97-8A-I	4	6	ND	N	7.2	3.6	7.2		ug/kg
GC592110512-7	CAN97-8B-03	14	16	ND	N	7.3	3.65	7.3		ug/kg
GC592110512-7	CAN97-8B-04	19	21	ND	N	7.3	3.65	7.3		ug/kg
GC592111212-7	CAN97-8B-07	34	36	ND	N	7	3.5	7		ug/kg
GC592110512-7	CAN97-8B-11	54	56	ND	N	7	3.5	7		ug/kg
SW8150 - 2,4,5-TP (Silvex)										
GC592110512-7	CAN97-09-03	9	11	ND	N	6	3	6		ug/kg
GC592110512-7	CAN97-09-07	29	31	ND	N	6.1	3.05	6.1		ug/kg
GC592110512-7	CAN97-09-09	39	41	ND	N	6	3	6		ug/kg
GC592110512-7	CAN97-10-03	9	11	ND	N	6.1	3.05	6.1		ug/kg
GC592110512-7	CAN97-10-06	24	26	ND	N	6.3	3.15	6.3		ug/kg
GC592110512-7	CAN97-10-08	34	36	ND	N	6	3	6		ug/kg
GC592110512-7	CAN97-11-02	4	6	ND	N	6.6	3.3	6.6		ug/kg
GC592110512-7	CAN97-11-04	14	16	ND	N	6.6	3.3	6.6		ug/kg
GC592110512-7	CAN97-11-09	39	41	ND	N	6	3	6		ug/kg
GC592111712-7	CAN97-12-06	5	7	ND	N	6	3	6		ug/kg
GC592111712-7	CAN97-13-I	4	6	<	N	2.9	2.9	6.2	J	ug/kg
GC592110512-7	CAN97-14-02	4	6	ND	N	6.1	3.05	6.1		ug/kg
GC592110512-7	CAN97-14-06	24	26	ND	N	6	3	6		ug/kg
GC592110512-7	CAN97-14-08	34	36	ND	N	5.9	2.95	5.9		ug/kg
GC592111212-7	CAN97-15-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
GC592111712-7	CAN97-16-06	5	7	ND	N	6.2	3.1	6.2		ug/kg
GC592111712-7	CAN97-17-I	4	6	<	N	2.1	2.1	6.2	J	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC592111212-7	CAN97-18-S	0	2	>	N	17	17	5.7	G@	ug/kg
GC592111712-7	CAN97-19-06	5	7	>	N	13	13	5.9	G@	ug/kg
GC592111712-7	CAN97-20-I	4	6	<	N	4.5	4.5	6.2	J	ug/kg
GC592111212-7	CAN97-21-S	0	2	ND	N	5.7	2.85	5.7		ug/kg
GC592110512-7	CAN97-2A-I	4	6	ND	N	6.1	3.05	6.1		ug/kg
GC592110512-7	CAN97-2B-S	0	2	ND	N	6	3	6		ug/kg
GC592110512-7	CAN97-3A-S	0	2	ND	N	6.6	3.3	6.6		ug/kg
GC592110512-7	CAN97-3A-I	4	6	ND	N	6.4	3.2	6.4		ug/kg
GC592110512-7	CAN97-3A-06	8	10	ND	N	6.3	3.15	6.3		ug/kg
GC592110512-7	CAN97-3B-S	0	2	ND	N	6.5	3.25	6.5		ug/kg
GC592111212-7	CAN97-3C-01	12	14	>	N	22	22	6.2	G@	ug/kg
GC592111212-7	CAN97-3C-04	28	30	ND	N	6.2	3.1	6.2		ug/kg
GC592111212-7	CAN97-3C-06	38	40	ND	N	6.3	3.15	6.3		ug/kg
GC592110512-7	CAN97-4A-I	4	6	ND	N	6.2	3.1	6.2		ug/kg
GC592110512-7	CAN97-4B-I	4	6	ND	N	6.1	3.05	6.1		ug/kg
GC592110512-7	CAN97-8A-I	4	6	ND	N	6.1	3.05	6.1		ug/kg
GC592110512-7	CAN97-8B-03	14	16	ND	N	6.2	3.1	6.2		ug/kg
GC592110512-7	CAN97-8B-04	19	21	ND	N	6.2	3.1	6.2		ug/kg
GC592111212-7	CAN97-8B-07	34	36	ND	N	6	3	6		ug/kg
GC592110512-7	CAN97-8B-11	54	56	ND	N	6	3	6		ug/kg
SW8150 - 2,4-D										
GC592111212-7	CAN97-15-S	0	2	<	N	2.3	2.3	41	J	ug/kg
GC592111212-7	CAN97-18-S	0	2	<	N	8.2	8.2	40	J	ug/kg
SW8150 - 2,4-DB										
GC592110512-7	CAN97-09-03	9	11	ND	N	32	16	32		ug/kg
GC592110512-7	CAN97-09-07	29	31	ND	N	33	16.5	33		ug/kg
GC592110512-7	CAN97-09-09	39	41	ND	N	32	16	32		ug/kg
GC592110512-7	CAN97-10-03	9	11	ND	N	33	16.5	33		ug/kg
GC592110512-7	CAN97-10-06	24	26	ND	N	34	17	34		ug/kg
GC592110512-7	CAN97-10-08	34	36	ND	N	32	16	32		ug/kg
GC592110512-7	CAN97-11-02	4	6	ND	N	36	18	36		ug/kg
GC592110512-7	CAN97-11-04	14	16	ND	N	35	17.5	35		ug/kg
GC592110512-7	CAN97-11-09	39	41	ND	N	32	16	32		ug/kg
GC592111712-7	CAN97-12-06	5	7	ND	N	32	16	32		ug/kg
GC592111712-7	CAN97-13-I	4	6	ND	N	33	16.5	33		ug/kg
GC592110512-7	CAN97-14-02	4	6	ND	N	32	16	32		ug/kg
GC592110512-7	CAN97-14-06	24	26	ND	N	32	16	32		ug/kg
GC592110512-7	CAN97-14-08	34	36	ND	N	31	15.5	31		ug/kg
GC592111212-7	CAN97-15-S	0	2	>	N	34	34	31	G@	ug/kg
GC592111712-7	CAN97-16-06	5	7	ND	N	33	16.5	33		ug/kg
GC592111212-7	CAN97-18-S	0	2	ND	N	31	15.5	31		ug/kg
GC592110512-7	CAN97-2A-I	4	6	ND	N	33	16.5	33		ug/kg
GC592110512-7	CAN97-2B-S	0	2	ND	N	32	16	32		ug/kg
GC592110512-7	CAN97-3A-S	0	2	ND	N	35	17.5	35		ug/kg
GC592110512-7	CAN97-3A-I	4	6	ND	N	34	17	34		ug/kg
GC592110512-7	CAN97-3A-06	8	10	ND	N	34	17	34		ug/kg
GC592110512-7	CAN97-3B-S	0	2	ND	N	35	17.5	35		ug/kg
GC592111212-7	CAN97-3C-01	12	14	ND	N	33	16.5	33		ug/kg
GC592111212-7	CAN97-3C-04	28	30	ND	N	33	16.5	33		ug/kg
GC592111212-7	CAN97-3C-06	38	40	ND	N	34	17	34		ug/kg
GC592110512-7	CAN97-4A-I	4	6	ND	N	33	16.5	33		ug/kg
GC592110512-7	CAN97-4B-I	4	6	ND	N	33	16.5	33		ug/kg
GC592110512-7	CAN97-8A-I	4	6	ND	N	33	16.5	33		ug/kg
GC592110512-7	CAN97-8B-03	14	16	ND	N	33	16.5	33		ug/kg
GC592110512-7	CAN97-8B-04	19	21	ND	N	33	16.5	33		ug/kg
GC592111212-7	CAN97-8B-07	34	36	ND	N	32	16	32		ug/kg
GC592110512-7	CAN97-8B-11	54	56	ND	N	32	16	32		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
SW8240 - 2-Hexanone										
450492101913540	CAN97-17-S	0	2	<	N	5	5	50	J	ug/kg
450392101909530	CAN97-3C-07	43	45	<	N	2.4	2.4	55	J	ug/kg
450492101509400	CAN97-4A-06	8	10	<	N	2.2	2.2	54	J	ug/kg
SW8270 - 2-Methylnaphthalene										
MSD292102808540	CAN97-10-01	0	2	<	N	0.037	0.037	0.36	J	ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.023	0.023	0.37	J	ug/g
MSD292110908160	CAN97-13-99	0	2	<	FD	0.027	0.027	0.34	J	ug/g
MSD292110908160	CAN97-15-S	0	2	<	N	0.043	0.043	0.34	J	ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.034	0.034	0.36	J	ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.16	0.16	0.35	J	ug/g
MSD192110210080	CAN97-3C-01	12	14	<	N	0.068	0.068	0.37	J	ug/g
SW8080 - 4,4'-DDD										
GC192111712-15	CAN97-09-01	0	2	<	N	0.35	0.35	0.36	J	ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	>	N	0.41	0.41	0.35	@	ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	>	N	0.8	0.8	0.39	@	ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	>	N	0.8	0.8	0.36	@	ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-99	39	41	>	FD	0.74	0.74	0.35	@	ug/kg
GC792102712-15	CAN97-11-10	46	48	>	N	0.8	0.8	0.38	@	ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	>	N	0.76	0.76	0.35	@	ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	>	N	5.9	5.9	3.3	B@	ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	<	N	0.19	0.19	0.37	J	ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-99	0	2	>	FD	4.2	4.2	3.4	B@	ug/kg
GC192112412-17	CAN97-19-I	4	6	>	N	0.86	0.86	0.35	G@	ug/kg
GC192112412-17	CAN97-19-06	5	7	<	N	0.31	0.31	0.35	J	ug/kg
GC792111912-15	CAN97-20-S	0	2	>	N	9.9	9.9	3.4	B@	ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	>	N	9.4	9.4	8.8	@	ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	>	N	0.59	0.59	0.38	@	ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	>	N	0.43	0.43	0.38	G@	ug/kg
GC892111608-14	CAN97-3C-01	12	14	>	N	3	3	1.8	@	ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-06	8	10	>	N	0.4	0.4	0.36	G@	ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	<	N	0.028	0.028	0.37	J	ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	>	N	1.1	1.1	0.36	G@	ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792110912-15	CAN97-8B-03	14	16	>	N	0.55	0.55	0.37	G@	ug/kg
GC792110912-15	CAN97-8B-04	19	21	>	N	0.42	0.42	0.37	G@	ug/kg
GC792110912-15	CAN97-8B-06	29	31	>	N	0.43	0.43	0.36	G@	ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	>	N	0.41	0.41	0.36	G@	ug/kg
GC792110912-15	CAN97-8B-11	54	56	>	N	0.39	0.39	0.35	@	ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	>	N	0.41	0.41	0.35	G@	ug/kg
SW8080 - 4,4'-DDE										
GC192111712-15	CAN97-09-01	0	2	>	N	20	20	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	<	N	0.29	0.29	0.37	J	ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-99	24	26	>	FD	1.6	1.6	0.35	@	ug/kg
GC892111308-14	CAN97-09-06	24	26	>	N	1.4	1.4	0.35	@	ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	>	N	3	3	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	>	N	220	220	3.6		ug/kg
GC792111212-15	CAN97-10-02	4	6	<	N	0.21	0.21	0.37	J	ug/kg
GC792111212-15	CAN97-10-04	4	16	>	N	1.2	1.2	0.37	@	ug/kg
GC792111212-15	CAN97-10-03	9	11	<	N	0.082	0.082	0.36	J	ug/kg
GC792111212-15	CAN97-10-05	19	21	<	N	0.076	0.076	0.38	J	ug/kg
GC792111212-15	CAN97-10-06	24	26	>	N	0.68	0.68	0.37	@	ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	<	N	0.064	0.064	0.35	J	ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792102712-15	CAN97-11-01	0	2	>	N	15	15	3.7	@	ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	>	N	0.51	0.51	0.36	@	ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	>	N	8.4	8.4	3.4	@	ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-99	0	2	>	FD	4.4	4.35	3.4	@	ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	>	N	8.8	8.8	3.6	@	ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102912-15	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17	@	ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	>	N	10	10	3.4	@	ug/kg
GC492112412-14	CAN97-16-99	4	6	>	FD	12	12	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	<	N	0.75	0.75	3.3	J	ug/kg
GC192112412-17	CAN97-17-I	4	6	>	N	1.6	1.6	0.37	@	ug/kg
GC192112412-17	CAN97-17-99	6	8	>	FD	0.83	0.855	0.37	@	ug/kg
GC792111912-15	CAN97-18-S	0	2	>	N	4.8	4.8	3.4	@	ug/kg
GC192112412-17	CAN97-18-I	4	6	<	N	0.26	0.26	0.37	J	ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-99	0	2	>	FD	3.5	3.05	3.4	@	ug/kg
GC192112412-17	CAN97-19-I	4	6	>	N	5.9	5.9	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	>	N	17	17	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	<	N	1.6	1.6	3.4	J	ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	<	N	0.76	0.76	3.3	J	ug/kg
GC192112412-17	CAN97-21-I	4	6	>	N	0.48	0.48	0.35	@	ug/kg
GC192112412-17	CAN97-21-99	5	7	>	FD	0.42	0.42	0.35	G@	ug/kg
GC192110413-13	CAN97-2A-S	0	2	>	N	8.9	8.9	3.6	@	ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	>	N	10	10	8.8	@	ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	<	N	0.059	0.059	0.38	J	ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	>	N	0.41	0.41	0.37	@	ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-99	0	2	>	FD	1.2	0.85	0.35	@	ug/kg
GC792111212-15	CAN97-4A-I	4	6	<	N	0.097	0.097	0.36	J	ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	>	N	6.1	6.1	3.5	@	ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792110912-15	CAN97-4B-06	8	10	<	N	0.059	0.059	0.36	J	ug/kg
GC792110912-15	CAN97-8A-S	0	2	>	N	35	35	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	>	N	17	17	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	>	N	16	16	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-04	19	21	<	N	0.072	0.072	0.37	J	ug/kg
GC792110912-15	CAN97-8B-05	24	26	<	N	0.075	0.075	0.37	J	ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	>	N	0.43	0.43	0.35	@	ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	<	N	0.066	0.066	0.35	J	ug/kg
SW8080 - 4,4'-DDT										
GC192111712-15	CAN97-09-01	0	2	>	N	10	10	0.71		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.74	0.37	0.74		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.72	0.36	0.72		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.72	0.36	0.72		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.71	0.355	0.71		ug/kg
GC892111308-14	CAN97-09-99	24	26	>	FD	1	0.995	0.7	@	ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.72	0.36	0.72		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.71	0.355	0.71		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.71	0.355	0.71		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.72	0.36	0.72		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.7	0.35	0.7		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.69	0.345	0.69		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.68	0.34	0.68		ug/kg
GC792111212-15	CAN97-10-01	0	2	>	N	110	110	7.1		ug/kg
GC792111212-15	CAN97-10-02	4	6	<	N	0.61	0.61	0.73	J	ug/kg
GC792111212-15	CAN97-10-04	4	16	>	N	0.83	0.83	0.73	@	ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.72	0.36	0.72		ug/kg
GC792111212-15	CAN97-10-99	19	21	<	FD	0.73	0.455	0.75	J	ug/kg
GC792111212-15	CAN97-10-06	24	26	<	N	0.34	0.34	0.74	J	ug/kg
GC792111212-15	CAN97-10-07	29	31	<	N	0.17	0.17	0.7	J	ug/kg
GC792111212-15	CAN97-10-08	34	36	<	N	0.42	0.42	0.71	J	ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.7	0.35	0.7		ug/kg
GC792111212-15	CAN97-10-10	44	46	<	N	0.42	0.42	0.72	J	ug/kg
GC792111212-15	CAN97-10-11	49	51	<	N	0.51	0.51	0.7	J	ug/kg
GC792111212-15	CAN97-10-12	54	56	<	N	0.63	0.63	0.7	J	ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.69	0.345	0.69		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.78	0.39	0.78		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.76	0.38	0.76		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.77	0.385	0.77		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.75	0.375	0.75		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.71	0.355	0.71		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.7	0.35	0.7		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.7	0.35	0.7		ug/kg
GC792111912-15	CAN97-12-S	0	2	<	N	3.8	3.8	6.7	J	ug/kg
GC492112412-14	CAN97-12-I	4	6	>	N	1.4	1.4	0.7	@	ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.7	0.35	0.7		ug/kg
GC792111912-15	CAN97-13-99	0	2	<	FD	2.3	2.35	6.8	J	ug/kg
GC492112412-14	CAN97-13-I	4	6	<	N	0.69	0.69	0.72	J	ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.76	0.38	0.76		ug/kg
GC792102912-15	CAN97-14-01	0	2	>	N	10	10	7.1	@	ug/kg
GC792102912-15	CAN97-14-02	4	6	>	N	0.93	0.93	0.72	@	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102912-15	CAN97-14-03	9	11	ND	N	0.71	0.355	0.71		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.74	0.37	0.74		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.76	0.38	0.76		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.7	0.35	0.7		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.72	0.36	0.72		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.69	0.345	0.69		ug/kg
GC792102912-15	CAN97-14-09	39	41	>	N	1.2	1.2	0.7	@	ug/kg
GC792102912-15	CAN97-14-10	44	46	>	N	0.91	0.91	0.71	@	ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.7	0.35	0.7		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.7	0.35	0.7		ug/kg
GC792102912-15	CAN97-14-13	59	61	>	N	1	1	0.7	@	ug/kg
GC792111912-15	CAN97-15-S	0	2	<	N	27	27	34	J	ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.73	0.365	0.73		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.72	0.36	0.72		ug/kg
GC792111912-15	CAN97-16-S	0	2	<	N	4.8	4.8	6.8	J	ug/kg
GC492112412-14	CAN97-16-99	4	6	>	FD	6.6	6.35	0.69		ug/kg
GC492112412-14	CAN97-16-06	5	7	<	N	0.34	0.34	0.72	J	ug/kg
GC792111912-15	CAN97-17-S	0	2	<	N	5.3	5.3	6.7	J	ug/kg
GC192112412-17	CAN97-17-I	4	6	>	N	1.1	1.1	0.74	@	ug/kg
GC192112412-17	CAN97-17-99	6	8	>	FD	2.3	1.62	0.74	@	ug/kg
GC792111912-15	CAN97-18-S	0	2	>	N	11	11	6.7	@	ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.74	0.37	0.74		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.72	0.36	0.72		ug/kg
GC792111912-15	CAN97-19-99	0	2	>	FD	10	9	6.7	@	ug/kg
GC192112412-17	CAN97-19-I	4	6	>	N	9.2	9.2	0.7		ug/kg
GC192112412-17	CAN97-19-06	5	7	>	N	8.5	8.5	0.7		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	6.8	3.4	6.8		ug/kg
GC492112412-14	CAN97-20-I	4	6	>	N	1.1	1.1	0.73	@	ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.71	0.355	0.71		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	6.7	3.35	6.7		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.7	0.35	0.7		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.7	0.35	0.7		ug/kg
GC192110413-13	CAN97-2A-S	0	2	>	N	37	37	7.2		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.73	0.365	0.73		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.72	0.36	0.72		ug/kg
GC792110912-15	CAN97-2B-S	0	2	>	N	30	30	18	@	ug/kg
GC192110413-13	CAN97-2B-99	4	6	>	FD	1.4	1.4	0.71	G@	ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.73	0.365	0.73		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	7.7	3.85	7.7		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.75	0.375	0.75		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.74	0.37	0.74		ug/kg
GC792110912-15	CAN97-3B-S	0	2	>	N	1.1	1.1	0.77	G@	ug/kg
GC792110912-15	CAN97-3B-I	4	6	>	N	0.83	0.83	0.78	@	ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.75	0.375	0.75		ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	3.7	1.85	3.7		ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.75	0.375	0.75		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.73	0.365	0.73		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.74	0.37	0.74		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.75	0.375	0.75		ug/kg
GC892111608-14	CAN97-3C-06	38	40	<	N	0.52	0.52	0.75	J	ug/kg
GC892111608-14	CAN97-3C-07	43	45	<	N	0.5	0.5	0.74	J	ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.74	0.37	0.74		ug/kg
GC892111608-14	CAN97-3C-09	53	55	<	N	0.49	0.49	0.75	J	ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.72	0.36	0.72		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.7	0.35	0.7		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.7	0.35	0.7		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.7	0.35	0.7		ug/kg
GC792111212-15	CAN97-4A-99	0	2	>	FD	0.84	1.22	0.71	@	ug/kg
GC792111212-15	CAN97-4A-I	4	6	<	N	0.4	0.4	0.72	J	ug/kg
GC792111212-15	CAN97-4A-06	8	10	<	N	0.53	0.53	0.72	J	ug/kg
GC792110912-15	CAN97-4B-S	0	2	<	N	3.8	3.8	7	J	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792110912-15	CAN97-4B-I	4	6	<	N	0.41	0.41	0.72	J	ug/kg
GC792110912-15	CAN97-4B-06	8	10	<	N	0.46	0.46	0.71	J	ug/kg
GC792110912-15	CAN97-8A-S	0	2	>	N	19	19	7.2	@	ug/kg
GC192110413-13	CAN97-8A-I	4	6	>	N	8.4	8.4	0.73		ug/kg
GC192111712-15	CAN97-8B-01	4	6	>	N	41	41	0.73		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.73	0.365	0.73		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.71	0.355	0.71		ug/kg
GC892111308-14	CAN97-8B-07	34	36	<	N	0.62	0.62	0.7	J	ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.71	0.355	0.71		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.7	0.35	0.7		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.72	0.36	0.72		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.71	0.355	0.71		ug/kg
GC892111608-14	CAN97-8B-99	59	61	<	FD	0.53	0.49	0.68	J	ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.7	0.35	0.7		ug/kg
SW8270 - 4-Aminobiphenyl										
MSD292103008070	CAN97-2B-S	0	2	<	N	0.084	0.084	0.35	J	ug/g
SW8270 - Acenaphthene										
MSD292110908160	CAN97-15-S	0	2	<	N	0.11	0.11	0.34	J	ug/g
SW8240 - Acetone										
450392101909530	CAN97-09-01	0	2	ND	N	100	50	100		ug/kg
450492101208290	CAN97-09-02	4	6	ND	N	110	55	110		ug/kg
450492101208290	CAN97-09-03	9	11	ND	N	110	55	110		ug/kg
450492101208290	CAN97-09-04	14	16	ND	N	110	55	110		ug/kg
450492101208290	CAN97-09-05	19	21	ND	N	110	55	110		ug/kg
450492101208290	CAN97-09-06	24	26	ND	N	110	55	110		ug/kg
450392101909530	CAN97-09-07	29	31	ND	N	110	55	110		ug/kg
450492101208290	CAN97-09-10	44	46	ND	N	110	55	110		ug/kg
450492101509400	CAN97-09-11	49	53	ND	N	110	55	110		ug/kg
450492101208290	CAN97-09-12	54	56	ND	N	100	50	100		ug/kg
450492101208290	CAN97-09-13	59	61	ND	N	100	50	100		ug/kg
450492101509400	CAN97-10-01	0	2	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-02	4	6	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-04	4	16	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-03	9	11	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-05	19	21	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-06	24	26	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-07	29	31	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-08	34	36	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-09	39	41	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-11	49	51	ND	N	110	55	110		ug/kg
450492101509400	CAN97-10-12	54	56	ND	N	100	50	100		ug/kg
450492101509400	CAN97-10-13	59	61	ND	N	100	50	100		ug/kg
450492100709590	CAN97-11-01	0	2	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-02	4	6	ND	N	120	60	120		ug/kg
450492100808580	CAN97-11-03	9	11	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-04	14	16	ND	N	120	60	120		ug/kg
450492100709590	CAN97-11-05	19	21	ND	N	120	60	120		ug/kg
450492100709590	CAN97-11-06	24	26	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-07	29	31	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-08	34	36	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-09	39	41	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-10	46	48	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-11	51	53	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-12	54	56	ND	N	110	55	110		ug/kg
450492100709590	CAN97-11-13	59	61	ND	N	100	50	100		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492101913540	CAN97-12-S	0	2	ND	N	100	50	100		ug/kg
450492102009440	CAN97-12-I	4	6	ND	N	110	55	110		ug/kg
450492102009440	CAN97-12-06	5	7	ND	N	110	55	110		ug/kg
450492101913540	CAN97-13-S	0	2	ND	N	100	50	100		ug/kg
450492102009440	CAN97-13-I	4	6	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-01	0	2	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-02	4	6	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-03	9	11	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-04	14	16	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-05	19	21	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-06	24	26	<	N	26	26	110	J	ug/kg
450492100808580	CAN97-14-07	29	31	<	N	25	25	110	J	ug/kg
450492100808580	CAN97-14-08	34	36	ND	N	100	50	100		ug/kg
450492100808580	CAN97-14-09	39	41	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-10	44	46	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-11	49	51	ND	N	100	50	100		ug/kg
450492100808580	CAN97-14-12	54	56	ND	N	110	55	110		ug/kg
450492100808580	CAN97-14-13	59	61	ND	N	100	50	100		ug/kg
450492101913540	CAN97-15-S	0	2	ND	N	100	50	100		ug/kg
450492102210000	CAN97-15-I	4	6	ND	N	110	55	110		ug/kg
450492102210000	CAN97-15-06	6	8	ND	N	110	55	110		ug/kg
450492102009440	CAN97-16-I	4	6	ND	N	100	50	100		ug/kg
450492102009440	CAN97-16-06	5	7	ND	N	110	55	110		ug/kg
450492102210000	CAN97-17-I	4	6	<	N	45	45	110	J	ug/kg
450492102210000	CAN97-17-06	6	8	ND	N	110	55	110		ug/kg
450492101913540	CAN97-18-S	0	2	ND	N	100	50	100		ug/kg
450492102210000	CAN97-18-I	4	6	<	N	78	78	110	J	ug/kg
450492102210000	CAN97-18-06	5	7	ND	N	110	55	110		ug/kg
450492101913540	CAN97-19-S	0	2	ND	N	100	50	100		ug/kg
450492102210000	CAN97-19-I	4	6	ND	N	100	50	100		ug/kg
450492102210000	CAN97-19-06	5	7	ND	N	100	50	100		ug/kg
450492102210000	CAN97-20-I	4	6	ND	N	110	55	110		ug/kg
450492102210000	CAN97-20-06	7	9	ND	N	110	55	110		ug/kg
450392102208550	CAN97-21-S	0	2	ND	N	100	50	100		ug/kg
450492102210000	CAN97-21-I	4	6	ND	N	110	55	110		ug/kg
450492102210000	CAN97-21-06	5	7	ND	N	100	50	100		ug/kg
450492101609490	CAN97-2A-S	0	2	ND	N	110	55	110		ug/kg
450492101609490	CAN97-2A-06	8	10	ND	N	110	55	110		ug/kg
450492101609490	CAN97-2B-S	0	2	ND	N	110	55	110		ug/kg
450492101609490	CAN97-2B-06	8	10	ND	N	110	55	110		ug/kg
450492101208290	CAN97-3A-S	0	2	ND	N	120	60	120		ug/kg
450392101909530	CAN97-3A-I	4	6	ND	N	110	55	110		ug/kg
450392101508460	CAN97-3B-S	0	2	ND	N	120	60	120		ug/kg
450392101508460	CAN97-3B-I	4	6	ND	N	120	60	120		ug/kg
450392101508460	CAN97-3B-06	8	10	ND	N	110	55	110		ug/kg
450392101909530	CAN97-3C-02	18	20	ND	N	110	55	110		ug/kg
450392101909530	CAN97-3C-03	23	25	ND	N	110	55	110		ug/kg
450392101909530	CAN97-3C-04	28	30	ND	N	110	55	110		ug/kg
450392102007500	CAN97-3C-05	33	35	ND	N	110	55	110		ug/kg
450392102007500	CAN97-3C-06	38	40	ND	N	110	55	110		ug/kg
450392101909530	CAN97-3C-07	43	45	ND	N	110	55	110		ug/kg
450392101909530	CAN97-3C-08	48	50	ND	N	110	55	110		ug/kg
450392101909530	CAN97-3C-09	53	55	ND	N	110	55	110		ug/kg
450392101909530	CAN97-3C-10	58	60	ND	N	110	55	110		ug/kg
450392101608360	CAN97-3C-11	63	65	ND	N	100	50	100		ug/kg
450392101608360	CAN97-3C-12	68	70	ND	N	110	55	110		ug/kg
450392101608360	CAN97-3C-13	71	73	ND	N	110	55	110		ug/kg
450492101509400	CAN97-4A-S	0	2	ND	N	110	55	110		ug/kg
450492101509400	CAN97-4A-06	8	10	ND	N	110	55	110		ug/kg
450392101508460	CAN97-4B-S	0	2	ND	N	100	50	100		ug/kg
450392101508460	CAN97-4B-I	4	6	ND	N	110	55	110		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450392101508460	CAN97-4B-06	8	10	ND	N	110	55	110		ug/kg
450392101508460	CAN97-8A-S	0	2	ND	N	110	55	110		ug/kg
450392101508460	CAN97-8A-06	8	10	ND	N	110	55	110		ug/kg
450492101208290	CAN97-8B-01	4	6	ND	N	110	55	110		ug/kg
450392101508460	CAN97-8B-03	14	16	<	N	9.7	9.7	110	J	ug/kg
450392101508460	CAN97-8B-04	19	21	ND	N	110	55	110		ug/kg
450392101608360	CAN97-8B-05	24	26	ND	N	110	55	110		ug/kg
450392101508460	CAN97-8B-06	29	31	ND	N	110	55	110		ug/kg
450392101508460	CAN97-8B-07	34	36	ND	N	100	50	100		ug/kg
450392101508460	CAN97-8B-08	39	41	ND	N	110	55	110		ug/kg
450392101508460	CAN97-8B-09	44	46	ND	N	100	50	100		ug/kg
450392101608360	CAN97-8B-10	49	51	ND	N	110	55	110		ug/kg
450392101508460	CAN97-8B-11	54	56	ND	N	110	55	110		ug/kg
450392101909530	CAN97-8B-12	59	61	ND	N	100	50	100		ug/kg
450392101508460	CAN97-8B-13	64	66	ND	N	110	55	110		ug/kg
SW8080 - Aldrin										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	<	N	2.1	2.1	3.6	J	ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	<	N	1.9	1.9	3.4	J	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	>	N	0.44	0.44	0.36	@	ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	>	N	0.47	0.47	0.36	@	ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	>	N	5.7	5.7	3.3	@	ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	>	N	4	4	0.37	G	ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	<	N	0.27	0.27	0.35	J	ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	>	N	3	3	1.8	@	ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792111212-15	CAN97-4A-99	0	2	>	FD	1.3	1.25	0.35	G@	ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/kg
SW8080 - alpha-BHC										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	>	N	2.4	2.4	1.8	@	ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/kg
SW8270 - Anthracene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.0044	0.0044	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	<	N	0.13	0.13	0.34	J	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.011	0.011	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.03	0.03	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.021	0.021	0.35	J	ug/g
MSD292111209000	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.0087	0.0087	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.015	0.015	0.36	J	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.0063	0.0063	0.35	J	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8240 - Benzene										
450392101909530	CAN97-09-01	0	2	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-09-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-04	14	16	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-05	19	21	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-06	24	26	ND	N	5.4	2.7	5.4		ug/kg
450392101909530	CAN97-09-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-09-08	34	36	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-10	44	46	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-09-11	49	53	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-13	59	61	ND	N	5.1	2.55	5.1		ug/kg
450492101509400	CAN97-10-01	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-04	4	16	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492101509400	CAN97-10-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492101509400	CAN97-10-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-08	34	36	<	N	0.85	0.85	5.3	J	ug/kg
450492101509400	CAN97-10-09	39	41	ND	N	5.3	2.65	5.3		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492101509400	CAN97-10-10	44	46	<	N	1.6	1.6	5.4	J	ug/kg
450492101509400	CAN97-10-11	49	51	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101509400	CAN97-10-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492100709590	CAN97-11-01	0	2	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-02	4	6	ND	N	5.9	2.95	5.9		ug/kg
450492100808580	CAN97-11-03	9	11	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-04	14	16	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-05	19	21	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100709590	CAN97-11-08	34	36	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-10	46	48	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-11	51	53	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-12-S	0	2	ND	N	5	2.5	5		ug/kg
450492102009440	CAN97-12-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102009440	CAN97-12-06	5	7	ND	N	5.3	2.65	5.3		ug/kg
450492101913540	CAN97-13-99	0	2	<	FD	3.8	3.25	5.1	J	ug/kg
450492102009440	CAN97-13-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492102009440	CAN97-13-06	5	7	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-01	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-02	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-03	9	11	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-04	14	16	ND	N	5.5	2.75	5.5		ug/kg
450492100808580	CAN97-14-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-06	24	26	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-08	34	36	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-10	44	46	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-11	49	51	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-15-S	0	2	>	N	6.7	6.7	5.1	@	ug/kg
450492102210000	CAN97-15-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-15-06	6	8	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-16-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102009440	CAN97-16-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102009440	CAN97-16-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-17-S	0	2	<	N	2	2	5	J	ug/kg
450492102210000	CAN97-17-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-17-06	6	8	ND	N	5.5	2.75	5.5		ug/kg
450492101913540	CAN97-18-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-18-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-18-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-19-99	0	2	<	FD	3.1	2.9	5	J	ug/kg
450492102210000	CAN97-19-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102210000	CAN97-19-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-20-S	0	2	<	N	2.8	2.8	5.1	J	ug/kg
450492102210000	CAN97-20-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-20-06	7	9	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-21-S	0	2	>	N	8.2	8.2	5	@	ug/kg
450492102210000	CAN97-21-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102210000	CAN97-21-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101609490	CAN97-2A-S	0	2	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2A-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101609490	CAN97-2A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-S	0	2	ND	N	5.3	2.65	5.3		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492101609490	CAN97-2B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-06	8	10	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-3A-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101909530	CAN97-3A-I	4	6	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-3A-06	8	10	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-3B-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101508460	CAN97-3B-I	4	6	ND	N	5.8	2.9	5.8		ug/kg
450392101508460	CAN97-3B-06	8	10	ND	N	5.7	2.85	5.7		ug/kg
450392101608360	CAN97-3C-01	12	14	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-02	18	20	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-03	23	25	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-04	28	30	ND	N	5.5	2.75	5.5		ug/kg
450392102007500	CAN97-3C-05	33	35	ND	N	5.6	2.8	5.6		ug/kg
450392102007500	CAN97-3C-06	38	40	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-07	43	45	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-08	48	50	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-09	53	55	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-10	58	60	ND	N	5.4	2.7	5.4		ug/kg
450392101608360	CAN97-3C-11	63	65	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-3C-12	68	70	ND	N	5.3	2.65	5.3		ug/kg
450392101608360	CAN97-3C-13	71	73	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-S	0	2	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-4A-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-S	0	2	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-4B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-S	0	2	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-06	8	10	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-8B-01	4	6	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-8B-02	9	11	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-03	14	16	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-04	19	21	ND	N	5.5	2.75	5.5		ug/kg
450392101608360	CAN97-8B-05	24	26	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-06	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-07	34	36	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-8B-08	39	41	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-09	44	46	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-8B-10	49	51	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8B-11	54	56	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-8B-12	59	61	ND	N	5.1	2.55	5.1		ug/kg
450392101508460	CAN97-8B-13	64	66	ND	N	5.3	2.65	5.3		ug/kg
SW8270 - Benzo(a)anthracene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	<	N	0.01	0.01	0.36	J	ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.07	0.07	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	>	N	0.73	0.73	0.34	@	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	<	N	0.01	0.01	0.34	J	ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.018	0.018	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.15	0.0885	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.12	0.12	0.35	J	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.043	0.043	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.071	0.071	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.043	0.043	0.36	J	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.021	0.021	0.35	J	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8270 - Benzo(a)pyrene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	<	N	0.0084	0.0084	0.36	J	ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.086	0.086	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-99	0	2	<	FD	0.0041	0.0041	0.34	J	ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	>	N	0.97	0.97	0.34	@	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	<	N	0.0092	0.0092	0.34	J	ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.18	0.18	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.13	0.08	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.1	0.1	0.35	J	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.037	0.037	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.098	0.098	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.035	0.035	0.36	J	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.018	0.018	0.35	J	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8270 - Benzo(b)fluoranthene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	<	N	0.023	0.023	0.36	JX	ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.2	0.2	0.37	JX	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-99	0	2	<	FD	0.011	0.011	0.34	JX	ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	>	N	1	1	0.34	@	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	<	N	0.034	0.034	0.34	JX	ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.18	0.18	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.15	0.101	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.21	0.21	0.35	JX	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.077	0.077	0.35	JX	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.19	0.19	0.34	JX	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.086	0.086	0.36	JX	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.032	0.032	0.35	JX	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8270 - Benzo(g,h,i)perylene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.058	0.058	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	<	N	0.27	0.27	0.34	J	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.045	0.032	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.051	0.051	0.35	J	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.022	0.022	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.058	0.058	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.025	0.025	0.36	J	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.018	0.018	0.35	J	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8270 - Benzo(k)fluoranthene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	<	N	0.023	0.023	0.36	JX	ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.2	0.2	0.37	JX	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-99	0	2	<	FD	0.011	0.011	0.34	JX	ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	>	N	0.89	0.89	0.34	@	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	<	N	0.034	0.034	0.34	JX	ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.18	0.18	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.12	0.086	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.21	0.21	0.35	JX	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.077	0.077	0.35	JX	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.19	0.19	0.34	JX	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.086	0.086	0.36	JX	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.032	0.032	0.35	JX	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8080 - beta-BHC										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792102712-15	CAN97-11-01	0	2	<	N	2.8	2.8	3.7	J	ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	<	N	0.2	0.2	0.36	J	ug/kg
GC792102712-15	CAN97-11-08	34	36	<	N	0.15	0.15	0.37	J	ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	<	N	0.22	0.22	0.36	J	ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	<	N	1.3	1.3	3.3	J	ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	<	N	1.3	1.3	8.8	J	ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-02	18	20	>	N	4.3	4.3	0.37	G	ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	>	N	4.8	4.8	0.37	G	ug/kg
GC892111308-14	CAN97-3C-05	33	35	>	N	0.95	0.95	0.37	@	ug/kg
GC892111308-14	CAN97-3C-99	38	40	>	FD	4.7	4.7	0.37	G	ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	>	N	9.9	9.9	0.37	G	ug/kg
GC892111608-14	CAN97-3C-09	53	55	>	N	12	12	0.37	G	ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/kg
SW8270 - Butylbenzylphthalate										
MSD292110908160	CAN97-12-S	0	2	<	N	0.047	0.047	0.34	J	ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.022	0.022	0.33	J	ug/g
SW8240 - Carbon disulfide										
450392101909530	CAN97-09-01	0	2	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-09-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-04	14	16	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-05	19	21	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-06	24	26	ND	N	5.4	2.7	5.4		ug/kg
450392101909530	CAN97-09-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-09-08	34	36	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-10	44	46	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-09-11	49	53	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-13	59	61	ND	N	5.1	2.55	5.1		ug/kg
450492101509400	CAN97-10-01	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-04	4	16	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492101509400	CAN97-10-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492101509400	CAN97-10-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-08	34	36	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-10	44	46	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-11	49	51	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101509400	CAN97-10-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492100709590	CAN97-11-01	0	2	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-02	4	6	ND	N	5.9	2.95	5.9		ug/kg
450492100808580	CAN97-11-03	9	11	ND	N	5.7	2.85	5.7		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492100709590	CAN97-11-04	14	16	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-05	19	21	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100709590	CAN97-11-08	34	36	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-10	46	48	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-11	51	53	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-12-S	0	2	ND	N	5	2.5	5		ug/kg
450492102009440	CAN97-12-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102009440	CAN97-12-06	5	7	ND	N	5.3	2.65	5.3		ug/kg
450492101913540	CAN97-13-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102009440	CAN97-13-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492102009440	CAN97-13-06	5	7	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-01	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-02	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-03	9	11	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-04	14	16	ND	N	5.5	2.75	5.5		ug/kg
450492100808580	CAN97-14-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-06	24	26	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-08	34	36	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-10	44	46	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-11	49	51	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-15-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102210000	CAN97-15-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-15-06	6	8	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-16-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102009440	CAN97-16-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102009440	CAN97-16-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-17-S	0	2	<	N	1.8	1.8	5	J	ug/kg
450492102210000	CAN97-17-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-17-06	6	8	ND	N	5.5	2.75	5.5		ug/kg
450492101913540	CAN97-18-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-18-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-18-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-19-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-19-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102210000	CAN97-19-06	5	7	<	N	3	3	5.2	J	ug/kg
450492101913540	CAN97-20-S	0	2	<	N	4.5	4.5	5.1	J	ug/kg
450492102210000	CAN97-20-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-20-06	7	9	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-21-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-21-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102210000	CAN97-21-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101609490	CAN97-2A-S	0	2	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2A-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101609490	CAN97-2A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-S	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492101609490	CAN97-2B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-06	8	10	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-3A-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101909530	CAN97-3A-I	4	6	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-3A-06	8	10	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-3B-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101508460	CAN97-3B-I	4	6	ND	N	5.8	2.9	5.8		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450392101508460	CAN97-3B-06	8	10	ND	N	5.7	2.85	5.7		ug/kg
450392101608360	CAN97-3C-01	12	14	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-02	18	20	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-03	23	25	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-04	28	30	ND	N	5.5	2.75	5.5		ug/kg
450392102007500	CAN97-3C-05	33	35	ND	N	5.6	2.8	5.6		ug/kg
450392102007500	CAN97-3C-06	38	40	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-07	43	45	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-08	48	50	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-09	53	55	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-10	58	60	ND	N	5.4	2.7	5.4		ug/kg
450392101608360	CAN97-3C-11	63	65	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-3C-12	68	70	ND	N	5.3	2.65	5.3		ug/kg
450392101608360	CAN97-3C-13	71	73	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-S	0	2	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-4A-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-S	0	2	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-4B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-S	0	2	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-06	8	10	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-8B-01	4	6	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-8B-02	9	11	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-03	14	16	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-04	19	21	ND	N	5.5	2.75	5.5		ug/kg
450392101608360	CAN97-8B-05	24	26	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-06	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-07	34	36	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-8B-08	39	41	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-09	44	46	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-8B-10	49	51	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8B-11	54	56	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-8B-12	59	61	ND	N	5.1	2.55	5.1		ug/kg
450392101508460	CAN97-8B-13	64	66	ND	N	5.3	2.65	5.3		ug/kg
SW8080 - Chlordane										
GC192111712-15	CAN97-09-01	0	2	>	N	12	12	1.8		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	1.7	0.85	1.7		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	18	9	18		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	1.9	0.95	1.9		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	1.8	0.9	1.8		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792111212-15	CAN97-10-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	1.7	0.85	1.7		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	19	9.5	19		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	2	1	2		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	1.9	0.95	1.9		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	18	9	18		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	1.7	0.85	1.7		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	1.7	0.85	1.7		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	85	42.5	85		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	1.7	0.85	1.7		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-17-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-19-I	4	6	>	N	10	10	1.7		ug/kg
GC192112412-17	CAN97-19-06	5	7	>	N	17	17	1.7		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	1.7	0.85	1.7		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	18	9	18		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	44	22	44		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC192110413-13	CAN97-2B-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	19	9.5	19		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	1.9	0.95	1.9		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	1.9	0.95	1.9		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	1.9	0.95	1.9		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	9.2	4.6	9.2		ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	1.7	0.85	1.7		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-4A-S	0	2	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	17	8.5	17		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	18	9	18		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	1.9	0.95	1.9		ug/kg
GC192111712-15	CAN97-8B-01	4	6	>	N	9.4	9.4	1.8		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	1.7	0.85	1.7		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	1.8	0.9	1.8		ug/kg
SW8240 - Chlorobenzene										
450492101509400	CAN97-10-10	44	46	<	N	2	2	5.4	J	ug/kg
SW8270 - Chrysene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	<	N	0.015	0.015	0.36	J	ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.094	0.094	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	>	N	0.78	0.78	0.34	@	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	<	N	0.012	0.012	0.34	J	ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.12	0.12	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.15	0.0905	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.12	0.12	0.35	J	ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292111209000	CAN97-19-06	5	7	<	N	0.041	0.041	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.082	0.082	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.049	0.049	0.36	J	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.024	0.024	0.35	J	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8080 - delta-BHC										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	>	N	0.82	0.82	0.35	@	b
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-99	4	6	>	FD	0.35	0.35	0.35	G@	ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	>	N	0.4	0.4	0.37	G@	ug/kg
GC192112412-17	CAN97-18-06	5	7	>	N	0.86	0.86	0.36	G@	ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-99	0	2	>	FD	0.97	0.755	0.35	@	ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	>	N	1	1	0.37	@	ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/kg
SW8270 - Dibenz(a,h)anthracene										
MSD292110908160	CAN97-15-S	0	2	<	N	0.089	0.089	0.34	J	ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292110908160	CAN97-19-99	0	2	<	FD	0.015	0.015	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.019	0.019	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.019	0.019	0.34	J	ug/g
SW8270 - Dibenzofuran										
MSD292110908160	CAN97-13-S	0	2	<	N	0.012	0.012	0.34	J	ug/g
MSD292110908160	CAN97-15-S	0	2	<	N	0.078	0.078	0.34	J	ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.013	0.013	0.33	J	ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.0099	0.0099	0.36	J	ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.023	0.023	0.35	J	ug/g
SW8270 - Dibutylphthalate										
MSD292110908160	CAN97-13-S	0	2	<	N	0.016	0.016	0.34	J	ug/g
MSD292110908160	CAN97-15-S	0	2	<	N	0.0094	0.0094	0.34	J	ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.0097	0.0097	0.33	J	ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.0081	0.0081	0.34	J	ug/g
MSD192102808370	CAN97-8A-S	0	2	<	N	0.031	0.031	0.36	J	ug/g
SW8150 - Dichloroprop										
GC592110512-7	CAN97-09-03	9	11	ND	N	23	11.5	23		ug/kg
GC592110512-7	CAN97-10-08	34	36	ND	N	23	11.5	23		ug/kg
GC592111712-7	CAN97-12-06	5	7	ND	N	23	11.5	23		ug/kg
GC592111712-7	CAN97-13-I	4	6	ND	N	24	12	24		ug/kg
GC592111212-7	CAN97-18-S	0	2	>	N	190	190	22	G	ug/kg
GC592111712-7	CAN97-20-I	4	6	ND	N	24	12	24		ug/kg
GC592111212-7	CAN97-21-S	0	2	ND	N	22	11	22		ug/kg
GC592110512-7	CAN97-2A-I	4	6	ND	N	23	11.5	23		ug/kg
GC592110512-7	CAN97-3A-S	0	2	ND	N	25	12.5	25		ug/kg
GC592110512-7	CAN97-3B-S	0	2	ND	N	25	12.5	25		ug/kg
GC592111212-7	CAN97-3C-04	28	30	>	N	180	180	24	G	ug/kg
GC592111212-7	CAN97-3C-06	38	40	>	N	670	670	24	G	ug/kg
GC592110512-7	CAN97-4A-I	4	6	ND	N	24	12	24		ug/kg
GC592110512-7	CAN97-8A-I	4	6	ND	N	23	11.5	23		ug/kg
GC592111212-7	CAN97-8B-07	34	36	>	N	250	250	23	G	ug/kg
SW8080 - Dieldrin										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	<	N	1.2	1.2	3.3	J	ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	>	N	0.43	0.43	0.35	@	ug/kg
GC192112412-17	CAN97-19-06	5	7	>	N	0.37	0.37	0.35	G@	ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	>	N	9.2	9.2	1.8	G	ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-S	0	2	<	N	0.15	0.15	0.35	J	ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	<	N	0.15	0.15	0.37	J	ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/kg
SW8015 - Diesel (2)										
TP-M111613-001	CAN97-15-S	0	2	>	N	120000	120000	51000	G@	ug/kg
TP-M111712-001	CAN97-19-06	5	7	>	N	100000	100000	52000	G@	ug/kg
TP-M110211-001	CAN97-2B-S	0	2	<	N	49000	49000	53000	J	ug/kg
SW8080 - Endosulfan I										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-99	0	2	<	FD	0.2	0.2	0.35	J	ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/kg

SW8080 - Endosulfan II

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792110912-15	CAN97-3B-I	4	6	<	N	0.11	0.11	1.2	J	ug/kg
GC892111608-14	CAN97-3C-01	12	14	<	N	1.7	1.7	5.5	J	ug/kg
GC892111608-14	CAN97-3C-09	53	55	<	N	0.05	0.05	1.1	J	ug/kg
SW8080 - Endosulfan Sulfate										
GC192111712-15	CAN97-09-01	0	2	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	1.7	0.85	1.7		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	18	9	18		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	1.9	0.95	1.9		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	19	9.5	19		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	2	1	2		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	1.9	0.95	1.9		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	18	9	18		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	1.7	0.85	1.7		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	1.7	0.85	1.7		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102912-15	CAN97-14-12	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	85	42.5	85		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	1.7	0.85	1.7		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-17-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-18-S	0	2	<	N	1.6	1.6	17	J	ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	1.7	0.85	1.7		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	1.7	0.85	1.7		ug/kg
GC792111912-15	CAN97-20-S	0	2	>	N	38	38	17	G@	ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	1.7	0.85	1.7		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	18	9	18		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	44	22	44		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	19	9.5	19		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	1.9	0.95	1.9		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	1.9	0.95	1.9		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	9.2	4.6	9.2		ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	1.7	0.85	1.7		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-4A-S	0	2	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	17	8.5	17		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	18	9	18		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	1.9	0.95	1.9		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	1.8	0.9	1.8		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792110912-15	CAN97-8B-06	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	1.7	0.85	1.7		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	1.8	0.9	1.8		ug/kg
SW8080 - Endrin										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-99	19	21	<	FD	0.17	0.17	0.38	J	ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	<	N	0.13	0.13	0.35	J	ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	<	N	0.11	0.11	0.34	J	ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	>	N	0.53	0.53	0.38	@	ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	>	N	0.54	0.54	0.35	@	ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	<	N	2.5	2.5	3.3	J	ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	>	N	1.9	1.9	1.8	G@	ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	>	N	0.52	0.52	0.37	@	ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
SW8080 - Endrin Aldehyde										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.71	0.355	0.71		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.74	0.37	0.74		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.72	0.36	0.72		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.72	0.36	0.72		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.71	0.355	0.71		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.71	0.355	0.71		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.72	0.36	0.72		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.71	0.355	0.71		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.71	0.355	0.71		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.72	0.36	0.72		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.7	0.35	0.7		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.69	0.345	0.69		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.68	0.34	0.68		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	7.1	3.55	7.1		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.73	0.365	0.73		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.73	0.365	0.73		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.72	0.36	0.72		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.75	0.375	0.75		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.74	0.37	0.74		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.7	0.35	0.7		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.71	0.355	0.71		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.7	0.35	0.7		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.72	0.36	0.72		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.7	0.35	0.7		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.7	0.35	0.7		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.69	0.345	0.69		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	7.4	3.7	7.4		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.78	0.39	0.78		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.76	0.38	0.76		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.78	0.39	0.78		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.77	0.385	0.77		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.75	0.375	0.75		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.72	0.36	0.72		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.74	0.37	0.74		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.71	0.355	0.71		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.76	0.38	0.76		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.71	0.355	0.71		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.7	0.35	0.7		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.7	0.35	0.7		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	6.7	3.35	6.7		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.7	0.35	0.7		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.7	0.35	0.7		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	6.8	3.4	6.8		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.72	0.36	0.72		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.76	0.38	0.76		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	7.1	3.55	7.1		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.72	0.36	0.72		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	0.71	0.355	0.71		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.74	0.37	0.74		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.76	0.38	0.76		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.7	0.35	0.7		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102912-15	CAN97-14-07	29	31	ND	N	0.72	0.36	0.72		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.69	0.345	0.69		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.7	0.35	0.7		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.71	0.355	0.71		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.7	0.35	0.7		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.7	0.35	0.7		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.7	0.35	0.7		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	34	17	34		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.73	0.365	0.73		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.72	0.36	0.72		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	6.8	3.4	6.8		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.69	0.345	0.69		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.72	0.36	0.72		ug/kg
GC792111912-15	CAN97-17-S	0	2	<	N	4.4	4.4	6.7	J	ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.74	0.37	0.74		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.73	0.365	0.73		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	6.7	3.35	6.7		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.74	0.37	0.74		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.72	0.36	0.72		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	6.7	3.35	6.7		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.7	0.35	0.7		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.7	0.35	0.7		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	6.8	3.4	6.8		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.73	0.365	0.73		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.71	0.355	0.71		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	6.7	3.35	6.7		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.7	0.35	0.7		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.7	0.35	0.7		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	7.2	3.6	7.2		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.73	0.365	0.73		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.72	0.36	0.72		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	18	9	18		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.72	0.36	0.72		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.73	0.365	0.73		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	7.7	3.85	7.7		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.75	0.375	0.75		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.74	0.37	0.74		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.77	0.385	0.77		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.78	0.39	0.78		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.75	0.375	0.75		ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	3.7	1.85	3.7		ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.75	0.375	0.75		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.73	0.365	0.73		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.74	0.37	0.74		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.75	0.375	0.75		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.75	0.375	0.75		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.74	0.37	0.74		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.74	0.37	0.74		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.75	0.375	0.75		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.72	0.36	0.72		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.7	0.35	0.7		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.7	0.35	0.7		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.7	0.35	0.7		ug/kg
GC792111212-15	CAN97-4A-S	0	2	ND	N	0.71	0.355	0.71		ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.72	0.36	0.72		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.72	0.36	0.72		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	7	3.5	7		ug/kg
GC792110912-15	CAN97-4B-I	4	6	<	N	0.07	0.07	0.72	J	ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.71	0.355	0.71		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	7.2	3.6	7.2		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.73	0.365	0.73		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.74	0.37	0.74		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.73	0.365	0.73		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.73	0.365	0.73		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.73	0.365	0.73		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.73	0.365	0.73		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.74	0.37	0.74		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.71	0.355	0.71		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.7	0.35	0.7		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.71	0.355	0.71		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.7	0.35	0.7		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.72	0.36	0.72		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.71	0.355	0.71		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.68	0.34	0.68		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.7	0.35	0.7		ug/kg
SW8080 - Endrin Ketone										
GC192111712-15	CAN97-09-01	0	2	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	1.8	0.9	1.8		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	1.7	0.85	1.7		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	18	9	18		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	1.9	0.95	1.9		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	1.7	0.85	1.7		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792102712-15	CAN97-11-01	0	2	<	N	3.2	3.2	19	J	ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	2	1	2		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	1.9	0.95	1.9		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	1.8	0.9	1.8		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC492112412-14	CAN97-13-06	5	7	ND	N	1.9	0.95	1.9		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	18	9	18		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	1.9	0.95	1.9		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	1.7	0.85	1.7		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	1.7	0.85	1.7		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	85	42.5	85		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	1.7	0.85	1.7		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-17-S	0	2	<	N	11	11	17	J	ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	1.7	0.85	1.7		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	1.7	0.85	1.7		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	17	8.5	17		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	1.8	0.9	1.8		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	1.7	0.85	1.7		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	18	9	18		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	44	22	44		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	19	9.5	19		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	1.9	0.95	1.9		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-3B-S	0	2	<	N	0.068	0.068	1.9	J	ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	1.9	0.95	1.9		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-01	12	14	ND	N	9.2	4.6	9.2		ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	1.8	0.9	1.8		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	1.9	0.95	1.9		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	1.7	0.85	1.7		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-4A-S	0	2	<	N	0.0084	0.0084	1.8	J	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792111212-15	CAN97-4A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	17	8.5	17		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	18	9	18		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	1.9	0.95	1.9		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	1.8	0.9	1.8		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	1.7	0.85	1.7		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	1.8	0.9	1.8		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	1.8	0.9	1.8		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	1.7	0.85	1.7		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	1.8	0.9	1.8		ug/kg
SW8240 - Ethyl benzene										
450392101909530	CAN97-09-01	0	2	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-09-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-04	14	16	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-05	19	21	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-06	24	26	ND	N	5.4	2.7	5.4		ug/kg
450392101909530	CAN97-09-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-09-08	34	36	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-10	44	46	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-09-11	49	53	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-13	59	61	ND	N	5.1	2.55	5.1		ug/kg
450492101509400	CAN97-10-01	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-04	4	16	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492101509400	CAN97-10-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492101509400	CAN97-10-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-08	34	36	<	N	0.53	0.53	5.3	J	ug/kg
450492101509400	CAN97-10-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-10	44	46	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-11	49	51	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101509400	CAN97-10-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492100709590	CAN97-11-01	0	2	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-02	4	6	ND	N	5.9	2.95	5.9		ug/kg
450492100808580	CAN97-11-03	9	11	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-04	14	16	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-05	19	21	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100709590	CAN97-11-08	34	36	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-10	46	48	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-11	51	53	ND	N	5.3	2.65	5.3		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492100709590	CAN97-11-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-12-S	0	2	ND	N	5	2.5	5		ug/kg
450492102009440	CAN97-12-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102009440	CAN97-12-06	5	7	ND	N	5.3	2.65	5.3		ug/kg
450492101913540	CAN97-13-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102009440	CAN97-13-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492102009440	CAN97-13-06	5	7	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-01	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-02	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-03	9	11	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-04	14	16	ND	N	5.5	2.75	5.5		ug/kg
450492100808580	CAN97-14-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-06	24	26	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-08	34	36	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-10	44	46	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-11	49	51	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-15-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102210000	CAN97-15-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-15-06	6	8	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-16-S	0	2	<	N	1.2	1.2	5.1	J	ug/kg
450492102009440	CAN97-16-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102009440	CAN97-16-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-17-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-17-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-17-06	6	8	ND	N	5.5	2.75	5.5		ug/kg
450492101913540	CAN97-18-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-18-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-18-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-19-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-19-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102210000	CAN97-19-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-20-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102210000	CAN97-20-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-20-06	7	9	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-21-S	0	2	<	N	4.9	4.9	5	J	ug/kg
450492102210000	CAN97-21-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102210000	CAN97-21-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101609490	CAN97-2A-S	0	2	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2A-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101609490	CAN97-2A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-S	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492101609490	CAN97-2B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-06	8	10	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-3A-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101909530	CAN97-3A-I	4	6	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-3A-06	8	10	<	N	0.43	0.43	5.5	J	ug/kg
450392101508460	CAN97-3B-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101508460	CAN97-3B-I	4	6	ND	N	5.8	2.9	5.8		ug/kg
450392101508460	CAN97-3B-06	8	10	ND	N	5.7	2.85	5.7		ug/kg
450392101608360	CAN97-3C-01	12	14	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-02	18	20	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-03	23	25	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-04	28	30	ND	N	5.5	2.75	5.5		ug/kg
450392102007500	CAN97-3C-05	33	35	ND	N	5.6	2.8	5.6		ug/kg
450392102007500	CAN97-3C-06	38	40	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-07	43	45	ND	N	5.5	2.75	5.5		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450392101909530	CAN97-3C-08	48	50	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-09	53	55	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-10	58	60	ND	N	5.4	2.7	5.4		ug/kg
450392101608360	CAN97-3C-11	63	65	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-3C-12	68	70	ND	N	5.3	2.65	5.3		ug/kg
450392101608360	CAN97-3C-13	71	73	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-S	0	2	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-4A-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-S	0	2	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-4B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-S	0	2	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-06	8	10	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-8B-01	4	6	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-8B-02	9	11	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-03	14	16	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-04	19	21	ND	N	5.5	2.75	5.5		ug/kg
450392101608360	CAN97-8B-05	24	26	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-06	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-07	34	36	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-8B-08	39	41	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-09	44	46	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-8B-10	49	51	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8B-11	54	56	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-8B-12	59	61	ND	N	5.1	2.55	5.1		ug/kg
450392101508460	CAN97-8B-13	64	66	ND	N	5.3	2.65	5.3		ug/kg
SW8270 - Fluoranthene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	<	N	0.01	0.01	0.36	J	ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.079	0.079	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	<	N	0.018	0.018	0.35	J	ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-99	0	2	<	FD	0.0084	0.00895	0.34	J	ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	>	N	1.1	1.1	0.34	@	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	<	N	0.012	0.012	0.34	J	ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.033	0.033	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.33	0.191	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.24	0.24	0.35	J	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.074	0.074	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.12	0.12	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.081	0.081	0.36	J	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.029	0.029	0.35	J	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8270 - Fluorene										
MSD292110908160	CAN97-15-S	0	2	<	N	0.083	0.083	0.34	J	ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.0074	0.0074	0.33	J	ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.0067	0.0067	0.34	J	ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.0067	0.0067	0.36	J	ug/g
SW8080 - gamma-BHC										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC792111912-15	CAN97-13-99	0	2	<	FD	1.6	1.6	3.4	J	ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	>	N	0.56	0.56	0.37	G@	ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-17-I	4	6	<	N	0.27	0.27	0.37	J	ug/kg
GC192112412-17	CAN97-17-99	6	8	<	FD	0.31	0.31	0.37	J	ug/kg
GC792111912-15	CAN97-18-S	0	2	<	N	1.6	1.6	3.4	J	ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-18-06	5	7	>	N	0.37	0.37	0.36	G@	ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	<	N	0.31	0.31	0.35	J	ug/kg
GC192112412-17	CAN97-19-06	5	7	<	N	0.34	0.34	0.35	J	ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	>	N	7.5	7.5	1.8	G@	ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-S	0	2	>	N	3.5	3.5	0.35	G	ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792110912-15	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/kg
SW8015 - Gasoline (2)										
TP-N101616-002	CAN97-09-03	9	11	ND	N	5200	2600	5200		ug/kg
TP-L102319-002	CAN97-09-07	29	31	ND	N	5200	2600	5200		ug/kg
TP-N101616-002	CAN97-09-09	39	41	ND	N	5200	2600	5200		ug/kg
TP-N101616-002	CAN97-10-03	9	11	ND	N	5300	2650	5300		ug/kg
TP-N101616-002	CAN97-10-06	24	26	ND	N	5400	2700	5400		ug/kg
TP-N101616-002	CAN97-10-08	34	36	ND	N	5200	2600	5200		ug/kg
TP-L101316-002	CAN97-11-02	4	6	ND	N	5700	2850	5700		ug/kg
TP-L101316-002	CAN97-11-04	14	16	ND	N	5800	2900	5800		ug/kg
TP-L101501-002	CAN97-11-09	39	41	ND	N	5200	2600	5200		ug/kg
TP-L102319-002	CAN97-12-06	5	7	ND	N	5300	2650	5300		ug/kg
TP-L102714-002	CAN97-13-I	4	6	ND	N	5400	2700	5400		ug/kg
TP-L101316-002	CAN97-14-02	4	6	ND	N	5300	2650	5300		ug/kg
TP-L101316-002	CAN97-14-06	24	26	ND	N	5400	2700	5400		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
TP-L101316-002	CAN97-14-08	34	36	ND	N	5200	2600	5200		ug/kg
TP-L102220-002	CAN97-15-S	0	2	ND	N	5000	2500	5000		ug/kg
TP-L102319-002	CAN97-16-06	5	7	ND	N	5400	2700	5400		ug/kg
TP-L102714-002	CAN97-17-I	4	6	ND	N	5200	2600	5200		ug/kg
TP-L102220-002	CAN97-18-S	0	2	<	N	3000	3000	5000	J	ug/kg
TP-L102714-002	CAN97-19-06	5	7	ND	N	5200	2600	5200		ug/kg
TP-L102319-002	CAN97-20-I	4	6	ND	N	5400	2700	5400		ug/kg
TP-L102220-002	CAN97-21-S	0	2	>	N	5400	5400	4900	G@	ug/kg
TP-N102011-002	CAN97-2A-I	4	6	ND	N	5400	2700	5400		ug/kg
TP-N102011-002	CAN97-2B-S	0	2	ND	N	5400	2700	5400		ug/kg
TP-N101616-002	CAN97-3A-S	0	2	ND	N	5600	2800	5600		ug/kg
TP-N101616-002	CAN97-3B-S	0	2	ND	N	5600	2800	5600		ug/kg
TP-L102319-002	CAN97-3C-01	12	14	ND	N	5300	2650	5300		ug/kg
TP-L102319-002	CAN97-3C-04	28	30	ND	N	5500	2750	5500		ug/kg
TP-L102319-002	CAN97-3C-06	38	40	ND	N	5700	2850	5700		ug/kg
TP-L102319-002	CAN97-4A-I	4	6	ND	N	5100	2550	5100		ug/kg
TP-N101616-002	CAN97-4B-I	4	6	ND	N	5400	2700	5400		ug/kg
TP-N101616-002	CAN97-8A-I	4	6	ND	N	5400	2700	5400		ug/kg
TP-N101616-002	CAN97-8B-03	14	16	ND	N	5300	2650	5300		ug/kg
TP-N101616-002	CAN97-8B-07	34	36	ND	N	5100	2550	5100		ug/kg
TP-N101616-002	CAN97-8B-11	54	56	ND	N	5200	2600	5200		ug/kg
SW8080 - Heptachlor										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-02	4	6	<	N	0.11	0.11	0.37	J	ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-99	19	21	<	FD	0.1	0.1	0.38	J	ug/kg
GC792111212-15	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	<	N	0.082	0.082	0.35	J	ug/kg
GC792111212-15	CAN97-10-12	54	56	<	N	0.12	0.12	0.35	J	ug/kg
GC792111212-15	CAN97-10-13	59	61	<	N	0.0066	0.0066	0.34	J	ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	<	N	0.25	0.25	0.38	J	ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	<	N	0.3	0.3	0.38	J	ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	<	N	0.26	0.26	0.36	J	ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	<	N	0.31	0.31	0.38	J	ug/kg
GC792102712-15	CAN97-11-11	51	53	<	N	0.31	0.31	0.36	J	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	>	N	0.45	0.45	0.35	@	ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	<	N	0.12	0.12	17	J	ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC492112412-14	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-17-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC492112412-14	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	>	N	5.9	5.9	3.3	G@	ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC892111608-14	CAN97-3C-01	12	14	>	N	5.8	5.8	1.8	G@	ug/kg
GC892111608-14	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC892111608-14	CAN97-3C-09	53	55	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-4A-I	4	6	<	N	0.041	0.041	0.36	J	ug/kg
GC792111212-15	CAN97-4A-06	8	10	<	N	0.11	0.11	0.36	J	ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/kg
SW8080 - Heptachlor epoxide										
GC192111712-15	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-09-99	24	26	<	FD	0.24	0.24	0.35	J	ug/kg
GC192111013-14	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC192111712-15	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC192111013-14	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/kg
GC192111013-14	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/kg
GC192111013-14	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/kg
GC792111212-15	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/kg
GC792111212-15	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792111212-15	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792111212-15	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34	G@	ug/kg
GC792102712-15	CAN97-11-01	0	2	ND	N	3.7	1.85	3.7		ug/kg
GC792102712-15	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/kg
GC792102712-15	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/kg
GC792102712-15	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/kg
GC792102712-15	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/kg
GC792102712-15	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102712-15	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-12-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-13-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792102912-15	CAN97-14-01	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC792102912-15	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792102912-15	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/kg
GC792102912-15	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-10	44	46	ND	N	0.36	0.18	0.36		ug/kg
GC792102912-15	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC792102912-15	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-15-S	0	2	ND	N	17	8.5	17		ug/kg
GC192112412-17	CAN97-15-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-16-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-17-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192112412-17	CAN97-17-06	6	8	ND	N	0.37	0.185	0.37		ug/kg
GC792111912-15	CAN97-18-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC192112412-17	CAN97-18-I	4	6	>	N	0.79	0.79	0.37	G@	ug/kg
GC192112412-17	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-19-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-19-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-19-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC792111912-15	CAN97-20-S	0	2	ND	N	3.4	1.7	3.4		ug/kg
GC492112412-14	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111912-15	CAN97-21-S	0	2	ND	N	3.3	1.65	3.3		ug/kg
GC192112412-17	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/kg
GC192112412-17	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/kg
GC192110413-13	CAN97-2A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192110413-13	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-2B-S	0	2	ND	N	8.8	4.4	8.8		ug/kg
GC192110413-13	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192110413-13	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-3A-S	0	2	ND	N	3.9	1.95	3.9		ug/kg
GC192111013-14	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC192111013-14	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-3B-S	0	2	>	N	0.45	0.45	0.38	G@	ug/kg
GC792110912-15	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/kg
GC792110912-15	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/kg
GC892111608-14	CAN97-3C-01	12	14	>	N	2.5	2.5	1.8	G@	ug/kg
GC892111608-14	CAN97-3C-02	18	20	<	N	0.21	0.21	0.37	J	ug/kg
GC892111608-14	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/kg
GC892111308-14	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/kg
GC892111608-14	CAN97-3C-07	43	45	<	N	0.27	0.27	0.37	J	ug/kg
GC892111608-14	CAN97-3C-08	48	50	<	N	0.21	0.21	0.37	J	ug/kg
GC892111608-14	CAN97-3C-09	53	55	<	N	0.26	0.26	0.37	J	ug/kg
GC892111608-14	CAN97-3C-10	58	60	<	N	0.17	0.17	0.36	J	ug/kg
GC892111308-14	CAN97-3C-11	63	65	<	N	0.18	0.18	0.35	J	ug/kg
GC892111308-14	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/kg
GC892111308-14	CAN97-3C-13	71	73	<	N	0.19	0.19	0.35	J	ug/kg
GC792111212-15	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC792111212-15	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-4B-S	0	2	ND	N	3.5	1.75	3.5		ug/kg
GC792110912-15	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC792110912-15	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8A-S	0	2	ND	N	3.6	1.8	3.6		ug/kg
GC192110413-13	CAN97-8A-I	4	6	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8A-06	8	10	>	N	9.6	9.6	0.37	G	ug/kg
GC192111712-15	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/kg
GC192111712-15	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/kg
GC792110912-15	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/kg
GC892111308-14	CAN97-8B-07	34	36	<	N	0.17	0.17	0.35	J	ug/kg
GC792110912-15	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/kg
GC792110912-15	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/kg
GC792110912-15	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/kg
GC892111608-14	CAN97-8B-99	59	61	<	FD	0.18	0.175	0.34	J	ug/kg
GC792110912-15	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/kg
E418.1 - Hydrocarbons										
PEIR-102708-001	CAN97-09-01	0	2	ND	N	27	13.5	27		mg/kg
PEIR-102908-001	CAN97-10-01	0	2	>	N	48	48	27	@	mg/kg
PEIR-102908-001	CAN97-10-02	4	6	ND	N	27	13.5	27		mg/kg
PEIR-102908-001	CAN97-10-04	4	16	ND	N	28	14	28		mg/kg
PEIR-102908-001	CAN97-10-03	9	11	ND	N	27	13.5	27		mg/kg
PEIR-102908-001	CAN97-10-05	19	21	ND	N	28	14	28		mg/kg
PEIR-102908-001	CAN97-10-06	24	26	ND	N	28	14	28		mg/kg
PEIR-102908-001	CAN97-10-07	29	31	ND	N	27	13.5	27		mg/kg
PEIR-102908-001	CAN97-10-08	34	36	ND	N	27	13.5	27		mg/kg
PEIR-102908-001	CAN97-10-09	39	41	ND	N	26	13	26		mg/kg
PEIR-102908-001	CAN97-10-10	44	46	ND	N	27	13.5	27		mg/kg
PEIR-102908-001	CAN97-10-11	49	51	ND	N	26	13	26		mg/kg
PEIR-102908-001	CAN97-10-12	54	56	ND	N	26	13	26		mg/kg
PEIR-102908-001	CAN97-10-13	59	61	ND	N	26	13	26		mg/kg
PEIR-100908-002	CAN97-11-01	0	2	>	N	160	160	28		mg/kg
PEIR-100908-002	CAN97-11-02	4	6	ND	N	29	14.5	29		mg/kg
PEIR-100908-002	CAN97-11-03	9	11	ND	N	28	14	28		mg/kg
PEIR-100908-002	CAN97-11-04	14	16	>	N	30	30	29	@	mg/kg
PEIR-100908-002	CAN97-11-05	19	21	ND	N	29	14.5	29		mg/kg
PEIR-100908-002	CAN97-11-06	24	26	ND	N	28	14	28		mg/kg
PEIR-100908-002	CAN97-11-07	29	31	>	N	28	28	27	@	mg/kg
PEIR-100908-002	CAN97-11-08	34	36	ND	N	28	14	28		mg/kg
PEIR-100908-002	CAN97-11-09	39	41	ND	N	27	13.5	27		mg/kg
PEIR-100908-002	CAN97-11-10	46	48	ND	N	28	14	28		mg/kg
PEIR-100908-002	CAN97-11-11	51	53	ND	N	27	13.5	27		mg/kg
PEIR-100908-002	CAN97-11-12	54	56	ND	N	26	13	26		mg/kg
PEIR-100908-002	CAN97-11-13	59	61	ND	N	26	13	26		mg/kg
PEIR-110908-001	CAN97-12-S	0	2	>	N	67	67	25	@	mg/kg
PEIR-110908-001	CAN97-12-I	4	6	>	N	35	35	26	@	mg/kg
PEIR-110908-001	CAN97-12-06	5	7	ND	N	26	13	26		mg/kg
PEIR-110908-001	CAN97-13-99	0	2	>	FD	93	77.5	25	@	mg/kg
PEIR-110908-001	CAN97-13-06	5	7	ND	N	28	14	28		mg/kg
PEIR-102608-001	CAN97-14-01	0	2	>	N	52	52	27	@	mg/kg
PEIR-102608-001	CAN97-14-13	59	61	>	N	37	37	26	@	mg/kg
PEIR-110908-001	CAN97-15-S	0	2	>	N	1600	1600	25		mg/kg
PEIR-110908-001	CAN97-16-S	0	2	>	N	75	75	25	@	mg/kg
PEIR-110908-001	CAN97-16-99	4	6	>	FD	46	39	26	@	mg/kg
PEIR-110908-001	CAN97-17-S	0	2	>	N	9900	9900	120		mg/kg
PEIR-111008-001	CAN97-17-I	4	6	>	N	100	100	28	@	mg/kg
PEIR-111008-001	CAN97-17-99	6	8	>	FD	42	44.5	28	@	mg/kg
PEIR-110908-001	CAN97-18-S	0	2	>	N	110	110	25	@	mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
PEIR-110908-001	CAN97-19-99	0	2	>	FD	340	370	25		mg/kg
PEIR-111008-001	CAN97-19-I	4	6	>	N	180	180	26		mg/kg
PEIR-111008-001	CAN97-19-06	5	7	>	N	56	56	26	@	mg/kg
PEIR-110908-001	CAN97-20-S	0	2	>	N	610	610	25		mg/kg
PEIR-110908-001	CAN97-20-I	4	6	>	N	33	33	27	@	mg/kg
PEIR-110908-001	CAN97-21-S	0	2	ND	N	25	12.5	25		mg/kg
PEIR-110208-002	CAN97-2A-S	0	2	>	N	1300	1300	27		mg/kg
PEIR-110208-002	CAN97-2A-I	4	6	>	N	42	42	27	@	mg/kg
PEIR-110208-002	CAN97-2B-S	0	2	>	N	2500	2500	53		mg/kg
PEIR-110208-002	CAN97-2B-99	4	6	>	FD	32	30.5	26	@	mg/kg
PEIR-102708-001	CAN97-3A-S	0	2	>	N	330	330	29		mg/kg
PEIR-101408-003	CAN97-3B-S	0	2	>	N	34	34	29	@	mg/kg
PEIR-101408-003	CAN97-3B-I	4	6	>	N	110	110	29	@	mg/kg
PEIR-101408-003	CAN97-3B-06	8	10	>	N	31	31	28	@	mg/kg
PEIR-110508-004	CAN97-3C-01	12	14	>	N	69	69	28	@	mg/kg
PEIR-110508-004	CAN97-3C-02	18	20	ND	N	28	14	28		mg/kg
PEIR-110508-004	CAN97-3C-04	28	30	ND	N	28	14	28		mg/kg
PEIR-110508-004	CAN97-3C-05	33	35	>	N	49	49	28	@	mg/kg
PEIR-110508-004	CAN97-3C-11	63	65	ND	N	26	13	26		mg/kg
PEIR-110508-004	CAN97-3C-12	68	70	ND	N	26	13	26		mg/kg
PEIR-110508-004	CAN97-3C-13	71	73	ND	N	26	13	26		mg/kg
PEIR-102908-001	CAN97-4A-I	4	6	ND	N	27	13.5	27		mg/kg
PEIR-102908-001	CAN97-4A-06	8	10	ND	N	27	13.5	27		mg/kg
PEIR-101408-003	CAN97-4B-S	0	2	>	N	85	85	26	@	mg/kg
PEIR-101408-003	CAN97-4B-I	4	6	>	N	29	29	27	@	mg/kg
PEIR-101408-003	CAN97-4B-06	8	10	>	N	38	38	27	@	mg/kg
PEIR-101408-003	CAN97-8A-S	0	2	>	N	87	87	27	@	mg/kg
PEIR-110208-002	CAN97-8A-I	4	6	>	N	39	39	27	@	mg/kg
PEIR-101408-003	CAN97-8A-06	8	10	>	N	30	30	28	@	mg/kg
PEIR-101408-003	CAN97-8B-03	14	16	>	N	33	33	27	@	mg/kg
PEIR-101408-003	CAN97-8B-04	19	21	ND	N	27	13.5	27		mg/kg
PEIR-101408-003	CAN97-8B-05	24	26	>	N	51	51	28	@	mg/kg
PEIR-101408-003	CAN97-8B-06	29	31	>	N	35	35	27	@	mg/kg
PEIR-101408-003	CAN97-8B-08	39	41	>	N	31	31	26	@	mg/kg
PEIR-101408-003	CAN97-8B-09	44	46	>	N	40	40	26	@	mg/kg
PEIR-101408-003	CAN97-8B-10	49	51	>	N	38	38	27	@	mg/kg
PEIR-101408-003	CAN97-8B-11	54	56	>	N	29	29	26	@	mg/kg
PEIR-110508-004	CAN97-8B-12	59	61	ND	N	25	12.5	25		mg/kg
PEIR-101408-003	CAN97-8B-13	64	66	>	N	31	31	26	@	mg/kg
SW8270 - Indeno(1,2,3-cd)pyrene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.052	0.052	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	<	N	0.3	0.3	0.34	J	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.048	0.032	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.046	0.046	0.35	J	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.024	0.024	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.052	0.052	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.024	0.024	0.36	J	ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.0042	0.0042	0.35	J	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8150 - MCPP										
GC592110512-7	CAN97-09-03	9	11	<	N	520	520	6800	J	ug/kg
GC592110512-7	CAN97-09-07	29	31	ND	N	6900	3450	6900		ug/kg
GC592110512-7	CAN97-09-09	39	41	ND	N	6800	3400	6800		ug/kg
GC592110512-7	CAN97-10-03	9	11	ND	N	6900	3450	6900		ug/kg
GC592110512-7	CAN97-10-06	24	26	ND	N	7200	3600	7200		ug/kg
GC592110512-7	CAN97-10-08	34	36	ND	N	6800	3400	6800	@	ug/kg
GC592110512-7	CAN97-11-02	4	6	ND	N	7500	3750	7500	@	ug/kg
GC592110512-7	CAN97-11-04	14	16	ND	N	7400	3700	7400		ug/kg
GC592110512-7	CAN97-11-09	39	41	ND	N	6800	3400	6800		ug/kg
GC592111712-7	CAN97-12-06	5	7	ND	N	6800	3400	6800		ug/kg
GC592111712-7	CAN97-13-I	4	6	<	N	2000	2000	7000	J	ug/kg
GC592110512-7	CAN97-14-02	4	6	ND	N	6800	3400	6800		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC592110512-7	CAN97-14-06	24	26	ND	N	6700	3350	6700		ug/kg
GC592110512-7	CAN97-14-08	34	36	ND	N	6600	3300	6600		ug/kg
GC592111212-7	CAN97-15-S	0	2	ND	N	6500	3250	6500		ug/kg
GC592111712-7	CAN97-16-06	5	7	ND	N	7000	3500	7000		ug/kg
GC592111712-7	CAN97-17-I	4	6	ND	N	7100	3550	7100		ug/kg
GC592111212-7	CAN97-18-S	0	2	ND	N	6400	3200	6400		ug/kg
GC592111712-7	CAN97-19-06	5	7	ND	N	6700	3350	6700		ug/kg
GC592111712-7	CAN97-20-I	4	6	ND	N	7000	3500	7000		ug/kg
GC592111212-7	CAN97-21-S	0	2	ND	N	6400	3200	6400		ug/kg
GC592110512-7	CAN97-2A-I	4	6	ND	N	6900	3450	6900		ug/kg
GC592110512-7	CAN97-2B-S	0	2	ND	N	6800	3400	6800		ug/kg
GC592110512-7	CAN97-3A-S	0	2	ND	N	7400	3700	7400		ug/kg
GC592110512-7	CAN97-3A-I	4	6	ND	N	7200	3600	7200		ug/kg
GC592110512-7	CAN97-3A-06	8	10	ND	N	7100	3550	7100		ug/kg
GC592110512-7	CAN97-3B-S	0	2	ND	N	7400	3700	7400		ug/kg
GC592111212-7	CAN97-3C-01	12	14	>	N	9300	9300	7000	G@	ug/kg
GC592111212-7	CAN97-3C-04	28	30	ND	N	7100	3550	7100		ug/kg
GC592111212-7	CAN97-3C-06	38	40	ND	N	7200	3600	7200		ug/kg
GC592110512-7	CAN97-4A-I	4	6	ND	N	6900	3450	6900		ug/kg
GC592110512-7	CAN97-4B-I	4	6	ND	N	6900	3450	6900		ug/kg
GC592110512-7	CAN97-8A-I	4	6	ND	N	6900	3450	6900		ug/kg
GC592110512-7	CAN97-8B-03	14	16	ND	N	7100	3550	7100		ug/kg
GC592110512-7	CAN97-8B-04	19	21	ND	N	7000	3500	7000		ug/kg
GC592111212-7	CAN97-8B-07	34	36	ND	N	6800	3400	6800		ug/kg
GC592110512-7	CAN97-8B-11	54	56	ND	N	6800	3400	6800		ug/kg
SW8240 - Methylene chloride										
450392101909530	CAN97-09-01	0	2	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-02	4	6	<	N	3.8	3.8	5.5	J	ug/kg
450492101208290	CAN97-09-03	9	11	<	N	3.4	3.4	5.4	J	ug/kg
450492101208290	CAN97-09-04	14	16	<	N	3.9	3.9	5.4	J	ug/kg
450492101208290	CAN97-09-05	19	21	<	N	3.7	3.7	5.3	J	ug/kg
450492101208290	CAN97-09-06	24	26	ND	N	5.4	2.7	5.4		ug/kg
450392101909530	CAN97-09-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-09-08	34	36	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-09	39	41	>	N	7.9	7.9	5.3	@	ug/kg
450492101208290	CAN97-09-10	44	46	>	N	6.8	6.8	5.4	@	ug/kg
450492101509400	CAN97-09-11	49	53	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-13	59	61	<	N	3.5	3.5	5.1	J	ug/kg
450492101509400	CAN97-10-01	0	2	<	N	4.9	4.9	5.3	J	ug/kg
450492101509400	CAN97-10-02	4	6	<	N	4.9	4.9	5.5	J	ug/kg
450492101509400	CAN97-10-04	4	16	<	N	3.9	3.9	5.5	J	ug/kg
450492101509400	CAN97-10-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-99	19	21	<	FD	4	4	5.6	J	ug/kg
450492101509400	CAN97-10-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492101509400	CAN97-10-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-08	34	36	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-10	44	46	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-11	49	51	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101509400	CAN97-10-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492100709590	CAN97-11-01	0	2	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-02	4	6	ND	N	5.9	2.95	5.9		ug/kg
450492100808580	CAN97-11-03	9	11	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-04	14	16	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-05	19	21	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-07	29	31	ND	N	5.4	2.7	5.4		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492100709590	CAN97-11-08	34	36	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-10	46	48	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-11	51	53	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-12-S	0	2	>	N	32	32	5		ug/kg
450492102009440	CAN97-12-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102009440	CAN97-12-06	5	7	ND	N	5.3	2.65	5.3		ug/kg
450492101913540	CAN97-13-99	0	2	>	FD	7.1	9.05	5.1	@	ug/kg
450492102009440	CAN97-13-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492102009440	CAN97-13-06	5	7	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-01	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-02	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-03	9	11	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-04	14	16	ND	N	5.5	2.75	5.5		ug/kg
450492100808580	CAN97-14-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-06	24	26	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-08	34	36	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-10	44	46	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-11	49	51	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-15-S	0	2	>	N	6.3	6.3	5.1	@	ug/kg
450492102210000	CAN97-15-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-15-06	6	8	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-16-S	0	2	>	N	100	100	5.1		ug/kg
450492102009440	CAN97-16-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102009440	CAN97-16-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-17-S	0	2	>	N	86	86	5		ug/kg
450492102210000	CAN97-17-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-17-06	6	8	ND	N	5.5	2.75	5.5		ug/kg
450492101913540	CAN97-18-S	0	2	>	N	6.6	6.6	5	@	ug/kg
450492102210000	CAN97-18-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-18-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-19-99	0	2	>	FD	36	39.5	5		ug/kg
450492102210000	CAN97-19-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102210000	CAN97-19-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-20-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102210000	CAN97-20-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-20-06	7	9	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-21-S	0	2	>	N	74	74	5		ug/kg
450492102210000	CAN97-21-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102210000	CAN97-21-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101609490	CAN97-2A-S	0	2	>	N	8.8	8.8	5.4	@	ug/kg
450492101609490	CAN97-2A-I	4	6	<	N	5.3	5.3	5.5	J	ug/kg
450492101609490	CAN97-2A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-S	0	2	>	N	18	18	5.3	@	ug/kg
450492101609490	CAN97-2B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-06	8	10	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-3A-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101909530	CAN97-3A-I	4	6	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-3A-06	8	10	>	N	9.5	9.5	5.5	@	ug/kg
450392101508460	CAN97-3B-S	0	2	<	N	4.7	4.7	5.8	J	ug/kg
450392101508460	CAN97-3B-I	4	6	<	N	2.9	2.9	5.8	J	ug/kg
450392101508460	CAN97-3B-06	8	10	ND	N	5.7	2.85	5.7		ug/kg
450392101608360	CAN97-3C-01	12	14	>	N	35	35	5.5		ug/kg
450392101909530	CAN97-3C-02	18	20	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-03	23	25	ND	N	5.5	2.75	5.5		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450392101909530	CAN97-3C-04	28	30	ND	N	5.5	2.75	5.5		ug/kg
450392102007500	CAN97-3C-05	33	35	>	N	8.8	8.8	5.6	@	ug/kg
450392102007500	CAN97-3C-06	38	40	<	N	4.4	4.4	5.6	J	ug/kg
450392101909530	CAN97-3C-07	43	45	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-08	48	50	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-09	53	55	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-10	58	60	ND	N	5.4	2.7	5.4		ug/kg
450392101608360	CAN97-3C-11	63	65	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-3C-12	68	70	ND	N	5.3	2.65	5.3		ug/kg
450392101608360	CAN97-3C-13	71	73	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-99	0	2	<	FD	3.8	3.8	5.3	J	ug/kg
450392101909530	CAN97-4A-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-06	8	10	<	N	4.2	4.2	5.4	J	ug/kg
450392101508460	CAN97-4B-S	0	2	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-4B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-S	0	2	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-06	8	10	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-8B-01	4	6	<	N	3.2	3.2	5.5	J	ug/kg
450392101909530	CAN97-8B-02	9	11	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-03	14	16	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-04	19	21	ND	N	5.5	2.75	5.5		ug/kg
450392101608360	CAN97-8B-05	24	26	<	N	2.7	2.7	5.5	J	ug/kg
450392101508460	CAN97-8B-06	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-07	34	36	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-8B-08	39	41	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-09	44	46	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-8B-10	49	51	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8B-11	54	56	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-8B-12	59	61	ND	N	5.1	2.55	5.1		ug/kg
450392101508460	CAN97-8B-13	64	66	ND	N	5.3	2.65	5.3		ug/kg
SW8270 - Naphthalene										
MSD292102808540	CAN97-10-01	0	2	<	N	0.021	0.021	0.36	J	ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.013	0.013	0.37	J	ug/g
MSD292110908160	CAN97-13-99	0	2	<	FD	0.02	0.0295	0.34	J	ug/g
MSD292110908160	CAN97-15-S	0	2	<	N	0.042	0.042	0.34	J	ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.017	0.017	0.36	J	ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.11	0.11	0.35	J	ug/g
MSD192110210080	CAN97-3C-01	12	14	<	N	0.036	0.036	0.37	J	ug/g
SW8270 - Phenanthrene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	<	N	0.017	0.017	0.36	J	ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.032	0.032	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	<	N	0.016	0.016	0.35	J	ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-99	0	2	<	FD	0.0094	0.0122	0.34	J	ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	>	N	0.54	0.54	0.34	@	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.045	0.045	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.16	0.0995	0.34	J	ug/g
MSD292111108190	CAN97-19-I	4	6	<	N	0.087	0.087	0.35	J	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.036	0.036	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.053	0.053	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.086	0.086	0.36	J	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8270 - Pyrene										
MSD192101908540	CAN97-09-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-09-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-04	14	16	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-05	19	21	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-09-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-09-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-10	44	46	ND	N	0.36	0.18	0.36		ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD192101908540	CAN97-09-11	49	53	ND	N	0.35	0.175	0.35		ug/g
MSD192101908540	CAN97-09-12	54	56	ND	N	0.34	0.17	0.34		ug/g
MSD192101908540	CAN97-09-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292102808540	CAN97-10-01	0	2	<	N	0.0087	0.0087	0.36	J	ug/g
MSD292102808540	CAN97-10-02	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-04	4	16	ND	N	0.37	0.185	0.37		ug/g
MSD292102808540	CAN97-10-03	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD292102808540	CAN97-10-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292102713050	CAN97-10-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292102713050	CAN97-10-07	29	31	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-08	34	36	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-10-10	44	46	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-10-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292102808540	CAN97-10-13	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD292101308230	CAN97-11-01	0	2	<	N	0.079	0.079	0.37	J	ug/g
MSD292101308230	CAN97-11-02	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD292101208180	CAN97-11-03	9	11	ND	N	0.38	0.19	0.38		ug/g
MSD292101408170	CAN97-11-04	14	16	ND	N	0.39	0.195	0.39		ug/g
MSD292101408170	CAN97-11-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-06	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-08	34	36	ND	N	0.37	0.185	0.37		ug/g
MSD292101308230	CAN97-11-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-10	46	48	ND	N	0.38	0.19	0.38		ug/g
MSD292101308230	CAN97-11-11	51	53	ND	N	0.36	0.18	0.36		ug/g
MSD292101308230	CAN97-11-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD292101308230	CAN97-11-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-12-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292110908160	CAN97-12-I	4	6	<	N	0.014	0.014	0.35	J	ug/g
MSD292110908160	CAN97-12-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-13-99	0	2	<	FD	0.0079	0.0088	0.34	J	ug/g
MSD292110908160	CAN97-13-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111008220	CAN97-13-06	5	7	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-01	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-02	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-03	9	11	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-04	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192101208570	CAN97-14-05	19	21	ND	N	0.38	0.19	0.38		ug/g
MSD192101208570	CAN97-14-06	24	26	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-07	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192101208570	CAN97-14-08	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-09	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-10	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-11	49	51	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-12	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192101208570	CAN97-14-13	59	61	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-15-S	0	2	>	N	0.97	0.97	0.34	@	ug/g
MSD292111209000	CAN97-15-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292111209000	CAN97-15-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-16-S	0	2	<	N	0.011	0.011	0.34	J	ug/g
MSD292111008220	CAN97-16-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292110908160	CAN97-16-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.12	0.12	0.33	J	ug/g
MSD292111108190	CAN97-17-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111108190	CAN97-17-06	6	8	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-18-S	0	2	ND	N	0.34	0.17	0.34		ug/g
MSD292111209000	CAN97-18-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292111209000	CAN97-18-06	5	7	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.25	0.147	0.34	J	ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292111108190	CAN97-19-I	4	6	<	N	0.18	0.18	0.35	J	ug/g
MSD292111209000	CAN97-19-06	5	7	<	N	0.069	0.069	0.35	J	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.094	0.094	0.34	J	ug/g
MSD292110908160	CAN97-20-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-20-06	7	9	ND	N	0.36	0.18	0.36		ug/g
MSD292110908160	CAN97-21-S	0	2	ND	N	0.33	0.165	0.33		ug/g
MSD292111209000	CAN97-21-I	4	6	ND	N	0.35	0.175	0.35		ug/g
MSD292111108190	CAN97-21-06	5	7	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.069	0.069	0.36	J	ug/g
MSD292103008070	CAN97-2A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD292103008070	CAN97-2A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.034	0.034	0.35	J	ug/g
MSD292103008070	CAN97-2B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-2B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-3A-S	0	2	ND	N	12	6	12		ug/g
MSD192101908540	CAN97-3A-I	4	6	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-3A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192102713000	CAN97-3B-S	0	2	ND	N	0.38	0.19	0.38		ug/g
MSD192102808370	CAN97-3B-I	4	6	ND	N	0.39	0.195	0.39		ug/g
MSD192102808370	CAN97-3B-06	8	10	ND	N	0.38	0.19	0.38		ug/g
MSD192110210080	CAN97-3C-01	12	14	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-02	18	20	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-03	23	25	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-04	28	30	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-05	33	35	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-06	38	40	ND	N	0.37	0.185	0.37		ug/g
MSD192110210080	CAN97-3C-07	43	45	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-08	48	50	ND	N	0.37	0.185	0.37		ug/g
MSD292110308400	CAN97-3C-09	53	55	ND	N	0.38	0.19	0.38		ug/g
MSD292110308400	CAN97-3C-10	58	60	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-3C-11	63	65	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-12	68	70	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-3C-13	71	73	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292102713050	CAN97-4A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD292102713050	CAN97-4A-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102713000	CAN97-4B-S	0	2	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-4B-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-4B-06	8	10	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-S	0	2	ND	N	0.36	0.18	0.36		ug/g
MSD292103008070	CAN97-8A-I	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8A-06	8	10	ND	N	0.37	0.185	0.37		ug/g
MSD192101908540	CAN97-8B-01	4	6	ND	N	0.36	0.18	0.36		ug/g
MSD192101908540	CAN97-8B-02	9	11	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-03	14	16	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-04	19	21	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-05	24	26	ND	N	0.37	0.185	0.37		ug/g
MSD192102808370	CAN97-8B-06	29	31	ND	N	0.36	0.18	0.36		ug/g
MSD192110210080	CAN97-8B-07	34	36	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-08	39	41	ND	N	0.35	0.175	0.35		ug/g
MSD192102808370	CAN97-8B-09	44	46	ND	N	0.35	0.175	0.35		ug/g
MSD292103008070	CAN97-8B-10	49	51	ND	N	0.36	0.18	0.36		ug/g
MSD192102808370	CAN97-8B-11	54	56	ND	N	0.35	0.175	0.35		ug/g
MSD192110210080	CAN97-8B-12	59	61	ND	N	0.34	0.17	0.34		ug/g
MSD192102808370	CAN97-8B-13	64	66	ND	N	0.35	0.175	0.35		ug/g
SW8240 - Toluene										
450392101909530	CAN97-09-01	0	2	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-02	4	6	<	N	1.9	1.9	5.5	J	ug/kg
450492101208290	CAN97-09-03	9	11	<	N	1	1	5.4	J	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492101208290	CAN97-09-04	14	16	<	N	1.8	1.8	5.4	J	ug/kg
450492101208290	CAN97-09-05	19	21	<	N	1.7	1.7	5.3	J	ug/kg
450492101208290	CAN97-09-06	24	26	ND	N	5.4	2.7	5.4		ug/kg
450392101909530	CAN97-09-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-09-08	34	36	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-09	39	41	<	N	4.2	4.2	5.3	J	ug/kg
450492101208290	CAN97-09-10	44	46	>	N	15	15	5.4	@	ug/kg
450492101509400	CAN97-09-11	49	53	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-12	54	56	<	N	1	1	5.2	J	ug/kg
450492101208290	CAN97-09-13	59	61	<	N	0.73	0.73	5.1	J	ug/kg
450492101509400	CAN97-10-01	0	2	<	N	4.7	4.7	5.3	J	ug/kg
450492101509400	CAN97-10-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-04	4	16	<	N	1.1	1.1	5.5	J	ug/kg
450492101509400	CAN97-10-03	9	11	<	N	0.63	0.63	5.4	J	ug/kg
450492101509400	CAN97-10-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492101509400	CAN97-10-06	24	26	<	N	0.34	0.34	5.6	J	ug/kg
450492101509400	CAN97-10-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-08	34	36	<	N	0.8	0.8	5.3	J	ug/kg
450492101509400	CAN97-10-09	39	41	<	N	1.2	1.2	5.3	J	ug/kg
450492101509400	CAN97-10-10	44	46	<	N	1.9	1.9	5.4	J	ug/kg
450492101509400	CAN97-10-11	49	51	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101509400	CAN97-10-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492100709590	CAN97-11-01	0	2	<	N	3.6	3.6	5.6	J	ug/kg
450492100709590	CAN97-11-02	4	6	<	N	5.2	5.2	5.9	J	ug/kg
450492100808580	CAN97-11-03	9	11	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-04	14	16	>	N	11	11	5.8	@	ug/kg
450492100709590	CAN97-11-05	19	21	<	N	1	1	5.8	J	ug/kg
450492100709590	CAN97-11-06	24	26	<	N	0.97	0.97	5.6	J	ug/kg
450492100709590	CAN97-11-07	29	31	<	N	1.1	1.1	5.4	J	ug/kg
450492100709590	CAN97-11-08	34	36	>	N	5.9	5.9	5.6	@	ug/kg
450492100709590	CAN97-11-99	39	41	<	FD	1.6	1.6	5.3	J	ug/kg
450492100709590	CAN97-11-10	46	48	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-11	51	53	<	N	0.98	0.98	5.3	J	ug/kg
450492100709590	CAN97-11-12	54	56	<	N	4.4	4.4	5.3	J	ug/kg
450492100709590	CAN97-11-13	59	61	<	N	0.97	0.97	5.2	J	ug/kg
450492102009440	CAN97-12-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102009440	CAN97-12-06	5	7	ND	N	5.3	2.65	5.3		ug/kg
450492101913540	CAN97-13-99	0	2	>	FD	36	36.5	5.1		ug/kg
450492102009440	CAN97-13-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492102009440	CAN97-13-06	5	7	<	N	1	1	5.7	J	ug/kg
450492100808580	CAN97-14-01	0	2	>	N	30	30	5.3		ug/kg
450492100808580	CAN97-14-02	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-03	9	11	<	N	2.8	2.8	5.3	J	ug/kg
450492100808580	CAN97-14-04	14	16	ND	N	5.5	2.75	5.5		ug/kg
450492100808580	CAN97-14-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-06	24	26	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-08	34	36	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-10	44	46	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-11	49	51	<	N	0.97	0.97	5.2	J	ug/kg
450492100808580	CAN97-14-12	54	56	<	N	2.4	2.4	5.3	J	ug/kg
450492100808580	CAN97-14-13	59	61	<	N	4.5	4.5	5.2	J	ug/kg
450492101913540	CAN97-15-S	0	2	>	N	79	79	5.1		ug/kg
450492102210000	CAN97-15-I	4	6	<	N	1.1	1.1	5.5	J	ug/kg
450492102210000	CAN97-15-06	6	8	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-16-S	0	2	>	N	68	68	5.1		ug/kg
450492102009440	CAN97-16-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102009440	CAN97-16-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-17-S	0	2	>	N	7.8	7.8	5	@	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492102210000	CAN97-17-I	4	6	<	N	1.1	1.1	5.5	J	ug/kg
450492102210000	CAN97-17-06	6	8	ND	N	5.5	2.75	5.5		ug/kg
450492101913540	CAN97-18-S	0	2	>	N	25	25	5		ug/kg
450492102210000	CAN97-18-I	4	6	<	N	1.2	1.2	5.5	J	ug/kg
450492102210000	CAN97-18-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-19-99	0	2	>	FD	44	32.5	5		ug/kg
450492102210000	CAN97-19-I	4	6	<	N	0.79	0.79	5.2	J	ug/kg
450492102210000	CAN97-19-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-20-S	0	2	>	N	100	100	5.1		ug/kg
450492102210000	CAN97-20-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-20-06	7	9	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-21-S	0	2	>	N	220	220	5		ug/kg
450492102210000	CAN97-21-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102210000	CAN97-21-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101609490	CAN97-2A-S	0	2	<	N	4.1	4.1	5.4	J	ug/kg
450492101609490	CAN97-2A-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101609490	CAN97-2A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-S	0	2	<	N	2.3	2.3	5.3	J	ug/kg
450492101609490	CAN97-2B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-06	8	10	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-3A-S	0	2	<	N	1.2	1.2	5.8	J	ug/kg
450392101909530	CAN97-3A-I	4	6	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-3A-06	8	10	>	N	9.2	9.2	5.5	@	ug/kg
450392101508460	CAN97-3B-S	0	2	<	N	0.4	0.4	5.8	J	ug/kg
450392101508460	CAN97-3B-I	4	6	<	N	0.61	0.61	5.8	J	ug/kg
450392101508460	CAN97-3B-06	8	10	ND	N	5.7	2.85	5.7		ug/kg
450392101608360	CAN97-3C-01	12	14	<	N	1.9	1.9	5.5	J	ug/kg
450392101909530	CAN97-3C-02	18	20	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-03	23	25	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-04	28	30	ND	N	5.5	2.75	5.5		ug/kg
450392102007500	CAN97-3C-05	33	35	ND	N	5.6	2.8	5.6		ug/kg
450392102007500	CAN97-3C-06	38	40	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-07	43	45	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-08	48	50	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-09	53	55	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-10	58	60	ND	N	5.4	2.7	5.4		ug/kg
450392101608360	CAN97-3C-11	63	65	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-3C-12	68	70	ND	N	5.3	2.65	5.3		ug/kg
450392101608360	CAN97-3C-13	71	73	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-99	0	2	<	FD	1.3	1.08	5.3	J	ug/kg
450392101909530	CAN97-4A-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-06	8	10	<	N	0.66	0.66	5.4	J	ug/kg
450392101508460	CAN97-4B-S	0	2	<	N	3.5	3.5	5.2	J	ug/kg
450392101508460	CAN97-4B-I	4	6	<	N	0.18	0.18	5.4	J	ug/kg
450392101508460	CAN97-4B-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-S	0	2	<	N	5.2	5.2	5.4	J	ug/kg
450392101508460	CAN97-8A-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-06	8	10	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-8B-01	4	6	<	N	5.2	5.2	5.5	J	ug/kg
450392101909530	CAN97-8B-02	9	11	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-03	14	16	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-04	19	21	ND	N	5.5	2.75	5.5		ug/kg
450392101608360	CAN97-8B-05	24	26	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-06	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-07	34	36	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-8B-08	39	41	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-09	44	46	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-8B-10	49	51	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8B-11	54	56	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-8B-12	59	61	ND	N	5.1	2.55	5.1		ug/kg
450392101508460	CAN97-8B-13	64	66	ND	N	5.3	2.65	5.3		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
SW8240 - Trichloroethene										
450492101509400	CAN97-10-10	44	46	<	N	1.9	1.9	5.4	J	ug/kg
450392102208550	CAN97-16-S	0	2	<	N	0.36	0.36	5.1	J	ug/kg
SW8240 - Xylenes										
450392101909530	CAN97-09-01	0	2	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-09-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-04	14	16	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-05	19	21	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-06	24	26	ND	N	5.4	2.7	5.4		ug/kg
450392101909530	CAN97-09-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-09-08	34	36	ND	N	5.4	2.7	5.4		ug/kg
450492101208290	CAN97-09-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-10	44	46	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-09-11	49	53	ND	N	5.3	2.65	5.3		ug/kg
450492101208290	CAN97-09-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101208290	CAN97-09-13	59	61	ND	N	5.1	2.55	5.1		ug/kg
450492101509400	CAN97-10-01	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-02	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-04	4	16	ND	N	5.5	2.75	5.5		ug/kg
450492101509400	CAN97-10-03	9	11	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492101509400	CAN97-10-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492101509400	CAN97-10-07	29	31	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-08	34	36	<	N	1.4	1.4	5.3	J	ug/kg
450492101509400	CAN97-10-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-10	44	46	ND	N	5.4	2.7	5.4		ug/kg
450492101509400	CAN97-10-11	49	51	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-10-12	54	56	ND	N	5.2	2.6	5.2		ug/kg
450492101509400	CAN97-10-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492100709590	CAN97-11-01	0	2	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-02	4	6	ND	N	5.9	2.95	5.9		ug/kg
450492100808580	CAN97-11-03	9	11	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-04	14	16	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-05	19	21	ND	N	5.8	2.9	5.8		ug/kg
450492100709590	CAN97-11-06	24	26	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100709590	CAN97-11-08	34	36	ND	N	5.6	2.8	5.6		ug/kg
450492100709590	CAN97-11-09	39	41	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-10	46	48	ND	N	5.7	2.85	5.7		ug/kg
450492100709590	CAN97-11-11	51	53	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100709590	CAN97-11-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-12-S	0	2	ND	N	5	2.5	5		ug/kg
450492102009440	CAN97-12-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102009440	CAN97-12-06	5	7	ND	N	5.3	2.65	5.3		ug/kg
450492102009440	CAN97-13-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492102009440	CAN97-13-06	5	7	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-01	0	2	<	N	4.1	4.1	5.3	J	ug/kg
450492100808580	CAN97-14-02	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-03	9	11	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-04	14	16	ND	N	5.5	2.75	5.5		ug/kg
450492100808580	CAN97-14-05	19	21	ND	N	5.7	2.85	5.7		ug/kg
450492100808580	CAN97-14-06	24	26	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-07	29	31	ND	N	5.4	2.7	5.4		ug/kg
450492100808580	CAN97-14-08	34	36	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-09	39	41	ND	N	5.3	2.65	5.3		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492100808580	CAN97-14-10	44	46	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-11	49	51	ND	N	5.2	2.6	5.2		ug/kg
450492100808580	CAN97-14-12	54	56	ND	N	5.3	2.65	5.3		ug/kg
450492100808580	CAN97-14-13	59	61	ND	N	5.2	2.6	5.2		ug/kg
450492102210000	CAN97-15-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-15-06	6	8	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-16-S	0	2	<	N	4.9	4.9	5.1	J	ug/kg
450492102009440	CAN97-16-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102009440	CAN97-16-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-17-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-17-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-17-06	6	8	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-18-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-18-06	5	7	ND	N	5.4	2.7	5.4		ug/kg
450492101913540	CAN97-19-S	0	2	ND	N	5	2.5	5		ug/kg
450492102210000	CAN97-19-I	4	6	ND	N	5.2	2.6	5.2		ug/kg
450492102210000	CAN97-19-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101913540	CAN97-20-S	0	2	ND	N	5.1	2.55	5.1		ug/kg
450492102210000	CAN97-20-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492102210000	CAN97-20-06	7	9	ND	N	5.4	2.7	5.4		ug/kg
450392102208550	CAN97-21-S	0	2	>	N	25	25	5		ug/kg
450492102210000	CAN97-21-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492102210000	CAN97-21-06	5	7	ND	N	5.2	2.6	5.2		ug/kg
450492101609490	CAN97-2A-S	0	2	<	N	1.2	1.2	5.4	J	ug/kg
450492101609490	CAN97-2A-I	4	6	ND	N	5.5	2.75	5.5		ug/kg
450492101609490	CAN97-2A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-S	0	2	ND	N	5.3	2.65	5.3		ug/kg
450492101609490	CAN97-2B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450492101609490	CAN97-2B-06	8	10	ND	N	5.5	2.75	5.5		ug/kg
450492101208290	CAN97-3A-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101909530	CAN97-3A-I	4	6	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-3A-06	8	10	<	N	2.8	2.8	5.5	J	ug/kg
450392101508460	CAN97-3B-S	0	2	ND	N	5.8	2.9	5.8		ug/kg
450392101508460	CAN97-3B-I	4	6	ND	N	5.8	2.9	5.8		ug/kg
450392101508460	CAN97-3B-06	8	10	ND	N	5.7	2.85	5.7		ug/kg
450392101608360	CAN97-3C-01	12	14	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-02	18	20	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-03	23	25	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-04	28	30	ND	N	5.5	2.75	5.5		ug/kg
450392102007500	CAN97-3C-05	33	35	ND	N	5.6	2.8	5.6		ug/kg
450392102007500	CAN97-3C-06	38	40	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-07	43	45	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-3C-08	48	50	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-09	53	55	ND	N	5.6	2.8	5.6		ug/kg
450392101909530	CAN97-3C-10	58	60	ND	N	5.4	2.7	5.4		ug/kg
450392101608360	CAN97-3C-11	63	65	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-3C-12	68	70	ND	N	5.3	2.65	5.3		ug/kg
450392101608360	CAN97-3C-13	71	73	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-S	0	2	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-4A-I	4	6	ND	N	5.3	2.65	5.3		ug/kg
450492101509400	CAN97-4A-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-S	0	2	<	N	1.2	1.2	5.2	J	ug/kg
450392101508460	CAN97-4B-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-4B-06	8	10	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-S	0	2	<	N	1.7	1.7	5.4	J	ug/kg
450392101508460	CAN97-8A-I	4	6	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8A-06	8	10	ND	N	5.6	2.8	5.6		ug/kg
450492101208290	CAN97-8B-01	4	6	ND	N	5.5	2.75	5.5		ug/kg
450392101909530	CAN97-8B-02	9	11	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-03	14	16	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-04	19	21	ND	N	5.5	2.75	5.5		ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450392101608360	CAN97-8B-05	24	26	ND	N	5.5	2.75	5.5		ug/kg
450392101508460	CAN97-8B-06	29	31	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-07	34	36	ND	N	5.2	2.6	5.2		ug/kg
450392101508460	CAN97-8B-08	39	41	ND	N	5.3	2.65	5.3		ug/kg
450392101508460	CAN97-8B-09	44	46	ND	N	5.2	2.6	5.2		ug/kg
450392101608360	CAN97-8B-10	49	51	ND	N	5.4	2.7	5.4		ug/kg
450392101508460	CAN97-8B-11	54	56	ND	N	5.3	2.65	5.3		ug/kg
450392101909530	CAN97-8B-12	59	61	ND	N	5.1	2.55	5.1		ug/kg
450392101508460	CAN97-8B-13	64	66	ND	N	5.3	2.65	5.3		ug/kg
Inorganics										
SW6010 - Aluminum										
JA61_110713-020	CAN97-09-02	4	6	>	N	12000	12000	170		mg/kg
JA61_110713-020	CAN97-09-01	0	2	>	N	10000	10000	16		mg/kg
JA61_110713-020	CAN97-09-03	9	11	>	N	9600	9600	17		mg/kg
JA61_110713-020	CAN97-09-07	29	31	>	N	8600	8600	63		mg/kg
JA61_111017-020	CAN97-09-99	24	26	>	FD	8300	8400	17		mg/kg
JA61_110713-020	CAN97-09-04	14	16	>	N	7500	7500	160		mg/kg
JA61_110713-020	CAN97-09-05	19	21	>	N	6100	6100	160		mg/kg
JA61_110713-020	CAN97-09-08	34	36	>	N	5500	5500	62		mg/kg
JA61_110713-020	CAN97-09-09	39	41	>	N	4700	4700	17		mg/kg
JA61_110713-020	CAN97-09-11	49	53	>	N	4500	4500	16		mg/kg
JA61_110713-020	CAN97-09-10	44	46	>	N	4200	4200	16		mg/kg
JA61_110713-020	CAN97-09-12	54	56	>	N	2900	2900	14		mg/kg
JA61_110713-020	CAN97-09-13	59	61	>	N	1700	1700	15		mg/kg
JA61_102916-020	CAN97-10-06	24	26	>	N	11000	11000	72		mg/kg
JA61_102916-020	CAN97-10-01	0	2	>	N	8300	8300	18		mg/kg
JA61_102916-020	CAN97-10-03	9	11	>	N	8100	8100	75		mg/kg
JA61_102916-020	CAN97-10-02	4	6	>	N	6600	6600	140		mg/kg
JA61_102916-020	CAN97-10-04	4	16	>	N	6400	6400	78		mg/kg
JA61_102916-020	CAN97-10-99	19	21	>	FD	6200	6250	77		mg/kg
JA61_102916-020	CAN97-10-07	29	31	>	N	6100	6100	72		mg/kg
JA61_102916-020	CAN97-10-08	34	36	>	N	5100	5100	69		mg/kg
JA61_102916-020	CAN97-10-09	39	41	>	N	4400	4400	17		mg/kg
JA61_102916-020	CAN97-10-10	44	46	>	N	4000	4000	17		mg/kg
JA61_102916-020	CAN97-10-12	54	56	>	N	2200	2200	17		mg/kg
JA61_102916-020	CAN97-10-11	49	51	>	N	2100	2100	16		mg/kg
JA61_102916-020	CAN97-10-13	59	61	>	N	1500	1500	16		mg/kg
JA61_103011-001	CAN97-11-05	19	21	>	N	20000	20000	20		mg/kg
JA61_103011-001	CAN97-11-01	0	2	>	N	15000	15000	20		mg/kg
JA61_103011-001	CAN97-11-04	14	16	>	N	15000	15000	20		mg/kg
JA61_103011-001	CAN97-11-03	9	11	>	N	13000	13000	21		mg/kg
JA61_103011-001	CAN97-11-06	24	26	>	N	13000	13000	19		mg/kg
JA61_103011-001	CAN97-11-07	29	31	>	N	11000	11000	19		mg/kg
JA61_103011-001	CAN97-11-02	4	6	>	N	6600	6600	21		mg/kg
JA61_103011-001	CAN97-11-08	34	36	>	N	5600	5600	19		mg/kg
JA61_103011-001	CAN97-11-99	39	41	>	FD	4500	4450	19		mg/kg
JA61_103011-001	CAN97-11-11	51	53	>	N	3700	3700	18		mg/kg
JA61_103011-001	CAN97-11-12	54	56	>	N	2800	2800	17		mg/kg
JA61_103011-001	CAN97-11-13	59	61	>	N	2000	2000	16		mg/kg
JA61_111017-023	CAN97-12-S	0	2	>	N	18000	18000	15		mg/kg
JA61_110217-010	CAN97-12-I	4	6	>	N	14000	14000	17		mg/kg
JA61_110217-010	CAN97-12-06	5	7	>	N	10000	10000	18		mg/kg
JA61_111017-023	CAN97-13-99	0	2	>	FD	13000	14000	15		mg/kg
JA61_110217-010	CAN97-13-I	4	6	>	N	14000	14000	18		mg/kg
JA61_110217-010	CAN97-13-06	5	7	>	N	13000	13000	19		mg/kg
JA61_110608-001	CAN97-14-01	0	2	>	N	12000	12000	18		mg/kg
JA61_110608-001	CAN97-14-99	4	6	>	FD	7300	7700	19		mg/kg
JA61_110608-001	CAN97-14-06	24	26	>	N	7600	7600	19		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_110608-001	CAN97-14-05	19	21	>	N	7500	7500	19		mg/kg
JA61_110608-001	CAN97-14-03	9	11	>	N	7000	7000	19		mg/kg
JA61_110608-001	CAN97-14-07	29	31	>	N	6400	6400	18		mg/kg
JA61_110608-001	CAN97-14-10	44	46	>	N	5600	5600	18		mg/kg
JA61_110608-001	CAN97-14-04	14	16	>	N	5000	5000	19		mg/kg
JA61_110608-001	CAN97-14-09	39	41	>	N	4600	4600	17		mg/kg
JA61_110608-001	CAN97-14-13	59	61	>	N	4100	4100	16		mg/kg
JA61_110608-001	CAN97-14-08	34	36	>	N	3700	3700	17		mg/kg
JA61_110608-001	CAN97-14-12	54	56	>	N	3500	3500	17		mg/kg
JA61_110608-001	CAN97-14-11	49	51	>	N	3200	3200	18		mg/kg
JA61_111717-010	CAN97-15-I	4	6	>	N	15000	15000	16		mg/kg
JA61_111017-023	CAN97-15-S	0	2	>	N	13000	13000	15		mg/kg
JA61_111717-010	CAN97-15-06	6	8	>	N	13000	13000	16		mg/kg
JA61_111017-023	CAN97-16-S	0	2	>	N	15000	15000	15		mg/kg
JA61_110217-010	CAN97-16-I	4	6	>	N	15000	15000	18		mg/kg
JA61_110217-010	CAN97-16-99	5	7	>	FD	14000	14500	18		mg/kg
JA61_111717-010	CAN97-17-I	4	6	>	N	15000	15000	17		mg/kg
JA61_111717-010	CAN97-17-99	6	8	>	FD	13000	13000	16		mg/kg
JA61_111017-023	CAN97-17-S	0	2	>	N	2900	2900	15		mg/kg
JA61_111717-010	CAN97-18-I	4	6	>	N	21000	21000	17		mg/kg
JA61_111717-010	CAN97-18-06	5	7	>	N	14000	14000	160		mg/kg
JA61_111017-023	CAN97-18-S	0	2	>	N	10000	10000	15		mg/kg
JA61_111717-010	CAN97-19-06	5	7	>	N	16000	16000	16		mg/kg
JA61_111717-010	CAN97-19-I	4	6	>	N	12000	12000	15		mg/kg
JA61_111017-023	CAN97-19-99	0	2	>	FD	4100	9050	15		mg/kg
JA61_110217-010	CAN97-20-I	4	6	>	N	18000	18000	18		mg/kg
JA61_110217-010	CAN97-20-06	7	9	>	N	15000	15000	18		mg/kg
JA61_111017-023	CAN97-20-S	0	2	>	N	12000	12000	15		mg/kg
JA61_111717-010	CAN97-21-99	5	7	>	FD	10000	13500	64		mg/kg
JA61_111717-010	CAN97-21-I	4	6	>	N	12000	12000	16		mg/kg
JA61_111017-023	CAN97-21-S	0	2	>	N	11000	11000	15		mg/kg
JA61_110810-001	CAN97-2A-S	0	2	>	N	13000	13000	14		mg/kg
JA61_110810-001	CAN97-2A-I	4	6	>	N	13000	13000	14		mg/kg
JA61_110810-001	CAN97-2A-06	8	10	>	N	13000	13000	15		mg/kg
JA61_110810-001	CAN97-2B-99	4	6	>	FD	12000	12500	14		mg/kg
JA61_110810-001	CAN97-2B-S	0	2	>	N	12000	12000	15		mg/kg
JA61_110810-001	CAN97-2B-06	8	10	>	N	10000	10000	14		mg/kg
JA61_110713-020	CAN97-3A-06	8	10	>	N	14000	14000	68		mg/kg
JA61_110713-020	CAN97-3A-I	4	6	>	N	13000	13000	65		mg/kg
JA61_110713-020	CAN97-3A-S	0	2	>	N	11000	11000	180		mg/kg
JA61_110616-001	CAN97-3B-S	0	2	>	N	15000	15000	16		mg/kg
JA61_110616-001	CAN97-3B-I	4	6	>	N	13000	13000	17		mg/kg
JA61_110616-001	CAN97-3B-06	8	10	>	N	11000	11000	16		mg/kg
JA61_111017-020	CAN97-3C-01	12	14	>	N	14000	14000	18		mg/kg
JA61_111017-020	CAN97-3C-02	18	20	>	N	14000	14000	19		mg/kg
JA61_111017-020	CAN97-3C-04	28	30	>	N	11000	11000	18		mg/kg
JA61_111017-020	CAN97-3C-07	43	45	>	N	8300	8300	19		mg/kg
JA61_111017-020	CAN97-3C-03	23	25	>	N	8000	8000	18		mg/kg
JA61_111017-020	CAN97-3C-08	48	50	>	N	7000	7000	18		mg/kg
JA61_111017-020	CAN97-3C-05	33	35	>	N	6800	6800	19		mg/kg
JA61_111017-020	CAN97-3C-99	38	40	>	FD	5100	5350	19		mg/kg
JA61_111017-020	CAN97-3C-12	68	70	>	N	4700	4700	18		mg/kg
JA61_111017-020	CAN97-3C-13	71	73	>	N	4200	4200	17		mg/kg
JA61_111017-020	CAN97-3C-09	53	55	>	N	3900	3900	20		mg/kg
JA61_111017-020	CAN97-3C-10	58	60	>	N	2600	2600	18		mg/kg
JA61_111017-020	CAN97-3C-11	63	65	>	N	2500	2500	18		mg/kg
JA61_102916-020	CAN97-4A-99	0	2	>	FD	11000	10500	17		mg/kg
JA61_102916-020	CAN97-4A-06	8	10	>	N	9500	9500	300		mg/kg
JA61_102916-020	CAN97-4A-I	4	6	>	N	7400	7400	150		mg/kg
JA61_110616-001	CAN97-4B-S	0	2	>	N	12000	12000	16		mg/kg
JA61_110616-001	CAN97-4B-06	8	10	>	N	10000	10000	16		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_110616-001	CAN97-4B-I	4	6	>	N	8200	8200	16		mg/kg
JA61_110616-001	CAN97-8A-S	0	2	>	N	17000	17000	15		mg/kg
JA61_110810-001	CAN97-8A-I	4	6	>	N	11000	11000	16		mg/kg
JA61_110616-001	CAN97-8A-06	8	10	>	N	9800	9800	16		mg/kg
JA61_110713-020	CAN97-8B-02	9	11	>	N	12000	12000	160		mg/kg
JA61_110616-001	CAN97-8B-03	14	16	>	N	12000	12000	16		mg/kg
JA61_110616-001	CAN97-8B-04	19	21	>	N	8900	8900	17		mg/kg
JA61_110616-001	CAN97-8B-05	24	26	>	N	8800	8800	17		mg/kg
JA61_110713-020	CAN97-8B-01	4	6	>	N	8600	8600	150		mg/kg
JA61_110616-001	CAN97-8B-06	29	31	>	N	6800	6800	15		mg/kg
JA61_110616-001	CAN97-8B-08	39	41	>	N	5200	5200	15		mg/kg
JA61_111017-020	CAN97-8B-07	34	36	>	N	4700	4700	18		mg/kg
JA61_110616-001	CAN97-8B-10	49	51	>	N	4400	4400	16		mg/kg
JA61_110616-001	CAN97-8B-09	44	46	>	N	4000	4000	15		mg/kg
JA61_110616-001	CAN97-8B-11	54	56	>	N	3900	3900	15		mg/kg
JA61_110616-001	CAN97-8B-13	64	66	>	N	3500	3500	15		mg/kg
JA61_111017-020	CAN97-8B-99	59	61	>	FD	2000	1950	17		mg/kg
SW7060 - Arsenic										
Z3__102710-002	CAN97-09-01	0	2	>	N	2.7	2.7	0.35		mg/kg
Z3__102810-002	CAN97-09-02	4	6	>	N	2.8	2.8	0.35		mg/kg
Z3__102710-002	CAN97-09-04	14	16	>	N	2.9	2.9	0.31		mg/kg
Z3__102710-002	CAN97-09-05	19	21	>	N	2.9	2.9	0.33		mg/kg
Z3__110509-001	CAN97-09-99	24	26	>	FD	3.3	3.4	0.35		mg/kg
Z3__102710-002	CAN97-09-07	29	31	>	N	2.2	2.2	0.33		mg/kg
Z3__102710-002	CAN97-09-08	34	36	>	N	1.7	1.7	0.3		mg/kg
Z3__102710-002	CAN97-09-09	39	41	>	N	1.1	1.1	0.34	@	mg/kg
Z3__102710-002	CAN97-09-10	44	46	>	N	1.1	1.1	0.29	@	mg/kg
Z3__102710-002	CAN97-09-11	49	53	>	N	1.6	1.6	0.3		mg/kg
Z3__102710-002	CAN97-09-12	54	56	>	N	1.1	1.1	0.29	@	mg/kg
Z3__102710-002	CAN97-09-13	59	61	>	N	0.81	0.81	0.33	@	mg/kg
Z3__102911-001	CAN97-10-01	0	2	>	N	2.6	2.6	0.38		mg/kg
Z3__102911-001	CAN97-10-02	4	6	>	N	3.8	3.8	0.38		mg/kg
Z3__102911-001	CAN97-10-04	4	16	>	N	5	5	0.38		mg/kg
Z3__102911-001	CAN97-10-03	9	11	>	N	2	2	0.36		mg/kg
Z3__102911-001	CAN97-10-99	19	21	>	FD	3.8	3.9	0.38		mg/kg
Z3__102911-001	CAN97-10-06	24	26	>	N	3.4	3.4	0.34		mg/kg
Z3__102911-001	CAN97-10-07	29	31	>	N	2.4	2.4	0.35		mg/kg
Z3__102911-001	CAN97-10-08	34	36	>	N	1.7	1.7	0.37	@	mg/kg
Z3__102911-001	CAN97-10-09	39	41	>	N	0.97	0.97	0.36	@	mg/kg
Z3__102911-001	CAN97-10-10	44	46	>	N	1.1	1.1	0.34	@	mg/kg
Z3__102911-001	CAN97-10-11	49	51	>	N	0.81	0.81	0.34	@	mg/kg
Z3__102911-001	CAN97-10-12	54	56	>	N	0.66	0.66	0.35	@	mg/kg
Z3__102911-001	CAN97-10-13	59	61	>	N	0.39	0.39	0.32	@	mg/kg
Z3__101416-002	CAN97-11-01	0	2	>	N	3.9	3.9	0.4		mg/kg
Z3__101416-002	CAN97-11-02	4	6	>	N	4.2	4.2	0.41		mg/kg
Z3__101416-002	CAN97-11-03	9	11	>	N	3.4	3.4	0.39		mg/kg
Z3__102009-005	CAN97-11-04	14	16	>	N	7.9	7.9	0.77		mg/kg
Z3__102009-005	CAN97-11-05	19	21	>	N	6.4	6.4	0.4		mg/kg
Z3__102009-005	CAN97-11-06	24	26	>	N	3.6	3.6	0.39		mg/kg
Z3__102009-005	CAN97-11-07	29	31	>	N	3.1	3.1	0.39		mg/kg
Z3__102009-005	CAN97-11-08	34	36	>	N	2.6	2.6	0.37		mg/kg
Z3__102009-005	CAN97-11-99	39	41	>	FD	1.1	1.2	0.37	@	mg/kg
Z3__102009-005	CAN97-11-10	46	48	>	N	2.4	2.4	0.38		mg/kg
Z3__102009-005	CAN97-11-11	51	53	>	N	1.7	1.7	0.36	@	mg/kg
Z3__102009-005	CAN97-11-12	54	56	>	N	1	1	0.34	@	mg/kg
Z3__102009-005	CAN97-11-13	59	61	>	N	0.51	0.51	0.36	@	mg/kg
Z3__110409-001	CAN97-12-S	0	2	>	N	5	5	0.3		mg/kg
Z3__110609-001	CAN97-12-I	4	6	>	N	6	6	0.67		mg/kg
Z3__110609-001	CAN97-12-06	5	7	>	N	4.9	4.9	0.35		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
Z3___110409-001	CAN97-13-99	0	2	>	FD	4	4.15	0.29		mg/kg
Z3___110609-001	CAN97-13-I	4	6	>	N	5.2	5.2	0.37		mg/kg
Z3___110609-001	CAN97-13-06	5	7	>	N	5.6	5.6	0.36		mg/kg
Z3___101416-002	CAN97-14-01	0	2	>	N	4.2	4.2	0.37		mg/kg
Z3___101416-002	CAN97-14-99	4	6	>	FD	4.2	4.25	0.35		mg/kg
Z3___101416-002	CAN97-14-03	9	11	>	N	2.8	2.8	0.35		mg/kg
Z3___101416-002	CAN97-14-04	14	16	>	N	2.7	2.7	0.36		mg/kg
Z3___101416-002	CAN97-14-05	19	21	>	N	3.5	3.5	0.36		mg/kg
Z3___101416-002	CAN97-14-06	24	26	>	N	1.9	1.9	0.34		mg/kg
Z3___101416-002	CAN97-14-07	29	31	>	N	1.3	1.3	0.36	@	mg/kg
Z3___101416-002	CAN97-14-08	34	36	>	N	0.89	0.89	0.35	@	mg/kg
Z3___101416-002	CAN97-14-09	39	41	>	N	1	1	0.35	@	mg/kg
Z3___101416-002	CAN97-14-10	44	46	>	N	1.3	1.3	0.36	@	mg/kg
Z3___101416-002	CAN97-14-11	49	51	>	N	0.81	0.81	0.35	@	mg/kg
Z3___101416-002	CAN97-14-12	54	56	>	N	0.79	0.79	0.35	@	mg/kg
Z3___101416-002	CAN97-14-13	59	61	>	N	1.3	1.3	0.34	@	mg/kg
Z3___110409-001	CAN97-15-S	0	2	>	N	5.6	5.6	0.59		mg/kg
Z3___110609-003	CAN97-15-I	4	6	>	N	3.1	3.1	0.33		mg/kg
Z3___110609-003	CAN97-15-06	6	8	>	N	5	5	0.33		mg/kg
Z3___110409-001	CAN97-16-S	0	2	>	N	3.9	3.9	0.31		mg/kg
Z3___110609-001	CAN97-16-I	4	6	>	N	5.1	5.1	0.34		mg/kg
Z3___110609-001	CAN97-16-06	5	7	>	N	5.5	5.5	0.72		mg/kg
Z3___110409-001	CAN97-17-S	0	2	>	N	9	9	0.62		mg/kg
Z3___110609-003	CAN97-17-I	4	6	>	N	3.2	3.2	0.33		mg/kg
Z3___110609-003	CAN97-17-99	6	8	>	FD	4.6	4.2	0.33		mg/kg
Z3___110409-001	CAN97-18-S	0	2	>	N	6.6	6.6	0.59		mg/kg
Z3___110609-003	CAN97-18-I	4	6	>	N	4.2	4.2	0.33		mg/kg
Z3___110609-003	CAN97-18-06	5	7	>	N	4.2	4.2	0.33		mg/kg
Z3___110409-001	CAN97-19-99	0	2	>	FD	5	4.75	0.61		mg/kg
Z3___110609-003	CAN97-19-I	4	6	>	N	4.1	4.1	0.3		mg/kg
Z3___110609-003	CAN97-19-06	5	7	>	N	5	5	0.31		mg/kg
Z3___110409-001	CAN97-20-S	0	2	>	N	4.5	4.5	0.31		mg/kg
Z3___110609-001	CAN97-20-I	4	6	>	N	5.6	5.6	0.36		mg/kg
Z3___110609-001	CAN97-20-06	7	9	>	N	5.2	5.2	0.36		mg/kg
Z3___110409-001	CAN97-21-S	0	2	>	N	4	4	0.3		mg/kg
Z3___110609-003	CAN97-21-I	4	6	>	N	3.7	3.7	0.32		mg/kg
Z3___110609-003	CAN97-21-99	5	7	>	FD	2.7	3.4	0.32		mg/kg
Z3___102810-001	CAN97-2A-S	0	2	>	N	4.5	4.5	0.3		mg/kg
Z3___102810-001	CAN97-2A-I	4	6	>	N	2	2	0.31		mg/kg
Z3___102810-001	CAN97-2A-06	8	10	>	N	2.4	2.4	0.34		mg/kg
Z3___102810-001	CAN97-2B-S	0	2	>	N	3.8	3.8	0.61		mg/kg
Z3___102810-001	CAN97-2B-99	4	6	>	FD	2	1.95	0.29		mg/kg
Z3___102810-001	CAN97-2B-06	8	10	ND	N	0.3	0.15	0.3		mg/kg
Z3___102710-002	CAN97-3A-S	0	2	>	N	5.1	5.1	0.34		mg/kg
Z3___102710-002	CAN97-3A-I	4	6	>	N	3.4	3.4	0.31		mg/kg
Z3___102710-002	CAN97-3A-06	8	10	>	N	2.8	2.8	0.33		mg/kg
Z3___102108-003	CAN97-3B-S	0	2	>	N	2.2	2.2	0.33		mg/kg
Z3___102108-003	CAN97-3B-I	4	6	>	N	2	2	0.35		mg/kg
Z3___102108-003	CAN97-3B-06	8	10	>	N	0.064	0.064	0.32	J	mg/kg
Z3___110509-001	CAN97-3C-01	12	14	>	N	5.9	5.9	0.36		mg/kg
Z3___110509-001	CAN97-3C-02	18	20	>	N	4.1	4.1	0.37		mg/kg
Z3___110509-001	CAN97-3C-03	23	25	>	N	1.7	1.7	0.37	@	mg/kg
Z3___110509-001	CAN97-3C-04	28	30	>	N	3.2	3.2	0.36		mg/kg
Z3___110509-001	CAN97-3C-05	33	35	>	N	2.7	2.7	0.37		mg/kg
Z3___110509-001	CAN97-3C-99	38	40	>	FD	2	2.05	0.39		mg/kg
Z3___110509-001	CAN97-3C-07	43	45	>	N	2.6	2.6	0.37		mg/kg
Z3___110509-001	CAN97-3C-08	48	50	>	N	2.4	2.4	0.38		mg/kg
Z3___110509-001	CAN97-3C-09	53	55	>	N	2.5	2.5	0.37		mg/kg
Z3___110509-001	CAN97-3C-10	58	60	>	N	1.1	1.1	0.36	@	mg/kg
Z3___110509-001	CAN97-3C-11	63	65	>	N	1.2	1.2	0.36	@	mg/kg
Z3___110509-001	CAN97-3C-12	68	70	>	N	1.7	1.7	0.35	@	mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
Z3__110509-001	CAN97-3C-13	71	73	>	N	1.5	1.5	0.35	@	mg/kg
Z3__102911-001	CAN97-4A-99	0	2	>	FD	3.5	3.55	0.35		mg/kg
Z3__102911-001	CAN97-4A-I	4	6	>	N	4.8	4.8	0.38		mg/kg
Z3__102911-001	CAN97-4A-06	8	10	>	N	3.8	3.8	0.38		mg/kg
Z3__102108-003	CAN97-4B-S	0	2	>	N	2.9	2.9	0.32		mg/kg
Z3__102108-003	CAN97-4B-I	4	6	>	N	0.48	0.48	0.33	@	mg/kg
Z3__102108-003	CAN97-4B-06	8	10	>	N	0.6	0.6	0.32	@	mg/kg
Z3__102117-001	CAN97-8A-S	0	2	>	N	0.023	0.023	0.3	J	mg/kg
Z3__102810-001	CAN97-8A-I	4	6	ND	N	0.34	0.17	0.34		mg/kg
Z3__102108-003	CAN97-8A-06	8	10	ND	N	0.32	0.16	0.32		mg/kg
Z3__102810-002	CAN97-8B-01	4	6	>	N	0.93	0.93	0.35	@	mg/kg
Z3__102810-002	CAN97-8B-02	9	11	>	N	1.6	1.6	0.33	@	mg/kg
Z3__102108-003	CAN97-8B-03	14	16	>	N	2.8	2.8	0.33		mg/kg
Z3__102108-003	CAN97-8B-04	19	21	>	N	0.2	0.2	0.33	J	mg/kg
Z3__102108-003	CAN97-8B-05	24	26	>	N	1.6	1.6	0.34	@	mg/kg
Z3__102108-003	CAN97-8B-06	29	31	>	N	1.4	1.4	0.3	@	mg/kg
Z3__110509-001	CAN97-8B-07	34	36	>	N	1.5	1.5	0.35	@	mg/kg
Z3__102108-003	CAN97-8B-08	39	41	>	N	1.8	1.8	0.3		mg/kg
Z3__102108-003	CAN97-8B-09	44	46	>	N	1.4	1.4	0.3	@	mg/kg
Z3__102108-003	CAN97-8B-10	49	51	>	N	1.4	1.4	0.32	@	mg/kg
Z3__102108-003	CAN97-8B-11	54	56	>	N	1.9	1.9	0.31		mg/kg
Z3__110509-001	CAN97-8B-99	59	61	>	FD	1	0.925	0.35	@	mg/kg
Z3__102108-003	CAN97-8B-13	64	66	>	N	1.8	1.8	0.29		mg/kg
SW6010 - Manganese		0								
JA61_110713-020	CAN97-09-01	24	2	>	N	120	120	0.82		mg/kg
JA61_111017-020	CAN97-09-99	4	26	>	FD	110	95.5	0.87		mg/kg
JA61_110713-020	CAN97-09-02	9	6	>	N	68	68	8.6		mg/kg
JA61_110713-020	CAN97-09-03	49	11	>	N	52	52	0.84		mg/kg
JA61_110713-020	CAN97-09-11	29	53	>	N	40	40	0.82		mg/kg
JA61_110713-020	CAN97-09-07	39	31	>	N	39	39	3.2		mg/kg
JA61_110713-020	CAN97-09-09	44	41	>	N	37	37	0.83		mg/kg
JA61_110713-020	CAN97-09-10	54	46	>	N	35	35	0.82		mg/kg
JA61_110713-020	CAN97-09-12	14	56	>	N	35	35	0.71		mg/kg
JA61_110713-020	CAN97-09-04	34	16	>	N	31	31	0.81		mg/kg
JA61_110713-020	CAN97-09-08	19	36	>	N	31	31	3.1		mg/kg
JA61_110713-020	CAN97-09-05	59	21	>	N	23	23	0.81		mg/kg
JA61_110713-020	CAN97-09-13	0	61	>	N	23	23	0.74		mg/kg
JA61_102916-020	CAN97-10-01	9	2	>	N	130	130	0.92		mg/kg
JA61_102916-020	CAN97-10-03	24	11	>	N	100	100	3.8		mg/kg
JA61_102916-020	CAN97-10-06	4	26	>	N	58	58	3.6		mg/kg
JA61_102916-020	CAN97-10-02	39	6	>	N	52	52	7.1		mg/kg
JA61_102916-020	CAN97-10-09	34	41	>	N	46	46	0.85		mg/kg
JA61_102916-020	CAN97-10-08	44	36	>	N	43	43	3.4		mg/kg
JA61_102916-020	CAN97-10-10	4	46	>	N	43	43	0.83		mg/kg
JA61_102916-020	CAN97-10-04	29	16	>	N	36	36	3.9		mg/kg
JA61_102916-020	CAN97-10-07	19	31	>	N	35	35	3.6		mg/kg
JA61_102916-020	CAN97-10-99	54	21	>	FD	34	32.5	3.8		mg/kg
JA61_102916-020	CAN97-10-12	59	56	>	N	31	31	0.85		mg/kg
JA61_102916-020	CAN97-10-13	49	61	>	N	26	26	0.82		mg/kg
JA61_102916-020	CAN97-10-11	0	51	>	N	23	23	0.79		mg/kg
JA61_103011-001	CAN97-11-01	19	2	>	N	220	220	1		mg/kg
JA61_103011-001	CAN97-11-05	9	21	>	N	150	150	1		mg/kg
JA61_103011-001	CAN97-11-03	14	11	>	N	88	88	1		mg/kg
JA61_103011-001	CAN97-11-04	29	16	>	N	55	55	0.98		mg/kg
JA61_103011-001	CAN97-11-07	51	31	>	N	50	50	0.93		mg/kg
JA61_103011-001	CAN97-11-11	24	53	>	N	48	48	0.88		mg/kg
JA61_103011-001	CAN97-11-06	34	26	>	N	43	43	0.97		mg/kg
JA61_103011-001	CAN97-11-08	39	36	>	N	42	42	0.96		mg/kg
JA61_103011-001	CAN97-11-99	4	41	>	FD	37	38	0.93		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_103011-001	CAN97-11-02	54	6	>	N	31	31	1		mg/kg
JA61_103011-001	CAN97-11-12	59	56	>	N	26	26	0.83		mg/kg
JA61_103011-001	CAN97-11-13	46	61	>	N	26	26	0.78		mg/kg
JA61_103011-001	CAN97-11-10	0	48	ND	N	4	3.9	3.9		mg/kg
JA61_111017-023	CAN97-12-S	4	2	>	N	210	210	0.75		mg/kg
JA61_110217-010	CAN97-12-I	5	6	>	N	180	180	0.86		mg/kg
JA61_110217-010	CAN97-12-06	0	7	>	N	64	64	0.89		mg/kg
JA61_111017-023	CAN97-13-99	4	2	>	FD	210	220	0.74		mg/kg
JA61_110217-010	CAN97-13-I	5	6	>	N	210	210	0.88		mg/kg
JA61_110217-010	CAN97-13-06	0	7	>	N	86	86	0.96		mg/kg
JA61_110608-001	CAN97-14-01	44	2	>	N	240	240	0.88		mg/kg
JA61_110608-001	CAN97-14-10	9	46	>	N	51	51	0.91		mg/kg
JA61_110608-001	CAN97-14-03	4	11	>	N	50	50	0.93		mg/kg
JA61_110608-001	CAN97-14-99	54	6	>	FD	48	47.5	0.93		mg/kg
JA61_110608-001	CAN97-14-12	39	56	>	N	43	43	0.86		mg/kg
JA61_110608-001	CAN97-14-09	59	41	>	N	41	41	0.86		mg/kg
JA61_110608-001	CAN97-14-13	34	61	>	N	40	40	0.81		mg/kg
JA61_110608-001	CAN97-14-08	19	36	>	N	39	39	0.86		mg/kg
JA61_110608-001	CAN97-14-05	24	21	>	N	35	35	0.94		mg/kg
JA61_110608-001	CAN97-14-06	49	26	>	N	35	35	0.93		mg/kg
JA61_110608-001	CAN97-14-11	29	51	>	N	35	35	0.91		mg/kg
JA61_110608-001	CAN97-14-07	14	31	>	N	30	30	0.91		mg/kg
JA61_110608-001	CAN97-14-04	4	16	>	N	20	20	0.95		mg/kg
JA61_111717-010	CAN97-15-I	0	6	>	N	220	220	0.82		mg/kg
JA61_111017-023	CAN97-15-S	6	2	>	N	200	200	0.73		mg/kg
JA61_111717-010	CAN97-15-06	4	8	>	N	80	80	8.1		mg/kg
JA61_110217-010	CAN97-16-I	4	6	>	N	250	250	0.91		mg/kg
JA61_110217-010	CAN97-16-99	0	6	>	FD	240	240	0.89		mg/kg
JA61_111017-023	CAN97-16-S	5	2	>	N	230	230	0.73		mg/kg
JA61_110217-010	CAN97-16-06	0	7	>	N	92	92	0.89		mg/kg
JA61_111017-023	CAN97-17-S	4	2	>	N	460	460	0.76		mg/kg
JA61_111717-010	CAN97-17-I	6	6	>	N	240	240	0.83		mg/kg
JA61_111717-010	CAN97-17-99	4	8	>	FD	90	92.5	8.2		mg/kg
JA61_111717-010	CAN97-18-I	0	6	>	N	230	230	0.84		mg/kg
JA61_111017-023	CAN97-18-S	5	2	>	N	210	210	0.73		mg/kg
JA61_111717-010	CAN97-18-06	4	7	>	N	110	110	8.2		mg/kg
JA61_111717-010	CAN97-19-I	5	6	>	N	150	150	0.77		mg/kg
JA61_111717-010	CAN97-19-06	0	7	>	N	150	150	0.78		mg/kg
JA61_111017-023	CAN97-19-99	0	2	>	FD	650	42.5	0.76		mg/kg
JA61_111017-023	CAN97-20-S	4	2	>	N	300	300	0.77		mg/kg
JA61_110217-010	CAN97-20-I	7	6	>	N	170	170	0.88		mg/kg
JA61_110217-010	CAN97-20-06	5	9	>	N	130	130	0.91		mg/kg
JA61_111717-010	CAN97-21-99	4	7	>	FD	110	125	3.2		mg/kg
JA61_111717-010	CAN97-21-I	0	6	>	N	110	110	7.9		mg/kg
JA61_111017-023	CAN97-21-S	0	2	>	N	89	89	0.74		mg/kg
JA61_110810-001	CAN97-2A-S	8	2	>	N	170	170	0.68		mg/kg
JA61_110810-001	CAN97-2A-06	4	10	>	N	120	120	0.73		mg/kg
JA61_110810-001	CAN97-2A-I	0	6	>	N	110	110	0.71		mg/kg
JA61_110810-001	CAN97-2B-S	4	2	>	N	140	140	0.75		mg/kg
JA61_110810-001	CAN97-2B-99	8	6	>	FD	100	105	0.69		mg/kg
JA61_110810-001	CAN97-2B-06	4	10	>	N	54	54	0.72		mg/kg
JA61_110713-020	CAN97-3A-I	8	6	>	N	120	120	3.3		mg/kg
JA61_110713-020	CAN97-3A-06	0	10	>	N	120	120	3.4		mg/kg
JA61_110713-020	CAN97-3A-S	0	2	>	N	55	55	9		mg/kg
JA61_110616-001	CAN97-3B-S	4	2	>	N	120	120	0.82		mg/kg
JA61_110616-001	CAN97-3B-I	8	6	>	N	110	110	0.85		mg/kg
JA61_110616-001	CAN97-3B-06	12	10	>	N	110	110	0.8		mg/kg
JA61_111017-020	CAN97-3C-01	23	14	>	N	170	170	0.89		mg/kg
JA61_111017-020	CAN97-3C-03	18	25	>	N	170	170	0.92		mg/kg
JA61_111017-020	CAN97-3C-02	28	20	>	N	150	150	0.97		mg/kg
JA61_111017-020	CAN97-3C-04	68	30	>	N	120	120	0.9		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_111017-020	CAN97-3C-12	71	70	>	N	100	100	0.9		mg/kg
JA61_111017-020	CAN97-3C-13	43	73	>	N	81	81	0.84		mg/kg
JA61_111017-020	CAN97-3C-07	48	45	>	N	66	66	0.93		mg/kg
JA61_111017-020	CAN97-3C-08	33	50	>	N	53	53	0.92		mg/kg
JA61_111017-020	CAN97-3C-05	58	35	>	N	43	43	0.96		mg/kg
JA61_111017-020	CAN97-3C-10	53	60	>	N	31	31	0.91		mg/kg
JA61_111017-020	CAN97-3C-09	38	55	>	N	30	30	1		mg/kg
JA61_111017-020	CAN97-3C-99	63	40	>	FD	27	29.5	0.96		mg/kg
JA61_111017-020	CAN97-3C-11	0	65	>	N	29	29	0.91		mg/kg
JA61_102916-020	CAN97-4A-99	8	2	>	FD	160	155	0.84		mg/kg
JA61_102916-020	CAN97-4A-06	4	10	>	N	83	83	15		mg/kg
JA61_102916-020	CAN97-4A-I	0	6	>	N	36	36	7.5	@	mg/kg
JA61_110616-001	CAN97-4B-S	8	2	>	N	140	140	0.78		mg/kg
JA61_110616-001	CAN97-4B-06	4	10	>	N	55	55	0.81		mg/kg
JA61_110616-001	CAN97-4B-I	0	6	>	N	48	48	0.82		mg/kg
JA61_110616-001	CAN97-8A-S	4	2	>	N	160	160	0.75		mg/kg
JA61_110810-001	CAN97-8A-I	8	6	>	N	84	84	0.78		mg/kg
JA61_110616-001	CAN97-8A-06	9	10	>	N	40	40	0.79		mg/kg
JA61_110713-020	CAN97-8B-02	14	11	>	N	110	110	8.2		mg/kg
JA61_110616-001	CAN97-8B-03	4	16	>	N	110	110	0.8		mg/kg
JA61_110713-020	CAN97-8B-01	49	6	>	N	70	70	7.3		mg/kg
JA61_110616-001	CAN97-8B-10	39	51	>	N	65	65	0.79		mg/kg
JA61_110616-001	CAN97-8B-08	19	41	>	N	48	48	0.73		mg/kg
JA61_110616-001	CAN97-8B-04	64	21	>	N	46	46	0.84		mg/kg
JA61_110616-001	CAN97-8B-13	54	66	>	N	45	45	0.73		mg/kg
JA61_110616-001	CAN97-8B-11	24	56	>	N	43	43	0.76		mg/kg
JA61_110616-001	CAN97-8B-05	44	26	>	N	39	39	0.83		mg/kg
JA61_110616-001	CAN97-8B-09	29	46	>	N	34	34	0.76		mg/kg
JA61_110616-001	CAN97-8B-06	34	31	>	N	33	33	0.73		mg/kg
JA61_111017-020	CAN97-8B-07	59	36	>	N	30	30	0.89		mg/kg
JA61_111017-020	CAN97-8B-99		61	>	FD	27	25	0.85		mg/kg
SW7841 - Thallium		0								
Z2___121414-001	CAN97-10-01	14	2	<	N	0	0.12	0.47	J	mg/kg
Z2___121414-001	CAN97-11-04	19	16	<	N	0	0.077	0.48	J	mg/kg
Z2___121414-001	CAN97-11-05	29	21	<	N	0	0.05	0.5	J	mg/kg
Z2___121414-001	CAN97-11-07	54	31	<	N	0	0.039	0.48	J	mg/kg
Z2___121414-001	CAN97-11-12	6	56	<	N	0	0.034	0.43	J	mg/kg
Z2___121414-001	CAN97-15-06	6	8	<	N	0	0.15	0.41	J	mg/kg
Z2___121414-001	CAN97-17-99	6	8	<	FD	0	0.19	0.41	J	mg/kg
Z2___121414-001	CAN97-17-06	4	8	<	N	0	0.13	0.41	J	mg/kg
Z2___121414-001	CAN97-18-I	5	6	<	N	0	0.19	0.42	J	mg/kg
Z2___121414-001	CAN97-18-06	5	7	<	N	0	0.13	0.41	J	mg/kg
Z2___121414-001	CAN97-19-06	4	7	<	N	0	0.15	0.39	J	mg/kg
Z2___121414-001	CAN97-19-I	4	6	<	N	0	0.084	0.38	J	mg/kg
Z2___121414-001	CAN97-21-I	5	6	<	N	0	0.12	0.4	J	mg/kg
Z2___121414-001	CAN97-21-99		7	<	FD	0	0.04	0.4	J	mg/kg
SW6010 - Vanadium		4								
JA61_110713-020	CAN97-09-02	24	6	>	N	18	18	1.7		mg/kg
JA61_111017-020	CAN97-09-99	0	26	>	FD	17	17.5	1.7		mg/kg
JA61_110713-020	CAN97-09-01	19	2	>	N	17	17	1.6		mg/kg
JA61_110713-020	CAN97-09-05	49	21	>	N	15	15	1.6		mg/kg
JA61_110713-020	CAN97-09-11	9	53	>	N	15	15	1.6		mg/kg
JA61_110713-020	CAN97-09-03	44	11	>	N	14	14	1.7		mg/kg
JA61_110713-020	CAN97-09-10	29	46	>	N	14	14	1.6		mg/kg
JA61_110713-020	CAN97-09-07	39	31	>	N	13	13	1.6		mg/kg
JA61_110713-020	CAN97-09-09	14	41	>	N	12	12	1.7		mg/kg
JA61_110713-020	CAN97-09-04	34	16	>	N	11	11	1.6		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_110713-020	CAN97-09-08	54	36	>	N	11	11	1.6		mg/kg
JA61_110713-020	CAN97-09-12	59	56	>	N	9	9	1.4		mg/kg
JA61_110713-020	CAN97-09-13	24	61	>	N	6	6	1.5	@	mg/kg
JA61_102916-020	CAN97-10-06	19	26	>	N	23	23	1.8		mg/kg
JA61_102916-020	CAN97-10-99	19	21	>	FD	18	18	1.9		mg/kg
JA61_102916-020	CAN97-10-05	0	21	>	N	18	18	2		mg/kg
JA61_102916-020	CAN97-10-01	9	2	>	N	16	16	1.8		mg/kg
JA61_102916-020	CAN97-10-03	44	11	>	N	16	16	1.9		mg/kg
JA61_102916-020	CAN97-10-10	34	46	>	N	13	13	1.7		mg/kg
JA61_102916-020	CAN97-10-08	39	36	>	N	11	11	1.7		mg/kg
JA61_102916-020	CAN97-10-09	4	41	>	N	11	11	1.7		mg/kg
JA61_102916-020	CAN97-10-04	4	16	>	N	10	10	1.9		mg/kg
JA61_102916-020	CAN97-10-02	29	6	>	N	10	9.6	1.8		mg/kg
JA61_102916-020	CAN97-10-07	49	31	>	N	9	9.3	1.8		mg/kg
JA61_102916-020	CAN97-10-11	54	51	>	N	8	8.3	1.6		mg/kg
JA61_102916-020	CAN97-10-12	59	56	>	N	8	7.5	1.7	@	mg/kg
JA61_102916-020	CAN97-10-13	4	61	>	N	6	5.8	1.6	@	mg/kg
JA61_103011-001	CAN97-11-02	19	6	<	N	16	16	21	J	mg/kg
JA61_103011-001	CAN97-11-05	14	21	>	N	39	39	2		mg/kg
JA61_103011-001	CAN97-11-04	0	16	>	N	32	32	7.8	@	mg/kg
JA61_103011-001	CAN97-11-01	9	2	>	N	26	26	2		mg/kg
JA61_103011-001	CAN97-11-03	24	11	>	N	22	22	8.2	@	mg/kg
JA61_103011-001	CAN97-11-06	29	26	>	N	19	19	1.9		mg/kg
JA61_103011-001	CAN97-11-07	34	31	>	N	17	17	1.9		mg/kg
JA61_103011-001	CAN97-11-08	46	36	>	N	14	14	1.9		mg/kg
JA61_103011-001	CAN97-11-10	51	48	>	N	14	14	3.9	@	mg/kg
JA61_103011-001	CAN97-11-11	39	53	>	N	12	12	1.8		mg/kg
JA61_103011-001	CAN97-11-99	54	41	>	FD	12	11.5	1.9		mg/kg
JA61_103011-001	CAN97-11-12	59	56	>	N	9	9.4	1.7		mg/kg
JA61_103011-001	CAN97-11-13	0	61	>	N	6	5.8	1.6	@	mg/kg
JA61_111017-023	CAN97-12-S	4	2	>	N	29	29	1.5		mg/kg
JA61_110217-010	CAN97-12-I	5	6	>	N	22	22	1.7		mg/kg
JA61_110217-010	CAN97-12-06	0	7	>	N	17	17	1.8		mg/kg
JA61_111017-023	CAN97-13-99	4	2	>	FD	22	23	1.5		mg/kg
JA61_110217-010	CAN97-13-I	5	6	>	N	22	22	1.8		mg/kg
JA61_110217-010	CAN97-13-06	0	7	>	N	19	19	1.9		mg/kg
JA61_110608-001	CAN97-14-01	14	2	>	N	21	21	1.8		mg/kg
JA61_110608-001	CAN97-14-04	19	16	>	N	18	18	1.9		mg/kg
JA61_110608-001	CAN97-14-05	4	21	>	N	18	18	1.9		mg/kg
JA61_110608-001	CAN97-14-99	9	6	>	FD	15	15	1.9		mg/kg
JA61_110608-001	CAN97-14-03	29	11	>	N	12	12	1.9		mg/kg
JA61_110608-001	CAN97-14-07	44	31	>	N	11	11	1.8		mg/kg
JA61_110608-001	CAN97-14-10	24	46	>	N	11	11	1.8		mg/kg
JA61_110608-001	CAN97-14-06	59	26	>	N	10	10	1.9		mg/kg
JA61_110608-001	CAN97-14-13	39	61	>	N	10	10	1.6		mg/kg
JA61_110608-001	CAN97-14-09	54	41	>	N	10	9.7	1.7		mg/kg
JA61_110608-001	CAN97-14-12	49	56	>	N	10	9.5	1.7		mg/kg
JA61_110608-001	CAN97-14-11	34	51	>	N	9	8.6	1.8	@	mg/kg
JA61_110608-001	CAN97-14-08	6	36	>	N	7	7.4	1.7	@	mg/kg
JA61_111717-010	CAN97-15-06	4	8	>	N	27	27	1.6		mg/kg
JA61_111717-010	CAN97-15-I	0	6	>	N	24	24	1.6		mg/kg
JA61_111017-023	CAN97-15-S	0	2	>	N	22	22	1.5		mg/kg
JA61_111017-023	CAN97-16-S	4	2	>	N	25	25	1.5		mg/kg
JA61_110217-010	CAN97-16-I	5	6	>	N	24	24	1.8		mg/kg
JA61_110217-010	CAN97-16-06	4	7	>	N	24	24	1.8		mg/kg
JA61_111717-010	CAN97-17-I	6	6	>	N	25	25	1.7		mg/kg
JA61_111717-010	CAN97-17-99	0	8	>	FD	21	21	1.6		mg/kg
JA61_111017-023	CAN97-17-S	4	2	>	N	15	15	1.5		mg/kg
JA61_111717-010	CAN97-18-I	5	6	>	N	32	32	1.7		mg/kg
JA61_111717-010	CAN97-18-06	0	7	>	N	26	26	1.6		mg/kg
JA61_111017-023	CAN97-18-S	5	2	>	N	19	19	1.5		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_111717-010	CAN97-19-06	0	7	>	N	24	24	1.6		mg/kg
JA61_111017-023	CAN97-19-99	4	2	>	FD	22	22.5	1.5		mg/kg
JA61_111717-010	CAN97-19-I	4	6	>	N	19	19	1.5		mg/kg
JA61_110217-010	CAN97-20-I	7	6	>	N	27	27	1.8		mg/kg
JA61_110217-010	CAN97-20-06	0	9	>	N	21	21	1.8		mg/kg
JA61_111017-023	CAN97-20-S	5	2	>	N	20	20	1.5		mg/kg
JA61_111717-010	CAN97-21-99	4	7	>	FD	15	20.5	1.6		mg/kg
JA61_111717-010	CAN97-21-I	0	6	>	N	18	18	1.6		mg/kg
JA61_111017-023	CAN97-21-S	8	2	>	N	15	15	1.5		mg/kg
JA61_110810-001	CAN97-2A-06	0	10	>	N	23	23	1.5		mg/kg
JA61_110810-001	CAN97-2A-S	4	2	>	N	22	22	1.4		mg/kg
JA61_110810-001	CAN97-2A-I	0	6	>	N	19	19	1.4		mg/kg
JA61_110810-001	CAN97-2B-S	4	2	>	N	21	21	1.5		mg/kg
JA61_110810-001	CAN97-2B-99	8	6	>	FD	20	20.5	1.4		mg/kg
JA61_110810-001	CAN97-2B-06	8	10	>	N	15	15	1.4		mg/kg
JA61_110713-020	CAN97-3A-06	0	10	>	N	19	19	1.7		mg/kg
JA61_110713-020	CAN97-3A-S	4	2	>	N	17	17	1.8		mg/kg
JA61_110713-020	CAN97-3A-I	0	6	>	N	17	17	1.6		mg/kg
JA61_110616-001	CAN97-3B-S	4	2	>	N	26	26	1.6		mg/kg
JA61_110616-001	CAN97-3B-I	8	6	>	N	17	17	1.7		mg/kg
JA61_110616-001	CAN97-3B-06	18	10	>	N	12	12	1.6		mg/kg
JA61_111017-020	CAN97-3C-02	43	20	>	N	27	27	1.9		mg/kg
JA61_111017-020	CAN97-3C-07	12	45	>	N	23	23	1.9		mg/kg
JA61_111017-020	CAN97-3C-01	38	14	>	N	22	22	1.8		mg/kg
JA61_111017-020	CAN97-3C-99	48	40	>	FD	17	17.5	1.9		mg/kg
JA61_111017-020	CAN97-3C-08	53	50	>	N	17	17	1.8		mg/kg
JA61_111017-020	CAN97-3C-09	33	55	>	N	17	17	2		mg/kg
JA61_111017-020	CAN97-3C-05	28	35	>	N	15	15	1.9		mg/kg
JA61_111017-020	CAN97-3C-04	68	30	>	N	14	14	1.8		mg/kg
JA61_111017-020	CAN97-3C-12	71	70	>	N	14	14	1.8		mg/kg
JA61_111017-020	CAN97-3C-13	23	73	>	N	12	12	1.7		mg/kg
JA61_111017-020	CAN97-3C-03	63	25	>	N	11	11	1.8		mg/kg
JA61_111017-020	CAN97-3C-11	58	65	>	N	9	8.7	1.8	@	mg/kg
JA61_111017-020	CAN97-3C-10	0	60	>	N	8	8	1.8	@	mg/kg
JA61_102916-020	CAN97-4A-S	8	2	>	N	19	19	1.8		mg/kg
JA61_102916-020	CAN97-4A-06	4	10	>	N	17	17	1.9		mg/kg
JA61_102916-020	CAN97-4A-I	0	6	>	N	11	11	1.9		mg/kg
JA61_110616-001	CAN97-4B-S	8	2	>	N	19	19	1.6		mg/kg
JA61_110616-001	CAN97-4B-06	4	10	>	N	16	16	1.6		mg/kg
JA61_110616-001	CAN97-4B-I	0	6	>	N	12	12	1.6		mg/kg
JA61_110616-001	CAN97-8A-S	4	2	>	N	25	25	1.5		mg/kg
JA61_110810-001	CAN97-8A-I	8	6	>	N	17	17	1.6		mg/kg
JA61_110616-001	CAN97-8A-06	14	10	>	N	12	12	1.6		mg/kg
JA61_110616-001	CAN97-8B-03	9	16	>	N	19	19	1.6		mg/kg
JA61_110713-020	CAN97-8B-02	19	11	>	N	17	17	1.6		mg/kg
JA61_110616-001	CAN97-8B-04	4	21	>	N	17	17	1.7		mg/kg
JA61_110713-020	CAN97-8B-01	24	6	>	N	13	13	1.5		mg/kg
JA61_110616-001	CAN97-8B-05	49	26	>	N	13	13	1.7		mg/kg
JA61_110616-001	CAN97-8B-10	39	51	>	N	12	12	1.6		mg/kg
JA61_110616-001	CAN97-8B-08	44	41	>	N	11	11	1.5		mg/kg
JA61_110616-001	CAN97-8B-09	54	46	>	N	11	11	1.5		mg/kg
JA61_110616-001	CAN97-8B-11	64	56	>	N	11	11	1.5		mg/kg
JA61_110616-001	CAN97-8B-13	29	66	>	N	10	10	1.5		mg/kg
JA61_110616-001	CAN97-8B-06	34	31	>	N	9	9.3	1.5		mg/kg
JA61_111017-020	CAN97-8B-07	59	36	>	N	8	7.8	1.8	@	mg/kg
JA61_111017-020	CAN97-8B-99		61	>	FD	6	5.55	1.7	@	mg/kg
SW6010 - Zinc		0								
JA61_110713-020	CAN97-09-01	4	2	>	N	21	21	1.6		mg/kg
JA61_110713-020	CAN97-09-02	24	6	>	N	17	17	1.7		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_111017-020	CAN97-09-99	9	26	>	FD	15	14.5	1.7		mg/kg
JA61_110713-020	CAN97-09-03	14	11	>	N	14	14	1.7		mg/kg
JA61_110713-020	CAN97-09-04	29	16	>	N	11	11	1.6		mg/kg
JA61_110713-020	CAN97-09-07	34	31	>	N	11	11	1.6		mg/kg
JA61_110713-020	CAN97-09-08	44	36	>	N	9	8.6	1.6		mg/kg
JA61_110713-020	CAN97-09-10	19	46	>	N	8	7.9	1.6	@	mg/kg
JA61_110713-020	CAN97-09-05	49	21	>	N	7	7.3	1.6	@	mg/kg
JA61_110713-020	CAN97-09-11	39	53	>	N	7	7.3	1.6	@	mg/kg
JA61_110713-020	CAN97-09-09	54	41	>	N	7	7	1.7	@	mg/kg
JA61_110713-020	CAN97-09-12	59	56	>	N	5	5.1	1.4	@	mg/kg
JA61_110713-020	CAN97-09-13	0	61	>	N	5	4.5	1.5	@	mg/kg
JA61_102916-020	CAN97-10-01	9	2	>	N	22	22	1.8		mg/kg
JA61_102916-020	CAN97-10-03	24	11	>	N	15	15	1.9		mg/kg
JA61_102916-020	CAN97-10-06	4	26	>	N	12	12	1.8		mg/kg
JA61_102916-020	CAN97-10-02	4	6	>	N	9	9.3	1.8		mg/kg
JA61_102916-020	CAN97-10-04	19	16	>	N	9	9.3	1.9	@	mg/kg
JA61_102916-020	CAN97-10-99	39	21	>	FD	8	7.85	1.9	@	mg/kg
JA61_102916-020	CAN97-10-09	29	41	>	N	7	7	1.7	@	mg/kg
JA61_102916-020	CAN97-10-07	34	31	>	N	7	6.9	1.8	@	mg/kg
JA61_102916-020	CAN97-10-08	44	36	>	N	7	6.8	1.7	@	mg/kg
JA61_102916-020	CAN97-10-10	54	46	>	N	7	6.5	1.7	@	mg/kg
JA61_102916-020	CAN97-10-12	49	56	>	N	4	4.3	1.7	@	mg/kg
JA61_102916-020	CAN97-10-11	59	51	>	N	4	4.1	1.6	@	mg/kg
JA61_102916-020	CAN97-10-13	4	61	>	N	4	3.9	1.6	@	mg/kg
JA61_103011-001	CAN97-11-02	0	6	<	N	10	10	21	J	mg/kg
JA61_103011-001	CAN97-11-01	19	2	>	N	34	34	2		mg/kg
JA61_103011-001	CAN97-11-05	9	21	>	N	29	29	2		mg/kg
JA61_103011-001	CAN97-11-03	14	11	>	N	23	23	8.2	@	mg/kg
JA61_103011-001	CAN97-11-04	29	16	>	N	23	23	7.8	@	mg/kg
JA61_103011-001	CAN97-11-07	24	31	>	N	14	14	1.9		mg/kg
JA61_103011-001	CAN97-11-06	46	26	>	N	13	13	1.9		mg/kg
JA61_103011-001	CAN97-11-10	34	48	>	N	8	7.9	3.9	@	mg/kg
JA61_103011-001	CAN97-11-08	39	36	>	N	8	7.8	1.9	@	mg/kg
JA61_103011-001	CAN97-11-99	51	41	>	FD	7	7.2	1.9	@	mg/kg
JA61_103011-001	CAN97-11-11	54	53	>	N	6	5.5	1.8	@	mg/kg
JA61_103011-001	CAN97-11-12	59	56	>	N	5	4.8	1.7	@	mg/kg
JA61_103011-001	CAN97-11-13	0	61	>	N	4	3.6	1.6	@	mg/kg
JA61_111017-023	CAN97-12-S	4	2	>	N	31	31	1.5		mg/kg
JA61_110217-010	CAN97-12-I	5	6	>	N	27	27	1.7		mg/kg
JA61_110217-010	CAN97-12-06	0	7	>	N	18	18	7.8	@	mg/kg
JA61_111017-023	CAN97-13-99	4	2	>	FD	27	27.5	1.5		mg/kg
JA61_110217-010	CAN97-13-I	5	6	>	N	26	26	1.8		mg/kg
JA61_110217-010	CAN97-13-06	0	7	>	N	20	20	7.7	@	mg/kg
JA61_110608-001	CAN97-14-01	4	2	>	N	26	26	1.8		mg/kg
JA61_110608-001	CAN97-14-99	9	6	>	FD	12	12.5	1.9		mg/kg
JA61_110608-001	CAN97-14-03	19	11	>	N	11	11	1.9		mg/kg
JA61_110608-001	CAN97-14-05	29	21	>	N	10	9.5	1.9		mg/kg
JA61_110608-001	CAN97-14-07	44	31	>	N	9	9.2	1.8		mg/kg
JA61_110608-001	CAN97-14-10	24	46	>	N	9	9.1	1.8		mg/kg
JA61_110608-001	CAN97-14-06	59	26	>	N	9	8.8	1.9	@	mg/kg
JA61_110608-001	CAN97-14-13	39	61	>	N	8	7.9	1.6	@	mg/kg
JA61_110608-001	CAN97-14-09	54	41	>	N	8	7.6	1.7	@	mg/kg
JA61_110608-001	CAN97-14-12	34	56	>	N	7	7.1	1.7	@	mg/kg
JA61_110608-001	CAN97-14-08	14	36	>	N	6	6.4	1.7	@	mg/kg
JA61_110608-001	CAN97-14-04	49	16	>	N	6	5.8	1.9	@	mg/kg
JA61_110608-001	CAN97-14-11	0	51	>	N	6	5.7	1.8	@	mg/kg
JA61_111017-023	CAN97-15-S	4	2	>	N	36	36	1.5		mg/kg
JA61_111717-010	CAN97-15-I	6	6	>	N	27	27	1.6		mg/kg
JA61_111717-010	CAN97-15-06	0	8	>	N	18	18	1.6		mg/kg
JA61_111017-023	CAN97-16-S	4	2	>	N	33	33	1.5		mg/kg
JA61_110217-010	CAN97-16-99	5	6	>	FD	29	29.5	1.8		mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_110217-010	CAN97-16-06	4	7	>	N	22	22	7.1	@	mg/kg
JA61_111717-010	CAN97-17-I	6	6	>	N	28	28	1.7		mg/kg
JA61_111717-010	CAN97-17-99	0	8	>	FD	17	17.5	1.6		mg/kg
JA61_111017-023	CAN97-17-S	4	2	>	N	11	11	1.5		mg/kg
JA61_111717-010	CAN97-18-I	0	6	>	N	35	35	1.7		mg/kg
JA61_111017-023	CAN97-18-S	5	2	>	N	26	26	1.5		mg/kg
JA61_111717-010	CAN97-18-06	0	7	>	N	19	19	1.6		mg/kg
JA61_111017-023	CAN97-19-99	4	2	>	FD	16	73	1.5		mg/kg
JA61_111717-010	CAN97-19-I	5	6	>	N	33	33	1.5		mg/kg
JA61_111717-010	CAN97-19-06	0	7	>	N	28	28	1.6		mg/kg
JA61_111017-023	CAN97-20-S	4	2	>	N	63	63	1.5		mg/kg
JA61_110217-010	CAN97-20-I	7	6	>	N	32	32	1.8		mg/kg
JA61_110217-010	CAN97-20-06	5	9	>	N	24	24	1.8		mg/kg
JA61_111717-010	CAN97-21-99	0	7	>	FD	14	20.5	1.6		mg/kg
JA61_111017-023	CAN97-21-S	4	2	>	N	17	17	1.5		mg/kg
JA61_111717-010	CAN97-21-I	0	6	>	N	16	16	1.6		mg/kg
JA61_110810-001	CAN97-2A-S	4	2	>	N	23	23	1.4		mg/kg
JA61_110810-001	CAN97-2A-I	8	6	>	N	21	21	1.4		mg/kg
JA61_110810-001	CAN97-2A-06	0	10	>	N	20	20	1.5		mg/kg
JA61_110810-001	CAN97-2B-S	4	2	>	N	22	22	1.5		mg/kg
JA61_110810-001	CAN97-2B-99	8	6	>	FD	20	20	1.4		mg/kg
JA61_110810-001	CAN97-2B-06	8	10	>	N	14	14	1.4		mg/kg
JA61_110713-020	CAN97-3A-06	4	10	>	N	22	22	1.7		mg/kg
JA61_110713-020	CAN97-3A-I	0	6	>	N	19	19	1.6		mg/kg
JA61_110713-020	CAN97-3A-S	0	2	>	N	17	17	1.8		mg/kg
JA61_110616-001	CAN97-3B-S	4	2	>	N	23	23	1.6		mg/kg
JA61_110616-001	CAN97-3B-I	8	6	>	N	20	20	1.7		mg/kg
JA61_110616-001	CAN97-3B-06	12	10	>	N	16	16	1.6		mg/kg
JA61_111017-020	CAN97-3C-01	18	14	>	N	28	28	1.8		mg/kg
JA61_111017-020	CAN97-3C-02	28	20	>	N	24	24	1.9		mg/kg
JA61_111017-020	CAN97-3C-04	23	30	>	N	18	18	1.8		mg/kg
JA61_111017-020	CAN97-3C-03	43	25	>	N	14	14	1.8		mg/kg
JA61_111017-020	CAN97-3C-07	48	45	>	N	14	14	1.9		mg/kg
JA61_111017-020	CAN97-3C-08	33	50	>	N	11	11	1.8		mg/kg
JA61_111017-020	CAN97-3C-05	68	35	>	N	10	9.7	1.9		mg/kg
JA61_111017-020	CAN97-3C-12	71	70	>	N	9	8.6	1.8	@	mg/kg
JA61_111017-020	CAN97-3C-13	38	73	>	N	8	7.8	1.7	@	mg/kg
JA61_111017-020	CAN97-3C-99	63	40	>	FD	6	6.75	1.9	@	mg/kg
JA61_111017-020	CAN97-3C-11	53	65	>	N	5	4.8	1.8	@	mg/kg
JA61_111017-020	CAN97-3C-09	58	55	>	N	5	4.7	2	@	mg/kg
JA61_111017-020	CAN97-3C-10	0	60	>	N	4	4.3	1.8	@	mg/kg
JA61_102916-020	CAN97-4A-99	8	2	>	FD	20	19.5	1.7		mg/kg
JA61_102916-020	CAN97-4A-06	4	10	>	N	15	15	1.9		mg/kg
JA61_102916-020	CAN97-4A-I	0	6	>	N	10	9.7	1.9		mg/kg
JA61_110616-001	CAN97-4B-S	8	2	>	N	24	24	1.6		mg/kg
JA61_110616-001	CAN97-4B-06	4	10	>	N	15	15	1.6		mg/kg
JA61_110616-001	CAN97-4B-I	0	6	>	N	13	13	1.6		mg/kg
JA61_110616-001	CAN97-8A-S	4	2	>	N	53	53	1.5		mg/kg
JA61_110810-001	CAN97-8A-I	8	6	>	N	17	17	1.6		mg/kg
JA61_110616-001	CAN97-8A-06	4	10	>	N	15	15	1.6		mg/kg
JA61_110713-020	CAN97-8B-01	14	6	>	N	85	85	1.5		mg/kg
JA61_110616-001	CAN97-8B-03	9	16	>	N	21	21	1.6		mg/kg
JA61_110713-020	CAN97-8B-02	19	11	>	N	19	19	1.6		mg/kg
JA61_110616-001	CAN97-8B-04	24	21	>	N	13	13	1.7		mg/kg
JA61_110616-001	CAN97-8B-05	39	26	>	N	9	9.3	1.7		mg/kg
JA61_110616-001	CAN97-8B-08	29	41	>	N	9	8.8	1.5		mg/kg
JA61_110616-001	CAN97-8B-06	49	31	>	N	9	8.6	1.5		mg/kg
JA61_110616-001	CAN97-8B-10	44	51	>	N	8	8.2	1.6		mg/kg
JA61_110616-001	CAN97-8B-09	64	46	>	N	8	7.5	1.5		mg/kg
JA61_110616-001	CAN97-8B-13	34	66	>	N	7	6.9	1.5	@	mg/kg
JA61_111017-020	CAN97-8B-07	54	36	>	N	6	6.4	1.8	@	mg/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
JA61_110616-001	CAN97-8B-11	59	56	>	N	6	6.3	1.5	@	mg/kg
JA61_111017-020	CAN97-8B-99		61	>	FD	4	5.05	1.7	@	mg/kg

GC - Gas Chromatograph #
JA - Jerald Ashe machine (metals by ICPE)
PEIR - Petroleum Extractables by Infra Red
TP - Total Petroleum Extracts
MSD - Mass Spectrometry

APPENDIX H Section 2:

Samples Eliminated Due to Blank Contamination

Appendix H. Section 2: Samples Eliminated Due to Blank Contamination

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
SW8150 - 2,4-DB										
GC592110312-5	CAN97-ER-01			>	EB	2.6	13	0.91	G@	ug/L
GC592111212-7	CAN97-21-S	0	2	<	N	12	12	30	J	ug/kg
GC592111712-7	CAN97-17-I	4	6	<	N	9.4	9.4	33	J	ug/kg
GC592111712-7	CAN97-19-06	5	7	<	N	5.6	5.6	32	J	ug/kg
GC592111712-7	CAN97-20-I	4	6	<	N	4.8	4.8	33	J	ug/kg
SW8080 - 4,4'-DDD										
GC792102512-15	CAN97-ER-03			>	EB	0.025	0.125	0.01	@	ug/L
GC792111212-15	CAN97-10-99	19	21	>	FD	0.46	0.46	0.38	GB@	ug/kg
GC792111212-15	METHOD BLANK			>	MB	0.4	2	0.33	G@	ug/kg
GC792111212-15	CAN97-10-02	4	6	>	N	0.43	0.43	0.37	GB@	ug/kg
GC792111212-15	CAN97-10-04	4	16	>	N	0.4	0.4	0.37	GB@	ug/kg
GC792111212-15	CAN97-10-07	29	31	>	N	0.39	0.39	0.35	B@	ug/kg
GC792111212-15	CAN97-10-08	34	36	>	N	0.39	0.39	0.36	GB@	ug/kg
GC792111212-15	CAN97-10-09	39	41	>	N	0.38	0.38	0.35	B@	ug/kg
GC792111212-15	CAN97-10-10	44	46	>	N	0.38	0.38	0.36	GB@	ug/kg
GC792111212-15	CAN97-10-11	49	51	>	N	0.4	0.4	0.35	GB@	ug/kg
GC792111212-15	CAN97-10-12	54	56	>	N	0.44	0.44	0.35	GB@	ug/kg
GC792111212-15	CAN97-10-13	59	61	>	N	0.4	0.4	0.34	GB@	ug/kg
GC792111212-15	CAN97-4A-06	8	10	>	N	0.41	0.41	0.36	GB@	ug/kg
GC792111212-15	CAN97-4A-I	4	6	>	N	0.39	0.39	0.36	GB@	ug/kg
GC792111212-15	CAN97-4A-S	0	2	>	N	0.43	0.43	0.35	GB@	ug/kg
SW8080 - 4,4'-DDE										
GC192110413-13	METHOD BLANK			<	MB	0.21	1.05	0.33	J	ug/kg
GC192110413-13	CAN97-2A-I	4	6	>	N	1	1	0.37	@	ug/kg
SW8080 - 4,4'-DDT										
GC792102712-15	METHOD BLANK			<	MB	0.64	3.2	0.67	J	ug/kg
GC792102712-15	CAN97-11-01	0	2	>	N	13	13	7.4	@	ug/kg
GC792102712-15	CAN97-11-04	14	16	>	N	0.95	0.95	0.78	@	ug/kg
GC792102712-15	CAN97-11-07	29	31	>	N	0.92	0.92	0.72	@	ug/kg
GC792102712-15	CAN97-11-08	34	36	<	N	0.69	0.69	0.74	J	ug/kg
GC792102712-15	CAN97-11-10	46	48	>	N	1	1	0.76	@	ug/kg
GC792102712-15	CAN97-11-11	51	53	>	N	0.82	0.82	0.71	@	ug/kg
GC792110912-15	METHOD BLANK			<	MB	0.43	2.15	0.67	J	ug/kg
GC792110912-15	CAN97-8A-06	8	10	<	N	0.62	0.62	0.74	J	ug/kg
GC792110912-15	CAN97-8B-03	14	16	>	N	0.97	0.97	0.73	@	ug/kg
GC792110912-15	CAN97-8B-04	19	21	<	N	0.55	0.55	0.73	J	ug/kg
GC792110912-15	CAN97-8B-05	24	26	<	N	0.34	0.34	0.74	J	ug/kg
SW8240 - Acetone										
450392101508460	CAN97-8A-I	4	6	>	N	150	150	110	@	ug/kg
450392101608360	CAN97-3C-01	12	14	<	N	14	14	110	J	ug/kg
450392101608360	CAN97-TB-10			<	TB	55	275	100	J	ug/L
450392101909530	CAN97-09-08	34	36	<	N	16	16	110	J	ug/kg
450392101909530	CAN97-4A-I	4	6	>	N	780	780	110		ug/kg
450392101909530	CAN97-8B-02	9	11	<	N	83	83	110	J	ug/kg
450392102208550	CAN97-16-S	0	2	>	N	120	120	100	@	ug/kg
450392102208550	CAN97-TB-25			<	TB	51	255	100	J	ug/L
450392102208550	CAN97-TB-26			<	TB	25	125	100	J	ug/L
450392102208550	CAN97-TB-27			<	TB	30	150	100	J	ug/L
450492100808580	CAN97-TB-05			<	TB	22	110	100	J	ug/L
450492100808580	CAN97-TB-06			<	TB	15	75	100	J	ug/L
450492100808580	CAN97-TB-07			<	TB	20	100	100	J	ug/L
450492100808580	CAN97-TB-08			<	TB	27	135	100	J	ug/L

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492101208290	CAN97-09-09	39	41	<	N	10	10	110	J	ug/kg
450492101208290	CAN97-3A-06	8	10	<	N	100	100	110	J	ug/kg
450492101208290	CAN97-TB-11			<	TB	18	90	100	J	ug/L
450492101509400	CAN97-10-10	44	46	<	N	97	97	110	J	ug/kg
450492101609490	CAN97-2A-I	4	6	>	N	180	180	110	@	ug/kg
450492101609490	CAN97-2B-I	4	6	<	N	38	38	110	J	ug/kg
450492101609490	CAN97-TB-18			<	TB	8.7	43.5	100	J	ug/L
450492101609490	CAN97-TB-19			<	TB	24	120	100	J	ug/L
450492101609490	CAN97-TB-20			<	TB	15	75	100	J	ug/L
450492101609490	CAN97-TB-21			<	TB	25	125	100	J	ug/L
450492101609490	CAN97-TB-22			<	TB	32	160	100	J	ug/L
450492101609490	CAN97-TB-24			<	TB	21	105	100	J	ug/L
450492101913540	CAN97-13-99	0	2	<	FD	34	34	100	J	ug/kg
450492101913540	CAN97-19-99	0	2	<	FD	16	16	100	J	ug/kg
450492101913540	METHOD BLANK			<	MB	17	85	100	J	ug/kg
450492101913540	CAN97-17-S	0	2	<	N	30	30	100	J	ug/kg
450492101913540	CAN97-20-S	0	2	<	N	31	31	100	J	ug/kg
450492101913540	CAN97-TB-28			<	TB	17	85	100	J	ug/L
450492102009440	CAN97-13-06	5	7	<	N	12	12	110	J	ug/kg
450492102009440	CAN97-TB-31			<	TB	19	95	100	J	ug/L
SW8270 - Acetophenone										
MSD292103008070	METHOD BLANK			<	MB	0.036	0.18	0.33	J	ug/g
MSD292103008070	CAN97-2A-S	0	2	<	N	0.036	0.036	0.36	J	ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.054	0.054	0.35	J	ug/g
MSD292110908160	CAN97-19-99	0	2	<	FD	0.024	0.024	0.34	JB	ug/g
MSD292110908160	METHOD BLANK			<	MB	0.03	0.15	0.33	J	ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.051	0.051	0.33	J	ug/g
MSD292110908160	CAN97-19-S	0	2	<	N	0.023	0.023	0.33	JB	ug/g
SW8270 - Benzoic acid										
MSD192101308540	CAN97-ER-01			<	EB	2.9	14.5	51	J	ug/L
MSD292101308230	CAN97-ER-02			<	EB	10	50	52	J	ug/L
MSD292101408170	CAN97-11-04	14	16	<	N	0.045	0.045	1.9	J	ug/g
MSD292110908160	METHOD BLANK			<	MB	0.046	0.23	1.7	J	ug/g
MSD292110908160	CAN97-13-S	0	2	<	N	0.087	0.087	1.7	JB	ug/g
MSD292110908160	CAN97-17-S	0	2	<	N	0.068	0.068	1.7	J	ug/g
SW8270 - bis(2-Ethylhexyl)phthalate										
MSD192101208570	METHOD BLANK			<	MB	0.068	0.68	0.33	J	ug/g
MSD192101208570	CAN97-14-01	0	2	<	N	0.042	0.042	0.36	JB	ug/g
MSD192101208570	CAN97-14-05	19	21	<	N	0.075	0.075	0.38	JB	ug/g
MSD192101208570	CAN97-14-07	29	31	<	N	0.035	0.035	0.36	JB	ug/g
MSD192101208570	CAN97-14-13	59	61	<	N	0.078	0.078	0.35	JB	ug/g
MSD192101308540	CAN97-ER-01			<	EB	0.93	9.3	10	J	ug/L
MSD192101609100	CAN97-ER-03			<	EB	0.9	9	10	J	ug/L
MSD192101908540	METHOD BLANK			<	MB	0.018	0.18	0.33	J	ug/g
MSD192101908540	CAN97-09-02	4	6	<	N	0.06	0.06	0.37	JB	ug/g
MSD192101908540	CAN97-09-09	39	41	<	N	0.035	0.035	0.35	JB	ug/g
MSD192101908540	CAN97-3A-S	0	2	<	N	6.8	6.8	12	JB	ug/g
MSD192101908540	CAN97-8B-02	9	11	<	N	0.079	0.079	0.36	JB	ug/g
MSD192102713000	METHOD BLANK			<	MB	0.093	0.93	0.33	J	ug/g
MSD292101208180	METHOD BLANK			<	MB	0.13	1.3	0.33	J	ug/g
MSD292101208180	CAN97-11-03	9	11	<	N	0.15	0.15	0.38	JB	ug/g
MSD292101308230	CAN97-ER-02			>	EB	14	140	10	@	ug/L
MSD292110908160	CAN97-19-99	0	2	<	FD	0.026	0.026	0.34	JB	ug/g
MSD292110908160	METHOD BLANK			<	MB	0.08	0.8	0.33	J	ug/g
MSD292110908160	CAN97-12-I	4	6	<	N	0.011	0.011	0.35	J	ug/g

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
MSD292110908160	CAN97-15-S	0	2	<	N	0.12	0.12	0.34	JB	ug/g
MSD292110908160	CAN97-16-S	0	2	<	N	0.059	0.059	0.34	JB	ug/g
MSD292110908160	CAN97-17-S	0	2	>	N	1.3	1.3	0.33	@	ug/g
MSD292110908160	CAN97-19-S	0	2	<	N	0.048	0.048	0.33	JB	ug/g
MSD292110908160	CAN97-20-S	0	2	<	N	0.02	0.02	0.34	JB	ug/g
SW8080 - delta-BHC										
GC192110413-13	CAN97-2A-06	8	10	>	N	0.68	0.68	0.36	G@	ug/kg
GC192111712-15	METHOD BLANK			>	MB	0.38	1.9	0.33	G@	ug/kg
GC192111712-15	CAN97-09-02	4	6	>	N	0.51	0.51	0.37	G@	ug/kg
GC192111712-15	CAN97-09-10	44	46	>	N	0.41	0.41	0.36	G@	ug/kg
GC192111712-15	CAN97-8B-01	4	6	>	N	0.42	0.42	0.36	@	ug/kg
GC492111812-14	CAN97-ER-02			>	EB	0.015	0.075	0.01	@	ug/L
GC492111812-14	CAN97-ER-05			>	EB	0.016	0.08	0.01	@	ug/L
SW8150 - Dichloroprop										
GC592110512-7	CAN97-11-99	39	41	<	FD	4.2	4.2	23	J	ug/kg
GC592110512-7	METHOD BLANK			<	MB	4.5	22.5	22	J	ug/kg
GC592110512-7	METHOD BLANK			<	MB	7.7	38.5	22	J	ug/kg
GC592110512-7	CAN97-09-07	29	31	<	N	12	12	23	J	ug/kg
GC592110512-7	CAN97-09-09	39	41	<	N	14	14	23	J	ug/kg
GC592110512-7	CAN97-10-03	9	11	<	N	3.2	3.2	23	J	ug/kg
GC592110512-7	CAN97-10-06	24	26	<	N	4.6	4.6	24	J	ug/kg
GC592110512-7	CAN97-11-02	4	6	<	N	6.6	6.6	25	J	ug/kg
GC592110512-7	CAN97-11-04	14	16	<	N	3.7	3.7	25	J	ug/kg
GC592110512-7	CAN97-11-09	39	41	<	N	3.3	3.3	23	J	ug/kg
GC592110512-7	CAN97-14-02	4	6	<	N	3.8	3.8	23	J	ug/kg
GC592110512-7	CAN97-14-06	24	26	<	N	4.2	4.2	23	J	ug/kg
GC592110512-7	CAN97-14-08	34	36	<	N	3.9	3.9	22	J	ug/kg
GC592110512-7	CAN97-2B-S	0	2	<	N	4	4	23	J	ug/kg
GC592110512-7	CAN97-3A-06	8	10	<	N	21	21	24	J	ug/kg
GC592110512-7	CAN97-3A-I	4	6	<	N	17	17	24	J	ug/kg
GC592110512-7	CAN97-4B-I	4	6	<	N	2.8	2.8	23	J	ug/kg
GC592110512-7	CAN97-8B-03	14	16	<	N	3.2	3.2	24	J	ug/kg
GC592110512-7	CAN97-8B-04	19	21	<	N	5.6	5.6	24	J	ug/kg
GC592110512-7	CAN97-8B-11	54	56	<	N	4.7	4.7	23	J	ug/kg
GC592111212-7	CAN97-ER-07			>	EB	18	90	0.7	G	ug/L
GC592111212-7	CAN97-15-S	0	2	<	N	17	17	22	J	ug/kg
GC592111212-7	CAN97-3C-01	12	14	>	N	49	49	24	G@	ug/kg
GC592111712-7	CAN97-16-06	5	7	<	N	11	11	24	J	ug/kg
GC592111712-7	CAN97-17-I	4	6	<	N	18	18	24	J	ug/kg
GC592111712-7	CAN97-19-06	5	7	<	N	16	16	23	J	ug/kg
SW8015 - Diesel (2)										
TP-M101213-001	CAN97-ER-01			>	EB	73	365	46	GB@	ug/L
TP-M101213-001	METHOD BLANK			>	MB	69	345	50	G@	ug/L
TP-M101412-001	CAN97-11-99	39	41	>	FD	6400	6400	5300	GB@	ug/kg
TP-M101412-001	METHOD BLANK			>	MB	3900	19500	2500	G@	ug/kg
TP-M101412-001	CAN97-11-02	4	6	>	N	12000	12000	5900	GB	ug/kg
TP-M101412-001	CAN97-11-04	14	16	>	N	13000	13000	5800	GB@	ug/kg
TP-M101412-001	CAN97-11-09	39	41	>	N	7600	7600	5300	GB@	ug/kg
TP-M101412-001	CAN97-14-02	4	6	>	N	8700	8700	5400	GB@	ug/kg
TP-M101412-001	CAN97-14-06	24	26	>	N	9400	9400	5200	GB@	ug/kg
TP-M101412-001	CAN97-14-08	34	36	>	N	6900	6900	5200	GB@	ug/kg
TP-M101412-001	CAN97-BG-08	34	36	>	N	6200	6200	2600	GB@	ug/kg
TP-M101514-001	METHOD BLANK			>	MB	6600	33000	5000	G@	ug/kg
TP-M101515-001	CAN97-14-99	4	6	>	FD	5800	5800	5400	GB@	ug/kg
TP-M110211-001	METHOD BLANK			<	MB	4200	4200	5000	J	ug/kg

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
TP-M110211-001	CAN97-2A-I	4	6	<	N	5400	5400	5500	J	ug/kg
TP-M110211-001	CAN97-8A-I	4	6	<	N	4300	4300	5500	J	ug/kg
TP-M110310-001	METHOD BLANK			>	MB	5800	29000	5000	G@	ug/kg
TP-M110310-001	CAN97-09-03	9	11	>	N	6800	6800	5200	GB@	ug/kg
TP-M110310-001	CAN97-09-07	29	31	>	N	6100	6100	5400	GB@	ug/kg
TP-M110310-001	CAN97-09-09	39	41	<	N	5000	5000	5300	J	ug/kg
TP-M110310-001	CAN97-10-03	9	11	>	N	7700	7700	5400	GB@	ug/kg
TP-M110310-001	CAN97-10-06	24	26	<	N	5200	5200	5600	J	ug/kg
TP-M110310-001	CAN97-10-08	34	36	>	N	8600	8600	5300	GB@	ug/kg
TP-M110310-001	CAN97-3A-06	8	10	<	N	5400	5400	5500	J	ug/kg
TP-M110310-001	CAN97-3A-I	4	6	<	N	4800	4800	5600	J	ug/kg
TP-M110310-001	CAN97-3A-S	0	2	<	N	5300	5300	5600	J	ug/kg
TP-M110310-001	CAN97-3B-S	0	2	>	N	6900	6900	5700	GB@	ug/kg
TP-M110310-001	CAN97-4A-I	4	6	<	N	3700	3700	5400	J	ug/kg
TP-M110310-001	CAN97-4B-I	4	6	>	N	7200	7200	5400	GB@	ug/kg
TP-M110310-001	CAN97-8B-03	14	16	>	N	18000	18000	5300	GB@	ug/kg
TP-M110310-001	CAN97-8B-04	19	21	>	N	7100	7100	5500	GB@	ug/kg
TP-M110310-001	CAN97-8B-11	54	56	>	N	7200	7200	5300	GB@	ug/kg
TP-M111613-001	CAN97-3C-99	38	40	>	FD	24000	120000	5600	GB@	ug/kg
TP-M111613-001	METHOD BLANK			>	MB	13000	65000	5000	G@	ug/kg
TP-M111613-001	CAN97-18-S	0	2	>	N	17000	17000	5300	GB@	ug/kg
TP-M111613-001	CAN97-21-S	0	2	>	N	33000	33000	5100	GB	ug/kg
TP-M111613-001	CAN97-3C-01	12	14	>	N	44000	44000	5100	GB	ug/kg
TP-M111613-001	CAN97-3C-04	28	30	>	N	16000	16000	5500	GB@	ug/kg
TP-M111613-001	CAN97-3C-06	38	40	>	N	19000	19000	5600	GB@	ug/kg
TP-M111613-001	CAN97-8B-07	34	36	>	N	21000	21000	5300	GB@	ug/kg
TP-M111712-001	CAN97-ER-07			>	EB	140	700	52	GB@	ug/L
TP-M111712-001	METHOD BLANK			>	MB	270	1350	50	G	ug/L
TP-M111712-001	METHOD BLANK			>	MB	15000	75000	5000	@	ug/kg
TP-M111712-001	CAN97-12-06	5	7	>	N	21000	21000	4900	GB@	ug/kg
TP-M111712-001	CAN97-13-I	4	6	>	N	18000	18000	5400	GB@	ug/kg
TP-M111712-001	CAN97-16-06	5	7	>	N	15000	15000	5400	GB@	ug/kg
TP-M111712-001	CAN97-17-I	4	6	>	N	13000	13000	5400	GB@	ug/kg
TP-M111712-001	CAN97-20-I	4	6	>	N	19000	19000	5000	GB@	ug/kg
SW8080 - Endosulfan Sulfate										
GC492111812-14	CAN97-ER-07			<	EB	0.036	0.18	0.052	J	ug/L
GC492112412-14	METHOD BLANK			>	MB	2.2	11	1.7	G@	ug/kg
GC792110912-15	METHOD BLANK			<	MB	0.045	0.225	1.7	J	ug/kg
GC792110912-15	CAN97-3B-I	4	6	<	N	0.078	0.078	1.9	J	ug/kg
GC792110912-15	CAN97-8B-10	49	51	<	N	0.09	0.09	1.8	J	ug/kg
GC792111212-15	CAN97-10-12	54	56	<	N	0.073	0.073	1.7	J	ug/kg
SW8080 - Endrin										
GC192110413-13	METHOD BLANK			<	MB	0.28	1.4	0.33	J	ug/kg
GC192111712-15	CAN97-09-10	44	46	<	N	0.022	0.022	0.36	J	ug/kg
GC792102512-15	CAN97-ER-03			>	EB	0.018	0.09	0.01	@	ug/L
GC792110912-15	METHOD BLANK			<	MB	0.11	0.55	0.33	J	ug/kg
GC792110912-15	CAN97-4B-06	8	10	<	N	0.13	0.13	0.36	J	ug/kg
GC792110912-15	CAN97-8B-03	14	16	<	N	0.28	0.28	0.37	J	ug/kg
GC792110912-15	CAN97-8B-04	19	21	<	N	0.13	0.13	0.37	J	ug/kg
GC792110912-15	CAN97-8B-05	24	26	<	N	0.11	0.11	0.37	J	ug/kg
GC792110912-15	CAN97-8B-10	49	51	<	N	0.11	0.11	0.36	J	ug/kg
GC792110912-15	CAN97-8B-11	54	56	<	N	0.1	0.1	0.35	J	ug/kg
GC792110912-15	CAN97-8B-13	64	66	<	N	0.12	0.12	0.35	J	ug/kg
GC792111912-15	METHOD BLANK			<	MB	0.11	0.55	0.33	J	ug/kg

SW8080 -- gamma-BHC

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
GC192110413-13	CAN97-2B-99	4	6	<	FD	0.34	0.34	0.36	J	ug/kg
GC192110413-13	METHOD BLANK			>	MB	0.79	3.95	0.33	@	ug/kg
GC192110413-13	CAN97-2A-I	4	6	<	N	0.33	0.33	0.37	J	ug/kg
GC192110413-13	CAN97-2B-06	8	10	>	N	0.46	0.46	0.36	GB@	ug/kg
GC192110413-13	CAN97-2B-I	4	6	<	N	0.33	0.33	0.36	J	ug/kg
GC192110413-13	CAN97-8A-I	4	6	<	N	0.36	0.36	0.37	J	ug/kg
GC192111712-15	METHOD BLANK			<	MB	0.31	1.55	0.33	J	ug/kg
GC192111712-15	CAN97-09-10	44	46	<	N	0.28	0.28	0.36	J	ug/kg
GC492111812-14	CAN97-ER-07				EB	0.01	0.05	0.01	@	ug/L
GC792101312-14	CAN97-ER-01			<	EB	0.0054	0.027	0.0097	J	ug/L
SW8080 - Heptachlor										
GC192110413-13	METHOD BLANK			>	MB	0.34	1.7	0.33	G@	ug/kg
GC792102512-15	CAN97-ER-03			>	EB	0.078	0.39	0.01	G	ug/L
GC792110912-15	METHOD BLANK			<	MB	0.038	0.19	0.33	J	ug/kg
GC792110912-15	CAN97-3B-06	8	10	<	N	0.1	0.1	0.38	J	ug/kg
GC792110912-15	CAN97-4B-06	8	10	<	N	0.057	0.057	0.36	J	ug/kg
GC792110912-15	CAN97-8A-06	8	10	<	N	0.16	0.16	0.37	J	ug/kg
GC792110912-15	CAN97-8B-03	14	16	<	N	0.16	0.16	0.37	J	ug/kg
GC792110912-15	CAN97-8B-04	19	21	<	N	0.06	0.06	0.37	J	ug/kg
GC792110912-15	CAN97-8B-05	24	26	<	N	0.067	0.067	0.37	J	ug/kg
GC792110912-15	CAN97-8B-06	29	31	<	N	0.12	0.12	0.36	J	ug/kg
GC792110912-15	CAN97-8B-08	39	41	<	N	0.1	0.1	0.35	J	ug/kg
GC792110912-15	CAN97-8B-10	49	51	<	N	0.057	0.057	0.36	J	ug/kg
GC792110912-15	CAN97-8B-11	54	56	<	N	0.016	0.016	0.35	J	ug/kg
GC792110912-15	CAN97-8B-13	64	66	<	N	0.078	0.078	0.35	J	ug/kg
GC792111212-15	METHOD BLANK			<	MB	0.12	0.6	0.33	J	ug/kg
GC792111912-15	METHOD BLANK			<	MB	0.019	0.095	0.33	J	ug/kg
SW8080 - Heptachlor epoxide										
GC492112412-14	METHOD BLANK			>	MB	0.66	3.3	0.33	@	ug/kg
GC492112412-14	CAN97-12-I	4	6	<	N	0.11	0.11	0.35	J	ug/kg
GC492112412-14	CAN97-13-06	5	7	<	N	0.07	0.07	0.38	J	ug/kg
GC492112412-14	CAN97-16-06	5	7	>	N	0.94	0.94	0.36	G@	ug/kg
GC492112412-14	CAN97-20-06	7	9	<	N	0.041	0.041			
GC792102512-15	CAN97-ER-03			>	EB	0.015	0.075	0.36	J	ug/kg
GC792102512-15	CAN97-ER-04			<	EB	0.0074	0.037	0.01	@	ug/L
GC792111212-15	CAN97-4A-99	0	2	>	FD	0.86	0.86	0.01	J	ug/L
GC792111212-15	METHOD BLANK			>	MB	1.3	6.5	0.35	GB@	ug/kg
GC792111212-15	CAN97-10-01	0	2	<	N	1.8	1.8	0.33	G@	ug/kg
GC792111212-15	CAN97-10-06	24	26	<	N	0.34	0.34	3.6	J	ug/kg
GC792111212-15	CAN97-4A-S	0	2	>	N	0.7	0.7	0.37	J	ug/kg
								0.35	GB@	ug/kg
SW8240 - Methyl ethyl ketone										
450392101608360	CAN97-TB-16			<	TB	8	80	100	J	ug/L
450392102208550	CAN97-TB-25			<	TB	12	120	100	J	ug/L
450392102208550	CAN97-TB-26			<	TB	9	90	100	J	ug/L
450392102208550	CAN97-TB-27			<	TB	14	140	100	J	ug/L
450492100709590	CAN97-11-02	4	6	<	N	9.5	9.5	120	J	ug/kg
450492100709590	CAN97-11-06	24	26	<	N	6.3	6.3	110	J	ug/kg
450492100808580	CAN97-TB-05			<	TB	7.4	74	100	J	ug/L
450492100808580	CAN97-TB-06			<	TB	6.3	63	100	J	ug/L
450492100808580	CAN97-TB-07			<	TB	6.7	67	100	J	ug/L
450492100808580	CAN97-TB-08			<	TB	11	110	100	J	ug/L
450492101609490	CAN97-TB-18			<	TB	6.1	61	100	J	ug/L
450492101609490	CAN97-TB-19			<	TB	8.6	86	100	J	ug/L
450492101609490	CAN97-TB-20			<	TB	7	70	100	J	ug/L
450492101609490	CAN97-TB-21			<	TB	6.6	66	100	J	ug/L

Appendix H. Section 2: Samples Eliminated Due to Blank Contamination

Method-Chemical/ batch_id	sample_id	begin_dpth	end_dpth	res_flg	type	res	adj_res	rep_lim	foot	units
450492101609490	CAN97-TB-22			<	TB	8.2	82	100	J	ug/L
450492101609490	CAN97-TB-24			<	TB	6.4	64	100	J	ug/L
450492101913540	CAN97-17-S	0	2	<	N	7.1	7.1	100	J	ug/kg
450492101913540	CAN97-TB-28			<	TB	6.6	66	100	J	ug/L
450492102009440	CAN97-TB-31			<	TB	6.2	62	100	J	ug/L
SW8270 - Phenanthrene										
MSD292103008070	METHOD BLANK			<	MB	0.015	0.075	0.33	J	ug/g
MSD292103008070	CAN97-2B-S	0	2	<	N	0.046	0.046	0.35	J	ug/g
SW8240 - Toluene										
450392101608360	CAN97-TB-10			<	TB	0.22	1.1	5	J	ug/L
450492100709590	CAN97-TB-01			<	TB	0.69	3.45	5	J	ug/L
450492101208290	CAN97-TB-11			<	TB	1.5	7.5	5	J	ug/L
450492101913540	METHOD BLANK			<	MB	0.68	3.4	5	J	ug/kg
450492101913540	CAN97-12-S	0	2	<	N	2.4	2.4	5	J	ug/kg
450492101913540	CAN97-TB-28			<	TB	0.37	1.85	5	J	ug/L
SW8240 - Xylenes										
450492101913540	CAN97-13-99	0	2	<	FD	2.6	2.6	5.1	J	ug/kg
450492101913540	CAN97-19-99	0	2	<	FD	3.1	3.1	5	J	ug/kg
450492101913540	METHOD BLANK			<	MB	1.6	8	5	J	ug/kg
450492101913540	CAN97-13-S	0	2	<	N	2.6	2.6	5.1	J	ug/kg
450492101913540	CAN97-15-S	0	2	<	N	3.6	3.6	5.1	J	ug/kg
450492101913540	CAN97-18-S	0	2	<	N	1.4	1.4	5	J	ug/kg

APPENDIX H Section 3:

Compiled Background Data for Metals Collected at Cannon Landfill No. 25

Appendix H. Section 3: Compiled Background Data for Metals Collected at Cannon Landfill No. 25

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
1992 - Aluminum									
CAN97-BG-02	SW6010	4	6	>	N	11000	16		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	7200	16		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	5800	15		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	9000	15		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	5100	16		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	4900	15		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	5600	17		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	4500	17		mg/kg
CAN97-BG-11	SW6010	51	53	>	N	2100	15		mg/kg
CAN97-BG-12	SW6010	56	58	>	N	1900	16		mg/kg
CAN97-BG-13	SW6010	59	61	>	N	1800	15		mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	9100	14		mg/kg
1993 - Aluminum									
8201-14	8201	.	.	>	N	7290	.		mg/kg
8201-18	8201	.	.	>	N	7030	.		mg/kg
8201-24	8201	.	.	>	N	5640	.		mg/kg
8201-28	8201	.	.	>	N	6590	.		mg/kg
8201-40	8201	.	.	>	N	4820	.		mg/kg
8201-52	8201	.	.	>	N	4100	.		mg/kg
8201-64	8201	.	.	>	N	1940	.		mg/kg
8201-74	8201	.	.	>	N	1410	.		mg/kg
8202-14	8202	.	.	>	N	4750	.		mg/kg
8202-18	8202	.	.	>	N	7810	.		mg/kg
8202-24	8202	.	.	>	N	5500	.		mg/kg
8202-28	8202	.	.	>	N	4950	.		mg/kg
8202-40	8202	.	.	>	N	4090	.		mg/kg
8202-52	8202	.	.	>	N	3680	.		mg/kg
8202-64	8202	.	.	>	N	1460	.		mg/kg
8202-74	8202	.	.	>	N	1850	.		mg/kg
missing		.	.	>	N	8670	.		mg/kg
missing		.	.	>	N	8830	.		mg/kg
missing		.	.	>	N	4910	.		mg/kg
missing		.	.	>	N	8240	.		mg/kg
missing		.	.	>	N	9370	.		mg/kg
missing		.	.	>	N	5490	.		mg/kg
missing		.	.	>	N	8810	.		mg/kg
missing		.	.	>	N	8810	.		mg/kg
missing		.	.	>	N	4280	.		mg/kg
missing		.	.	>	N	4610	.		mg/kg
missing		.	.	>	N	5120	.		mg/kg
missing		.	.	>	N	5180	.		mg/kg
missing		.	.	>	N	7790	.		mg/kg
missing		.	.	>	N	6000	.		mg/kg
missing		.	.	>	N	4000	.	J	mg/kg
missing		.	.	>	N	4030	.		mg/kg
Antimony - 1992									
CAN97-BG-02	SW7041	4	6	>	N	0.069	0.52	J	mg/kg
CAN97-BG-04	SW7041	17	19	>	N	0.0079	0.47	J	mg/kg
Antimony - 1993									
8201-0	8201	.	.	ND	N	.	6.9		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
8201-14	8201	.	.	ND	N	.	13.1		mg/kg
8201-18	8201	.	.	ND	N	.	12.8		mg/kg
8201-24	8201	.	.	ND	N	.	12.9		mg/kg
8201-28	8201	.	.	ND	N	.	6.4		mg/kg
8201-40	8201	.	.	ND	N	.	6.3		mg/kg
8201-52	8201	.	.	ND	N	.	6.3		mg/kg
8201-64	8201	.	.	ND	N	.	6.2		mg/kg
8201-74	8201	.	.	ND	N	.	6.1		mg/kg
8202-14	8202	.	.	ND	N	.	6.3		mg/kg
8202-18	8202	.	.	ND	N	.	6.5		mg/kg
8202-24	8202	.	.	ND	N	.	13		mg/kg
8202-28	8202	.	.	ND	N	.	12.8		mg/kg
8202-40	8202	.	.	ND	N	.	6.2		mg/kg
8202-52	8202	.	.	ND	N	.	6.3		mg/kg
8202-64	8202	.	.	ND	N	.	6.1		mg/kg
8202-74	8202	.	.	ND	N	.	6.1		mg/kg
missing		.	.	>	N	5.1	.	J	mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Arsenic - 1992									
CAN97-BG-01	SW7060	0	2	>	N	4.9	0.33		mg/kg
CAN97-BG-02	SW7060	4	6	>	N	6.9	0.6		mg/kg
CAN97-BG-03	SW7060	9	11	>	N	3.4	0.3		mg/kg
CAN97-BG-04	SW7060	17	19	>	N	4	0.33		mg/kg
CAN97-BG-05	SW7060	19	21	>	N	3.4	0.29		mg/kg
CAN97-BG-07	SW7060	32	34	>	N	2.7	0.29		mg/kg
CAN97-BG-08	SW7060	34	36	>	N	1.9	0.32		mg/kg
CAN97-BG-09	SW7060	39	41	>	N	1.8	0.3		mg/kg
CAN97-BG-10	SW7060	44	46	>	N	1.7	0.29		mg/kg
CAN97-BG-11	SW7060	51	53	>	N	0.63	0.28	@	mg/kg
CAN97-BG-12	SW7060	56	58	>	N	0.97	0.3	@	mg/kg
CAN97-BG-13	SW7060	59	61	>	N	0.89	0.32	@	mg/kg
Arsenic - 1993									
8201-0	8201	.	.	>	N	6	.		mg/kg
8201-14	8201	.	.	>	N	3.1	.		mg/kg
8201-18	8201	.	.	>	N	3.6	.		mg/kg
8201-24	8201	.	.	>	N	2	.		mg/kg
8201-28	8201	.	.	>	N	2.1	.		mg/kg
8201-40	8201	.	.	>	N	1.8	.		mg/kg
8201-52	8201	.	.	>	N	1.9	.		mg/kg
8201-64	8201	.	.	>	N	1.6	.		mg/kg
8201-74	8201	.	.	>	N	1.2	.		mg/kg
8202-14	8202	.	.	>	N	1.3	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
8202-18	8202	.	.	>	N	1.2	.		mg/kg
8202-24	8202	.	.	>	N	1.3	.		mg/kg
8202-28	8202	.	.	>	N	1.2	.		mg/kg
8202-40	8202	.	.	>	N	0.74	.		mg/kg
8202-52	8202	.	.	>	N	0.96	.		mg/kg
8202-64	8202	.	.	>	N	0.83	.		mg/kg
8202-74	8202	.	.	>	N	1	.		mg/kg
missing		.	.	>	N	1.8	.	J	mg/kg
missing		.	.	>	N	1.9	.	J	mg/kg
missing		.	.	>	N	1.1	.	J	mg/kg
missing		.	.	>	N	1.4	.	J	mg/kg
missing		.	.	>	N	1.8	.	J	mg/kg
missing		.	.	>	N	0.95	.	J	mg/kg
missing		.	.	>	N	1.3	.	J	mg/kg
missing		.	.	>	N	1.3	.	J	mg/kg
missing		.	.	>	N	0.67	.	J	mg/kg
missing		.	.	>	N	0.7	.	J	mg/kg
missing		.	.	>	N	0.85	.	J	mg/kg
missing		.	.	>	N	1	.	J	mg/kg
missing		.	.	>	N	0.76	.	J	mg/kg
missing		.	.	>	N	1.2	.	J	mg/kg
missing		.	.	>	N	1	.	J	mg/kg
missing		.	.	>	N	1.3	.	J	mg/kg
missing		.	.	>	N	28	.		mg/kg
missing		.	.	>	N	17	.		mg/kg
missing		.	.	>	N	28	.		mg/kg
missing		.	.	>	N	17	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Barium - 1992									
CAN97-BG-02	SW6010	4	6	>	N	300	0.82		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	96	0.78		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	150	0.74		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	62	0.75		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	860	0.78		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	140	0.74		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	260	0.84		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	19	0.84		mg/kg
CAN97-BG-11	SW6010	51	53	>	N	7.6	0.74		mg/kg
CAN97-BG-12	SW6010	56	58	>	N	9.4	0.78		mg/kg
CAN97-BG-13	SW6010	59	61	>	N	9.7	0.75		mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	165	0.71		mg/kg
Barium -1993									
8201-0	8201	.	.	>	N	98.8	.		mg/kg
8201-14	8201	.	.	>	N	99	.		mg/kg
8201-18	8201	.	.	>	N	119	.		mg/kg
8201-24	8201	.	.	>	N	130	.		mg/kg
8201-28	8201	.	.	>	N	110	.		mg/kg
8201-40	8201	.	.	>	N	34	.		mg/kg
8201-52	8201	.	.	>	N	46.4	.		mg/kg
8201-64	8201	.	.	>	N	20.9	.		mg/kg
8201-74	8201	.	.	>	N	25.3	.		mg/kg
8202-14	8202	.	.	>	N	87.6	.		mg/kg
8202-18	8202	.	.	>	N	132	.		mg/kg

Source Date* - Chemical/

sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
8202-24	8202	.	.	>	N	186	.		mg/kg
8202-28	8202	.	.	>	N	133	.		mg/kg
8202-40	8202	.	.	>	N	30.7	.		mg/kg
8202-52	8202	.	.	>	N	43.8	.		mg/kg
8202-64	8202	.	.	>	N	14.5	.		mg/kg
8202-74	8202	.	.	>	N	15.6	.		mg/kg
missing		.	.	>	N	67.2	.		mg/kg
missing		.	.	>	N	62.3	.		mg/kg
missing		.	.	>	N	140	.		mg/kg
missing		.	.	>	N	1200	.		mg/kg
missing		.	.	>	N	351	.		mg/kg
missing		.	.	>	N	856	.		mg/kg
missing		.	.	>	N	136	.	J	mg/kg
missing		.	.	>	N	111	.	J	mg/kg
missing		.	.	>	N	70.4	.	J	mg/kg
missing		.	.	>	N	231	.	J	mg/kg
missing		.	.	>	N	241	.		mg/kg
missing		.	.	>	N	14.9	.	J	mg/kg
missing		.	.	>	N	442	.	J	mg/kg
missing		.	.	>	N	67.1	.	J	mg/kg
missing		.	.	>	N	334	.	J	mg/kg
missing		.	.	>	N	52.6	.		mg/kg
missing		.	.	>	N	350.9	.		mg/kg
missing		.	.	>	N	90.3	.		mg/kg
missing		.	.	>	N	44.8	.		mg/kg
missing		.	.	>	N	52.6	.		mg/kg
missing		.	.	>	N	350.9	.		mg/kg
missing		.	.	>	N	90.3	.		mg/kg
missing		.	.	>	N	44.8	.		mg/kg
missing		.	.	N	N	.	.		mg/kg

Beryllium - 1992

CAN97-BG-02	SW6010	4	6	>	N	0.48	0.16	@	mg/kg
CAN97-BG-03	SW6010	9	11	>	N	0.31	0.16	@	mg/kg
CAN97-BG-04	SW6010	17	19	>	N	0.19	0.15	@	mg/kg
CAN97-BG-05	SW6010	19	21	>	N	0.29	0.15	@	mg/kg
CAN97-BG-07	SW6010	32	34	>	N	0.15	0.16	J	mg/kg
CAN97-BG-08	SW6010	34	36	>	N	0.16	0.15	@	mg/kg
CAN97-BG-09	SW6010	39	41	>	N	0.18	0.17	@	mg/kg
CAN97-BG-10	SW6010	44	46	>	N	0.15	0.17	J	mg/kg
CAN97-BG-11	SW6010	51	53	>	N	0.084	0.15	J	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	0.073	0.16	J	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	0.07	0.15	J	mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	0.375	0.14	@	mg/kg

Beryllium - 1993

8201-0	8201	.	.	>	N	0.7	.		mg/kg
8201-14	8201	.	.	>	N	0.39	.		mg/kg
8201-18	8201	.	.	>	N	0.45	.		mg/kg
8201-24	8201	.	.	>	N	0.43	.		mg/kg
8201-28	8201	.	.	>	N	0.17	.		mg/kg
8201-40	8201	.	.	>	N	0.17	.		mg/kg
8201-52	8201	.	.	>	N	0.21	.		mg/kg
8201-64	8201	.	.	ND	N	.	0.21		mg/kg
8201-74	8201	.	.	ND	N	.	0.2		mg/kg
8202-14	8202	.	.	>	N	0.35	.		mg/kg
8202-18	8202	.	.	>	N	0.51	.		mg/kg
8202-24	8202	.	.	>	N	0.52	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
8202-28	8202	.	.	>	N	0.28	.		mg/kg
8202-40	8202	.	.	>	N	0.24	.		mg/kg
8202-52	8202	.	.	>	N	0.23	.		mg/kg
8202-64	8202	.	.	ND	N	.	0.2		mg/kg
8202-74	8202	.	.	ND	N	.	0.17		mg/kg
missing		.	.	>	N	0.49	.	J	mg/kg
missing		.	.	>	N	0.64	.	J	mg/kg
missing		.	.	>	N	0.54	.	J	mg/kg
missing		.	.	>	N	0.77	.	J	mg/kg
missing		.	.	>	N	0.56	.	J	mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Cadmium - 1992									
CAN97-BG-01	SW6010	0	2	>	N	0.33	0.39	J	mg/kg
CAN97-BG-02	SW6010	4	6	>	N	0.3	0.41	J	mg/kg
CAN97-BG-03	SW6010	9	11	>	N	0.28	0.39	J	mg/kg
CAN97-BG-04	SW6010	17	19	>	N	0.2	0.37	J	mg/kg
CAN97-BG-05	SW6010	19	21	>	N	0.16	0.37	J	mg/kg
CAN97-BG-07	SW6010	32	34	>	N	0.27	0.39	J	mg/kg
CAN97-BG-08	SW6010	34	36	>	N	0.23	0.37	J	mg/kg
CAN97-BG-09	SW6010	39	41	>	N	0.45	0.42	@	mg/kg
CAN97-BG-10	SW6010	44	46	>	N	0.3	0.42	J	mg/kg
CAN97-BG-11	SW6010	51	53	>	N	0.065	0.37	J	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	0.39	0.39	@	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	0.12	0.37	J	mg/kg
Cadmium - 1993									
8201-0	8201	.	.	ND	N	.	0.58		mg/kg
8201-14	8201	.	.	ND	N	.	1.1		mg/kg
8201-18	8201	.	.	ND	N	.	1.1		mg/kg
8201-24	8201	.	.	ND	N	.	1.1		mg/kg
8201-28	8201	.	.	ND	N	.	0.54		mg/kg
8201-40	8201	.	.	ND	N	.	0.53		mg/kg
8201-52	8201	.	.	ND	N	.	0.53		mg/kg
8201-64	8201	.	.	ND	N	.	0.51		mg/kg
8201-74	8201	.	.	ND	N	.	0.51		mg/kg
8202-14	8202	.	.	ND	N	.	0.53		mg/kg
8202-18	8202	.	.	ND	N	.	0.54		mg/kg
8202-24	8202	.	.	ND	N	.	1.1		mg/kg
8202-28	8202	.	.	ND	N	.	1.1		mg/kg
8202-40	8202	.	.	ND	N	.	0.52		mg/kg
8202-52	8202	.	.	ND	N	.	0.53		mg/kg
8202-64	8202	.	.	ND	N	.	0.51		mg/kg
8202-74	8202	.	.	ND	N	.	0.51		mg/kg
missing		.	.	>	N	1.1	.		mg/kg
missing		.	.	>	N	3.1	.		mg/kg
missing		.	.	>	N	4.2	.		mg/kg
missing		.	.	>	N	3.6	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
missing		.	.	>	N	2.7	.		mg/kg
missing		.	.	>	N	3.1	.		mg/kg
missing		.	.	>	N	4.2	.		mg/kg
missing		.	.	>	N	3.6	.		mg/kg
missing		.	.	>	N	2.7	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Calcium - 1992									
CAN97-BG-01	SW6010	0	2	>	N	79000	310		mg/kg
CAN97-BG-02	SW6010	4	6	>	N	180000	660		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	100000	310		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	220000	590		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	83000	300		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	69000	310		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	39000	290		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	47000	340		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	37000	84		mg/kg
CAN97-BG-11	SW6010	51	53	>	N	400	74		mg/kg
CAN97-BG-12	SW6010	56	58	>	N	2100	78		mg/kg
CAN97-BG-13	SW6010	59	61	>	N	530	75		mg/kg
Calcium - 1993									
8201-0	8201	.	.	>	N	2970	.		mg/kg
8201-14	8201	.	.	>	N	13100	.		mg/kg
8201-18	8201	.	.	>	N	200000	.		mg/kg
8201-24	8201	.	.	>	N	100000	.		mg/kg
8201-28	8201	.	.	>	N	87000	.		mg/kg
8201-40	8201	.	.	>	N	18700	.		mg/kg
8201-52	8201	.	.	>	N	24200	.		mg/kg
8201-64	8201	.	.	>	N	5870	.		mg/kg
8201-74	8201	.	.	>	N	13500	.		mg/kg
8202-14	8202	.	.	>	N	41800	.		mg/kg
8202-18	8202	.	.	>	N	94800	.		mg/kg
8202-24	8202	.	.	>	N	200000	.		mg/kg
8202-28	8202	.	.	>	N	100000	.		mg/kg
8202-40	8202	.	.	>	N	17300	.		mg/kg
8202-52	8202	.	.	>	N	27600	.		mg/kg
8202-64	8202	.	.	>	N	6780	.		mg/kg
8202-74	8202	.	.	>	N	1490	.		mg/kg
missing		.	.	>	N	2220	.		mg/kg
missing		.	.	>	N	1910	.		mg/kg
missing		.	.	>	N	101000	.	J	mg/kg
missing		.	.	>	N	40600	.	J	mg/kg
missing		.	.	>	N	62100	.	J	mg/kg

Source Date* - Chemical/

sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
missing		.	.	>	N	154000	.		mg/kg
missing		.	.	>	N	121000	.		mg/kg
missing		.	.	>	N	57700	.		mg/kg
missing		.	.	>	N	78500	.		mg/kg
missing		.	.	>	N	51800	.		mg/kg
missing		.	.	>	N	157000	.		mg/kg
missing		.	.	>	N	89800	.	J	mg/kg
missing		.	.	>	N	4900	.		mg/kg
missing		.	.	>	N	124000	.	J	mg/kg
missing		.	.	>	N	131000	.	J	mg/kg
missing		.	.	>	N	172000	.	J	mg/kg
Chromium - 1992									
CAN97-BG-02	SW6010	4	6	>	N	6.5	0.82		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	5.5	0.78		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	4	0.74		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	6.7	0.75		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	4.2	0.78		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	4.2	0.74		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	5.4	0.84		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	4.3	0.84		mg/kg
CAN97-BG-11	SW6010	51	53	>	N	2.2	0.74	@	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	1.6	0.78	@	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	1.6	0.75	@	mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	7.2	0.71		mg/kg
Chromium - 1993									
8201-0	8201	.	.	>	N	11.4	.		mg/kg
8201-14	8201	.	.	>	N	6	.		mg/kg
8201-18	8201	.	.	>	N	6.2	.		mg/kg
8201-24	8201	.	.	>	N	6.2	.		mg/kg
8201-28	8201	.	.	>	N	8.4	.		mg/kg
8201-40	8201	.	.	>	N	8.5	.		mg/kg
8201-52	8201	.	.	>	N	6.3	.		mg/kg
8201-64	8201	.	.	>	N	4.5	.		mg/kg
8201-74	8201	.	.	>	N	3.9	.		mg/kg
8202-14	8202	.	.	>	N	4.6	.		mg/kg
8202-18	8202	.	.	>	N	7.9	.		mg/kg
8202-24	8202	.	.	>	N	5.1	.		mg/kg
8202-28	8202	.	.	>	N	15.4	.		mg/kg
8202-40	8202	.	.	>	N	7.8	.		mg/kg
8202-52	8202	.	.	>	N	6.1	.		mg/kg
8202-64	8202	.	.	>	N	4.9	.		mg/kg
8202-74	8202	.	.	>	N	4.1	.		mg/kg
missing		.	.	>	N	8.6	.		mg/kg
missing		.	.	>	N	8.7	.		mg/kg
missing		.	.	>	N	5.1	.		mg/kg
missing		.	.	>	N	7.6	.		mg/kg
missing		.	.	>	N	8.3	.		mg/kg
missing		.	.	>	N	4.6	.		mg/kg
missing		.	.	>	N	5.7	.		mg/kg
missing		.	.	>	N	6.3	.		mg/kg
missing		.	.	>	N	4	.		mg/kg
missing		.	.	>	N	4.5	.		mg/kg
missing		.	.	>	N	4.1	.		mg/kg
missing		.	.	>	N	4.8	.		mg/kg
missing		.	.	>	N	8	.		mg/kg
missing		.	.	>	N	6.2	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
missing		.	.	>	N	4.5	.		mg/kg
missing		.	.	>	N	4.8	.		mg/kg
missing		.	.	>	N	11.5	.		mg/kg
missing		.	.	>	N	11.6	.		mg/kg
missing		.	.	>	N	12.9	.		mg/kg
missing		.	.	>	N	9	.		mg/kg
missing		.	.	>	N	11.5	.		mg/kg
missing		.	.	>	N	11.6	.		mg/kg
missing		.	.	>	N	12.9	.		mg/kg
missing		.	.	>	N	9	.		mg/kg
Cobalt - 1992									
CAN97-BG-01	SW6010	0	2	>	N	3.2	0.78	@	mg/kg
CAN97-BG-02	SW6010	4	6	>	N	2.2	0.82	@	mg/kg
CAN97-BG-03	SW6010	9	11	>	N	1.9	0.78	@	mg/kg
CAN97-BG-04	SW6010	17	19	>	N	1.6	0.74	@	mg/kg
CAN97-BG-05	SW6010	19	21	>	N	1.9	0.75	@	mg/kg
CAN97-BG-07	SW6010	32	34	>	N	1.5	0.78	@	mg/kg
CAN97-BG-08	SW6010	34	36	>	N	1.3	0.74	@	mg/kg
CAN97-BG-09	SW6010	39	41	>	N	2	0.84	@	mg/kg
CAN97-BG-10	SW6010	44	46	>	N	1	0.84	@	mg/kg
CAN97-BG-11	SW6010	51	53	>	N	0.57	0.74	J	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	0.93	0.78	@	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	0.62	0.75	J	mg/kg
Cobalt - 1993									
8201-0	8201	.	.	>	N	5.3	.		mg/kg
8201-14	8201	.	.	>	N	3.9	.		mg/kg
8201-18	8201	.	.	>	N	2.8	.		mg/kg
8201-24	8201	.	.	>	N	3.6	.		mg/kg
8201-28	8201	.	.	>	N	1.8	.		mg/kg
8201-40	8201	.	.	>	N	2	.		mg/kg
8201-52	8201	.	.	>	N	1.8	.		mg/kg
8201-64	8201	.	.	>	N	1.3	.		mg/kg
8201-74	8201	.	.	>	N	1.1	.		mg/kg
8202-14	8202	.	.	>	N	2.9	.		mg/kg
8202-18	8202	.	.	>	N	2.4	.		mg/kg
8202-24	8202	.	.	ND	N	.	2.2		mg/kg
8202-28	8202	.	.	ND	N	.	2.1		mg/kg
8202-40	8202	.	.	>	N	0.98	.		mg/kg
8202-52	8202	.	.	>	N	1.8	.		mg/kg
8202-64	8202	.	.	ND	N	.	1		mg/kg
8202-74	8202	.	.	>	N	0.85	.		mg/kg
missing		.	.	>	N	2.7	.	J	mg/kg
missing		.	.	>	N	2.7	.	J	mg/kg
missing		.	.	>	N	2	.	J	mg/kg
missing		.	.	>	N	3.9	.	J	mg/kg
missing		.	.	>	N	3.3	.	J	mg/kg
missing		.	.	>	N	1.4	.	J	mg/kg
missing		.	.	>	N	3.2	.	J	mg/kg
missing		.	.	>	N	3	.	J	mg/kg
missing		.	.	>	N	1.3	.	J	mg/kg
missing		.	.	>	N	2.5	.	J	mg/kg
missing		.	.	>	N	2.5	.	J	mg/kg
missing		.	.	>	N	3.1	.	J	mg/kg
missing		.	.	>	N	3	.	J	mg/kg
missing		.	.	>	N	3.1	.	J	mg/kg
missing		.	.	>	N	3.3	.	J	mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
missing		.	.	>	N	2.5	.	J	mg/kg
Copper - 1992									
CAN97-BG-02	SW6010	4	6	>	N	3.4	1.6	@	mg/kg
CAN97-BG-03	SW6010	9	11	>	N	2.1	1.6	@	mg/kg
CAN97-BG-04	SW6010	17	19	>	N	1.7	1.5	@	mg/kg
CAN97-BG-05	SW6010	19	21	>	N	2.1	1.5	@	mg/kg
CAN97-BG-07	SW6010	32	34	>	N	2	1.6	@	mg/kg
CAN97-BG-08	SW6010	34	36	>	N	1.3	1.5	J	mg/kg
CAN97-BG-09	SW6010	39	41	>	N	2.3	1.7	@	mg/kg
CAN97-BG-10	SW6010	44	46	>	N	1.8	1.7	@	mg/kg
CAN97-BG-11	SW6010	51	53	>	N	0.78	1.5	J	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	0.97	1.6	J	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	0.69	1.5	J	mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	4.9	1.4	@	mg/kg
Copper - 1993									
8201-0	8201	.	.	>	N	10.1	.		mg/kg
8201-14	8201	.	.	ND	N	.	4.4		mg/kg
8201-18	8201	.	.	ND	N	.	4.3		mg/kg
8201-24	8201	.	.	ND	N	.	4.3		mg/kg
8201-28	8201	.	.	ND	N	.	2.3		mg/kg
8201-40	8201	.	.	ND	N	.	2.6		mg/kg
8201-52	8201	.	.	ND	N	.	2.1		mg/kg
8201-64	8201	.	.	ND	N	.	2.1		mg/kg
8201-74	8201	.	.	ND	N	.	2		mg/kg
8202-14	8202	.	.	ND	N	.	2.9		mg/kg
8202-18	8202	.	.	ND	N	.	2.8		mg/kg
8202-24	8202	.	.	ND	N	.	4.3		mg/kg
8202-28	8202	.	.	ND	N	.	4.3		mg/kg
8202-40	8202	.	.	ND	N	.	2.1		mg/kg
8202-52	8202	.	.	ND	N	.	2.1		mg/kg
8202-64	8202	.	.	ND	N	.	2		mg/kg
8202-74	8202	.	.	ND	N	.	2		mg/kg
missing		.	.	>	N	18.3	.		mg/kg
missing		.	.	>	N	15.3	.		mg/kg
missing		.	.	>	N	6.6	.		mg/kg
missing		.	.	>	N	6.8	.		mg/kg
missing		.	.	>	N	9.3	.		mg/kg
missing		.	.	>	N	4	.	J	mg/kg
missing		.	.	>	N	7.2	.		mg/kg
missing		.	.	>	N	2.8	.	J	mg/kg
missing		.	.	>	N	4.1	.	J	mg/kg
missing		.	.	>	N	4.4	.	J	mg/kg
missing		.	.	>	N	5.4	.	J	mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Iron - 1992									
CAN97-BG-01	SW6010	0	2	>	N	6800	3.9		mg/kg
CAN97-BG-02	SW6010	4	6	>	N	6000	4.1		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	4600	3.9		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	3200	3.7		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
CAN97-BG-05	SW6010	19	21	>	N	5600	3.7		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	3600	3.9		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	3600	3.7		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	4400	4.2		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	3500	4.2		mg/kg
CAN97-BG-11	SW6010	51	53	>	N	2400	3.7		mg/kg
CAN97-BG-12	SW6010	56	58	>	N	2100	3.9		mg/kg
CAN97-BG-13	SW6010	59	61	>	N	2100	3.7		mg/kg
Iron - 1993									
8201-0	8201	.	.	>	N	11000	.		mg/kg
8201-14	8201	.	.	>	N	5630	.		mg/kg
8201-18	8201	.	.	>	N	4400	.		mg/kg
8201-24	8201	.	.	>	N	3550	.		mg/kg
8201-28	8201	.	.	>	N	4080	.		mg/kg
8201-40	8201	.	.	>	N	3770	.		mg/kg
8201-52	8201	.	.	>	N	3630	.		mg/kg
8201-64	8201	.	.	>	N	2110	.		mg/kg
8201-74	8201	.	.	>	N	1820	.		mg/kg
8202-14	8202	.	.	>	N	4930	.		mg/kg
8202-18	8202	.	.	>	N	5050	.		mg/kg
8202-24	8202	.	.	>	N	3280	.		mg/kg
8202-28	8202	.	.	>	N	4080	.		mg/kg
8202-40	8202	.	.	>	N	4160	.		mg/kg
8202-52	8202	.	.	>	N	3740	.		mg/kg
8202-64	8202	.	.	>	N	2170	.		mg/kg
8202-74	8202	.	.	>	N	2770	.		mg/kg
missing		.	.	>	N	7860	.		mg/kg
missing		.	.	>	N	8010	.		mg/kg
missing		.	.	>	N	3720	.		mg/kg
missing		.	.	>	N	6390	.		mg/kg
missing		.	.	>	N	7240	.		mg/kg
missing		.	.	>	N	2750	.		mg/kg
missing		.	.	>	N	5240	.		mg/kg
missing		.	.	>	N	5950	.		mg/kg
missing		.	.	>	N	3940	.		mg/kg
missing		.	.	>	N	5390	.		mg/kg
missing		.	.	>	N	4540	.		mg/kg
missing		.	.	>	N	4600	.		mg/kg
missing		.	.	>	N	7960	.		mg/kg
missing		.	.	>	N	5900	.	J	mg/kg
missing		.	.	>	N	4040	.	J	mg/kg
missing		.	.	>	N	3930	.	J	mg/kg
Lead - 1992									
CAN97-BG-02	SW7421	4	6	>	N	4.2	0.23		mg/kg
CAN97-BG-03	SW7421	9	11	>	N	3.7	0.23		mg/kg
CAN97-BG-04	SW7421	17	19	>	N	2.6	0.25		mg/kg
CAN97-BG-05	SW7421	19	21	>	N	3.2	0.22		mg/kg
CAN97-BG-07	SW7421	32	34	>	N	2	0.22		mg/kg
CAN97-BG-08	SW7421	34	36	>	N	2.3	0.24		mg/kg
CAN97-BG-09	SW7421	39	41	>	N	2.9	0.22		mg/kg
CAN97-BG-10	SW7421	44	46	>	N	2.2	0.22		mg/kg
CAN97-BG-11	SW7421	51	53	>	N	1.2	0.21		mg/kg
CAN97-BG-12	SW7421	56	58	>	N	1.6	0.23		mg/kg
CAN97-BG-13	SW7421	59	61	>	N	1.5	0.24		mg/kg
CAN97-BG-99	SW7421	0	2	>	FD	9.15	1		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
Lead - 1993									
8201-0	8201	.	.	>	N	16.1	.		mg/kg
8201-14	8201	.	.	>	N	6	.		mg/kg
8201-18	8201	.	.	>	N	4.3	.		mg/kg
8201-24	8201	.	.	>	N	2.6	.		mg/kg
8201-28	8201	.	.	>	N	2.5	.		mg/kg
8201-40	8201	.	.	>	N	2.6	.		mg/kg
8201-52	8201	.	.	>	N	2.4	.		mg/kg
8201-64	8201	.	.	>	N	1.9	.		mg/kg
8201-74	8201	.	.	>	N	1.5	.		mg/kg
8202-14	8202	.	.	>	N	2.3	.		mg/kg
8202-18	8202	.	.	>	N	3.7	.		mg/kg
8202-24	8202	.	.	>	N	1.9	.		mg/kg
8202-28	8202	.	.	>	N	1.8	.		mg/kg
8202-40	8202	.	.	>	N	2.5	.		mg/kg
8202-52	8202	.	.	>	N	2.3	.		mg/kg
8202-64	8202	.	.	>	N	1.1	.		mg/kg
8202-74	8202	.	.	>	N	1.8	.		mg/kg
missing		.	.	>	N	5.7	.		mg/kg
missing		.	.	>	N	10	.		mg/kg
missing		.	.	>	N	3.5	.	J	mg/kg
missing		.	.	>	N	6.5	.	J	mg/kg
missing		.	.	>	N	5.8	.	J	mg/kg
missing		.	.	>	N	1.5	.		mg/kg
missing		.	.	>	N	5.6	.	J	mg/kg
missing		.	.	>	N	4.2	.	J	mg/kg
missing		.	.	>	N	3.9	.	J	mg/kg
missing		.	.	>	N	5.3	.	J	mg/kg
missing		.	.	>	N	4.1	.	J	mg/kg
missing		.	.	>	N	4.5	.	J	mg/kg
missing		.	.	>	N	5.8	.		mg/kg
missing		.	.	>	N	5.1	.		mg/kg
missing		.	.	>	N	5.6	.		mg/kg
missing		.	.	>	N	5.4	.		mg/kg
missing		.	.	>	N	19.1	.		mg/kg
missing		.	.	>	N	29.8	.		mg/kg
missing		.	.	>	N	46	.		mg/kg
missing		.	.	>	N	28	.		mg/kg
missing		.	.	>	N	19.1	.		mg/kg
missing		.	.	>	N	29.8	.		mg/kg
missing		.	.	>	N	46	.		mg/kg
missing		.	.	>	N	28	.		mg/kg
Magnesium - 1992									
CAN97-BG-01	SW6010	0	2	>	N	2300	78		mg/kg
CAN97-BG-02	SW6010	4	6	>	N	3400	82		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	2600	78		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	2900	74		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	3000	75		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	5400	78		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	4500	74		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	7700	84		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	7200	84		mg/kg
CAN97-BG-11	SW6010	51	53	>	N	1200	74		mg/kg
CAN97-BG-12	SW6010	56	58	>	N	900	78		mg/kg
CAN97-BG-13	SW6010	59	61	>	N	840	75		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
Magnesium - 1993									
8201-0	8201	.	.		N	1850	.		mg/kg
8201-14	8201	.	.	>	N	5210	.		mg/kg
8201-18	8201	.	.	>	N	5450	.		mg/kg
8201-24	8201	.	.	>	N	6250	.		mg/kg
8201-28	8201	.	.	>	N	9050	.		mg/kg
8201-40	8201	.	.	>	N	6400	.		mg/kg
8201-52	8201	.	.	>	N	4670	.		mg/kg
8201-64	8201	.	.	>	N	1580	.		mg/kg
8201-74	8201	.	.	>	N	892	.		mg/kg
8202-14	8202	.	.	>	N	2570	.		mg/kg
8202-18	8202	.	.	>	N	7520	.		mg/kg
8202-24	8202	.	.	>	N	11800	.		mg/kg
8202-28	8202	.	.	>	N	10300	.		mg/kg
8202-40	8202	.	.	>	N	3450	.		mg/kg
8202-52	8202	.	.	>	N	4040	.		mg/kg
8202-64	8202	.	.	>	N	918	.		mg/kg
8202-74	8202	.	.	>	N	1250	.		mg/kg
missing		.	.	>	N	1390	.		mg/kg
missing		.	.	>	N	1410	.		mg/kg
missing		.	.	>	N	2460	.		mg/kg
missing		.	.	>	N	4410	.		mg/kg
missing		.	.	>	N	4420	.		mg/kg
missing		.	.	>	N	18300	.		mg/kg
missing		.	.	>	N	5580	.		mg/kg
missing		.	.	>	N	3950	.		mg/kg
missing		.	.	>	N	3830	.		mg/kg
missing		.	.	>	N	3030	.		mg/kg
missing		.	.	>	N	4300	.		mg/kg
missing		.	.	>	N	4420	.		mg/kg
missing		.	.	>	N	4080	.		mg/kg
missing		.	.	>	N	3070	.		mg/kg
missing		.	.	>	N	2680	.		mg/kg
missing		.	.	>	N	2830	.		mg/kg
Manganese - 1993									
CAN97-BG-02	SW6010	4	6	>	N	48	0.82		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	43	0.78		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	25	0.74		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	54	0.75		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	34	0.78		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	36	0.74		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	52	0.84		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	32	0.84		mg/kg
CAN97-BG-11	SW6010	51	53	>	N	17	0.74		mg/kg
CAN97-BG-12	SW6010	56	58	>	N	21	0.78		mg/kg
CAN97-BG-13	SW6010	59	61	>	N	23	0.75		mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	140	0.71		mg/kg
Manganese - 1993									
8201-0	8201	.	.	>	N	216	.		mg/kg
8201-14	8201	.	.	>	N	99.6	.		mg/kg
8201-18	8201	.	.	>	N	55.5	.		mg/kg
8201-24	8201	.	.	>	N	46.7	.		mg/kg
8201-28	8201	.	.	>	N	35.6	.		mg/kg
8201-40	8201	.	.	>	N	39.4	.		mg/kg
8201-52	8201	.	.	>	N	47.6	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
8201-64	8201	.	.	>	N	23.3	.		mg/kg
8201-74	8201	.	.	>	N	25.6	.		mg/kg
8202-14	8202	.	.	>	N	84.2	.		mg/kg
8202-18	8202	.	.	>	N	59.3	.		mg/kg
8202-24	8202	.	.	>	N	29.1	.		mg/kg
8202-28	8202	.	.	>	N	39.8	.		mg/kg
8202-40	8202	.	.	>	N	44.6	.		mg/kg
8202-52	8202	.	.	>	N	49.7	.		mg/kg
8202-64	8202	.	.	>	N	22.4	.		mg/kg
8202-74	8202	.	.	>	N	31.8	.		mg/kg
missing		.	.	>	N	150	.		mg/kg
missing		.	.	>	N	172	.		mg/kg
missing		.	.	>	N	63.2	.		mg/kg
missing		.	.	>	N	128	.		mg/kg
missing		.	.	>	N	138	.		mg/kg
missing		.	.	>	N	24.9	.		mg/kg
missing		.	.	>	N	64.1	.		mg/kg
missing		.	.	>	N	80.8	.		mg/kg
missing		.	.	>	N	43.3	.		mg/kg
missing		.	.	>	N	91	.		mg/kg
missing		.	.	>	N	85.7	.		mg/kg
missing		.	.	>	N	97.7	.		mg/kg
missing		.	.	>	N	71.4	.		mg/kg
missing		.	.	>	N	99.2	.	J	mg/kg
missing		.	.	>	N	54.4	.		mg/kg
missing		.	.	>	N	62.4	.	J	mg/kg
Mercury - 1992									
CAN97-BG-02	SW7471	4	6	>	N	0.061	0.053	@	mg/kg
CAN97-BG-03	SW7471	9	11	>	N	0.043	0.051	J	mg/kg
CAN97-BG-04	SW7471	17	19	>	N	0.062	0.046	@	mg/kg
CAN97-BG-05	SW7471	19	21	>	N	0.031	0.05	J	mg/kg
CAN97-BG-07	SW7471	32	34	ND	N	.	0.043	@	mg/kg
CAN97-BG-08	SW7471	34	36	>	N	0.044	0.041	@	mg/kg
CAN97-BG-09	SW7471	39	41	>	N	0.045	0.054	J	mg/kg
CAN97-BG-10	SW7471	44	46	>	N	0.034	0.041	J	mg/kg
CAN97-BG-11	SW7471	51	53	>	N	0.041	0.037	@	mg/kg
CAN97-BG-12	SW7471	56	58	>	N	0.027	0.048	J	mg/kg
CAN97-BG-13	SW7471	59	61	>	N	0.037	0.041	J	mg/kg
CAN97-BG-99	SW7471	0	2	>	FD	0.0235	0.049	J	mg/kg
Mercury - 1993									
8201-0	8201	.	.	ND	N	.	0.12		mg/kg
8201-14	8201	.	.	ND	N	.	0.11		mg/kg
8201-18	8201	.	.	ND	N	.	0.11		mg/kg
8201-24	8201	.	.	ND	N	.	0.11		mg/kg
8201-28	8201	.	.	ND	N	.	0.11		mg/kg
8201-40	8201	.	.	ND	N	.	0.11		mg/kg
8201-52	8201	.	.	ND	N	.	0.11		mg/kg
8201-64	8201	.	.	ND	N	.	0.1		mg/kg
8201-74	8201	.	.	ND	N	.	0.1		mg/kg
8202-14	8202	.	.	ND	N	.	0.11		mg/kg
8202-18	8202	.	.	ND	N	.	0.11		mg/kg
8202-24	8202	.	.	ND	N	.	0.11		mg/kg
8202-28	8202	.	.	ND	N	.	0.11		mg/kg
8202-40	8202	.	.	ND	N	.	0.1		mg/kg
8202-52	8202	.	.	ND	N	.	0.11		mg/kg
8202-64	8202	.	.	ND	N	.	0.1		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
8202-74	8202	.	.	ND	N	.	0.1		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Molybdenum - 1992									
CAN97-BG-01	SW6010	.	.	>	N	0.505	3.75		mg/kg
CAN97-BG-02	SW6010	.	.	>	N	0.13	4.1		mg/kg
CAN97-BG-03	SW6010	.	.	>	N	0.3	3.9		mg/kg
CAN97-BG-04	SW6010	.	.	>	N	0.075	3.7		mg/kg
CAN97-BG-05	SW6010	.	.	>	N	0.36	3.7		mg/kg
CAN97-BG-07	SW6010	.	.	>	N	0.36	3.9		mg/kg
CAN97-BG-08	SW6010	.	.	>	N	0.33	3.7		mg/kg
CAN97-BG-09	SW6010	.	.	>	N	0.12	4.2		mg/kg
CAN97-BG-10	SW6010	.	.	>	N	0.35	4.2		mg/kg
CAN97-BG-11	SW6010	.	.	>	N	0.36	3.7		mg/kg
CAN97-BG-12	SW6010	.	.	>	N	0.25	3.9		mg/kg
CAN97-BG-13	SW6010	.	.	>	N	0.38	3.7		mg/kg
Nickel - 1992									
CAN97-BG-02	SW6010	4	6	>	N	7.6	1.6	@	mg/kg
CAN97-BG-03	SW6010	9	11	>	N	9.6	6.2	@	mg/kg
CAN97-BG-04	SW6010	17	19	>	N	5	1.5	@	mg/kg
CAN97-BG-05	SW6010	19	21	>	N	7.9	6	@	mg/kg
CAN97-BG-07	SW6010	32	34	>	N	7.9	6.2	@	mg/kg
CAN97-BG-08	SW6010	34	36	>	N	6.4	5.9	@	mg/kg
CAN97-BG-09	SW6010	39	41	>	N	8.1	6.7	@	mg/kg
CAN97-BG-10	SW6010	44	46	>	N	3.9	1.7	@	mg/kg
CAN97-BG-11	SW6010	51	53	>	N	2.6	1.5	@	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	1.9	1.6	@	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	1.6	1.5	@	mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	12.5	5.7	@	mg/kg
Nickel - 1993									
8201-0	8201	.	.	>	N	9.8	.		mg/kg

Source Date* - Chemical/

sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
8201-14	8201	.	.	>	N	6.6	.		mg/kg
8201-18	8201	.	.	>	N	4.2	.		mg/kg
8201-24	8201	.	.	>	N	4.6	.		mg/kg
8201-28	8201	.	.	>	N	4	.		mg/kg
8201-40	8201	.	.	>	N	4.2	.		mg/kg
8201-52	8201	.	.	>	N	3	.		mg/kg
8201-64	8201	.	.	>	N	1.5	.		mg/kg
8201-74	8201	.	.	>	N	1.8	.		mg/kg
8202-14	8202	.	.	>	N	3.9	.		mg/kg
8202-18	8202	.	.	>	N	4.3	.		mg/kg
8202-24	8202	.	.	>	N	3	.		mg/kg
8202-28	8202	.	.	>	N	7.6	.		mg/kg
8202-40	8202	.	.	>	N	2.7	.		mg/kg
8202-52	8202	.	.	>	N	2.8	.		mg/kg
8202-64	8202	.	.	ND	N	.	4.1		mg/kg
8202-74	8202	.	.	>	N	1.3	.		mg/kg
missing		.	.	>	N	6.9	.	J	mg/kg
missing		.	.	>	N	6.7	.	J	mg/kg
missing		.	.	>	N	3.8	.	J	mg/kg
missing		.	.	>	N	6.9	.	J	mg/kg
missing		.	.	>	N	8.2	.	J	mg/kg
missing		.	.	>	N	4.5	.	J	mg/kg
missing		.	.	>	N	5	.	J	mg/kg
missing		.	.	>	N	5.7	.	J	mg/kg
missing		.	.	>	N	4.4	.	J	mg/kg
missing		.	.	>	N	5.8	.	J	mg/kg
missing		.	.	>	N	5.8	.	J	mg/kg
missing		.	.	>	N	7.9	.	J	mg/kg
missing		.	.	>	N	7.5	.	J	mg/kg
missing		.	.	>	N	6.3	.	J	mg/kg
missing		.	.	>	N	5.9	.	J	mg/kg
missing		.	.	>	N	5.2	.	J	mg/kg

Potassium - 1992

CAN97-BG-01	SW6010	0	2	>	N	1500	230		mg/kg
CAN97-BG-02	SW6010	4	6	>	N	1700	250		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	1600	230		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	1200	220		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	2000	220		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	1200	230		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	1100	220		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	1300	250		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	910	250	@	mg/kg
CAN97-BG-11	SW6010	51	53	>	N	420	220	@	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	360	230	@	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	360	220	@	mg/kg

Potassium - 1993

8201-0	8201	.	.	>	N	2140	.		mg/kg
8201-14	8201	.	.	>	N	2120	.		mg/kg
8201-18	8201	.	.	>	N	1720	.		mg/kg
8201-24	8201	.	.	>	N	1050	.		mg/kg
8201-28	8201	.	.	>	N	1260	.		mg/kg
8201-40	8201	.	.	>	N	1050	.		mg/kg
8201-52	8201	.	.	>	N	890	.		mg/kg
8201-64	8201	.	.	>	N	397	.		mg/kg
8201-74	8201	.	.	>	N	302	.		mg/kg
8202-14	8202	.	.	>	N	1580	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
8202-18	8202	.	.	>	N	1790	.		mg/kg
8202-24	8202	.	.	>	N	926	.		mg/kg
8202-28	8202	.	.	>	N	960	.		mg/kg
8202-40	8202	.	.	>	N	1060	.		mg/kg
8202-52	8202	.	.	>	N	720	.		mg/kg
8202-64	8202	.	.	>	N	354	.		mg/kg
8202-74	8202	.	.	>	N	442	.		mg/kg
missing		.	.	>	N	1760	.		mg/kg
missing		.	.	>	N	1938	.		mg/kg
missing		.	.	>	N	1150	.		mg/kg
missing		.	.	>	N	1890	.		mg/kg
missing		.	.	>	N	2100	.		mg/kg
missing		.	.	>	N	986	.	J	mg/kg
missing		.	.	>	N	2060	.		mg/kg
missing		.	.	>	N	2080	.		mg/kg
missing		.	.	>	N	1300	.		mg/kg
missing		.	.	>	N	1360	.		mg/kg
missing		.	.	>	N	1570	.		mg/kg
missing		.	.	>	N	1710	.		mg/kg
missing		.	.	>	N	2770	.		mg/kg
missing		.	.	>	N	1410	.		mg/kg
missing		.	.	>	N	1020	.	J	mg/kg
missing		.	.	>	N	866	.	J	mg/kg
Selenium - 1992									
CAN97-BG-02	SW7740	4	6	>	N	0.73	0.38	@	mg/kg
CAN97-BG-03	SW7740	9	11	>	N	0.78	0.38	@	mg/kg
CAN97-BG-04	SW7740	17	19	>	N	0.49	0.42	@	mg/kg
CAN97-BG-05	SW7740	19	21	>	N	0.18	0.36	J	mg/kg
CAN97-BG-07	SW7740	32	34	>	N	0.55	0.36	@	mg/kg
CAN97-BG-08	SW7740	34	36	>	N	0.0016	0.4	J	mg/kg
CAN97-BG-09	SW7740	39	41	>	N	0.071	0.37	J	mg/kg
CAN97-BG-10	SW7740	44	46	ND	N	.	0.36		mg/kg
CAN97-BG-11	SW7740	51	53	ND	N	.	0.35		mg/kg
CAN97-BG-12	SW7740	56	58	ND	N	.	0.38		mg/kg
CAN97-BG-13	SW7740	59	61	ND	N	.	0.4		mg/kg
CAN97-BG-99	SW7740	0	2	>	FD	0.635	0.42	@	mg/kg
Selenium - 1993									
8201-0	8201	.	.	ND	N	.	1.2		mg/kg
8201-14	8201	.	.	ND	N	.	2.2		mg/kg
8201-18	8201	.	.	ND	N	.	2.1		mg/kg
8201-24	8201	.	.	ND	N	.	1.1		mg/kg
8201-28	8201	.	.	ND	N	.	1.1		mg/kg
8201-40	8201	.	.	ND	N	.	1.1		mg/kg
8201-52	8201	.	.	ND	N	.	1.1		mg/kg
8201-64	8201	.	.	ND	N	.	0.51		mg/kg
8201-74	8201	.	.	ND	N	.	0.51		mg/kg
8202-14	8202	.	.	ND	N	.	1.1		mg/kg
8202-18	8202	.	.	ND	N	.	1.1		mg/kg
8202-24	8202	.	.	ND	N	.	1.1		mg/kg
8202-28	8202	.	.	ND	N	.	1.1		mg/kg
8202-40	8202	.	.	ND	N	.	1		mg/kg
8202-52	8202	.	.	ND	N	.	1.1		mg/kg
8202-64	8202	.	.	ND	N	.	1		mg/kg
8202-74	8202	.	.	ND	N	.	0.51		mg/kg
missing		.	.	>	N	58	.		mg/kg
missing		.	.	>	N	123.9	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
missing		.	.	>	N	50.1	.		mg/kg
missing		.	.	>	N	58	.		mg/kg
missing		.	.	>	N	123.9	.		mg/kg
missing		.	.	>	N	50.1	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Silver - 1992									
CAN97-BG-02	SW6010	4	6	ND	N	.	0.82		mg/kg
CAN97-BG-03	SW6010	9	11	ND	N	.	0.78		mg/kg
CAN97-BG-04	SW6010	17	19	ND	N	.	0.74		mg/kg
CAN97-BG-05	SW6010	19	21	ND	N	.	0.75		mg/kg
CAN97-BG-07	SW6010	32	34	ND	N	.	0.78		mg/kg
CAN97-BG-08	SW6010	34	36	ND	N	.	0.74		mg/kg
CAN97-BG-09	SW6010	39	41	ND	N	.	0.84		mg/kg
CAN97-BG-10	SW6010	44	46	ND	N	.	0.84		mg/kg
CAN97-BG-11	SW6010	51	53	ND	N	.	0.74		mg/kg
CAN97-BG-12	SW6010	56	58	ND	N	.	0.78		mg/kg
CAN97-BG-13	SW6010	59	61	ND	N	.	0.75		mg/kg
CAN97-BG-99	SW6010	0	2	ND	FD	.	0.71		mg/kg
Silver - 1993									
8201-0	8201	.	.	ND	N	.	1.2		mg/kg
8201-14	8201	.	.	ND	N	.	2.2		mg/kg
8201-18	8201	.	.	ND	N	.	2.1		mg/kg
8201-24	8201	.	.	ND	N	.	0.93		mg/kg
8201-28	8201	.	.	ND	N	.	1.1		mg/kg
8201-40	8201	.	.	ND	N	.	1.1		mg/kg
8201-52	8201	.	.	ND	N	.	1.1		mg/kg
8201-64	8201	.	.	ND	N	.	0.51		mg/kg
8201-74	8201	.	.	ND	N	.	1		mg/kg
8202-14	8202	.	.	ND	N	.	1.1		mg/kg
8202-18	8202	.	.	ND	N	.	1.1		mg/kg
8202-24	8202	.	.	ND	N	.	2.2		mg/kg
8202-28	8202	.	.	ND	N	.	2.1		mg/kg
8202-40	8202	.	.	ND	N	.	1		mg/kg
8202-52	8202	.	.	ND	N	.	1.1		mg/kg
8202-64	8202	.	.	ND	N	.	1		mg/kg
8202-74	8202	.	.	ND	N	.	1		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Sodium - 1992									
CAN97-BG-01	SW6010	.	.	>	N	48	.		mg/kg
CAN97-BG-02	SW6010	4	6	>	N	100	82	@	mg/kg
CAN97-BG-03	SW6010	9	11	>	N	210	78	@	mg/kg
CAN97-BG-04	SW6010	17	19	>	N	200	74	@	mg/kg
CAN97-BG-05	SW6010	19	21	>	N	190	75	@	mg/kg
CAN97-BG-07	SW6010	32	34	>	N	120	78	@	mg/kg
CAN97-BG-08	SW6010	34	36	>	N	97	74	@	mg/kg
CAN97-BG-09	SW6010	39	41	>	N	110	84	@	mg/kg
CAN97-BG-10	SW6010	.	.	>	N	81	.		mg/kg
CAN97-BG-11	SW6010	.	.	>	N	29	.		mg/kg
CAN97-BG-12	SW6010	.	.	>	N	24	.		mg/kg
CAN97-BG-13	SW6010	.	.	>	N	22	.		mg/kg
Sodium - 1993									
8201-0	8201	.	.	ND	N	.	576		mg/kg
8201-14	8201	.	.	ND	N	.	1090		mg/kg
8201-18	8201	.	.	ND	N	.	1060		mg/kg
8201-24	8201	.	.	ND	N	.	1080		mg/kg
8201-28	8201	.	.	ND	N	.	537		mg/kg
8201-40	8201	.	.	>	N	267	.		mg/kg
8201-52	8201	.	.	ND	N	.	526		mg/kg
8201-64	8201	.	.	ND	N	.	513		mg/kg
8201-74	8201	.	.	ND	N	.	508		mg/kg
8202-14	8202	.	.	ND	N	.	529		mg/kg
8202-18	8202	.	.	ND	N	.	544		mg/kg
8202-24	8202	.	.	ND	N	.	1090		mg/kg
8202-28	8202	.	.	ND	N	.	1070		mg/kg
8202-40	8202	.	.	ND	N	.	518		mg/kg
8202-52	8202	.	.	ND	N	.	526		mg/kg
8202-64	8202	.	.	ND	N	.	507		mg/kg
8202-74	8202	.	.	ND	N	.	510		mg/kg
missing		.	.	>	N	515	.	J	mg/kg
missing		.	.	>	N	532	.	J	mg/kg
missing		.	.	>	N	452	.	J	mg/kg
missing		.	.	N	N	.	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Thallium - 1992									
CAN97-BG-01	SW6010	0	2	ND	N	.	7.8		mg/kg
CAN97-BG-02	SW6010	4	6	>	N	2.2	8.2	J	mg/kg
CAN97-BG-03	SW6010	9	11	ND	N	.	7.8		mg/kg
CAN97-BG-04	SW6010	17	19	ND	N	.	7.4		mg/kg
CAN97-BG-05	SW6010	19	21	ND	N	.	7.5		mg/kg
CAN97-BG-07	SW6010	32	34	ND	N	.	7.8		mg/kg
CAN97-BG-08	SW6010	34	36	ND	N	.	7.4		mg/kg
CAN97-BG-09	SW6010	39	41	ND	N	.	8.4		mg/kg
CAN97-BG-10	SW6010	44	46	ND	N	.	8.4		mg/kg
CAN97-BG-11	SW6010	51	53	ND	N	.	7.4		mg/kg
CAN97-BG-12	SW6010	56	58	ND	N	.	7.8		mg/kg
CAN97-BG-13	SW6010	59	61	ND	N	.	7.5		mg/kg
Thallium - 1993									
8201-0	8201	.	.	ND	N	.	0.58		mg/kg
8201-14	8201	.	.	ND	N	.	0.55		mg/kg
8201-18	8201	.	.	ND	N	.	1.1		mg/kg
8201-24	8201	.	.	ND	N	.	1.1		mg/kg
8201-28	8201	.	.	ND	N	.	1.1		mg/kg
8201-40	8201	.	.	ND	N	.	0.53		mg/kg
8201-52	8201	.	.	ND	N	.	0.53		mg/kg
8201-64	8201	.	.	ND	N	.	0.51		mg/kg
8201-74	8201	.	.	ND	N	.	0.51		mg/kg
8202-14	8202	.	.	>	N	0.14	.		mg/kg
8202-18	8202	.	.	ND	N	.	1.1		mg/kg
8202-24	8202	.	.	ND	N	.	1.1		mg/kg
8202-28	8202	.	.	ND	N	.	1.1		mg/kg
8202-40	8202	.	.	ND	N	.	1		mg/kg
8202-52	8202	.	.	ND	N	.	1.1		mg/kg
8202-64	8202	.	.	ND	N	.	0.51		mg/kg
8202-74	8202	.	.	ND	N	.	0.51		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
Vanadium - 1992									
CAN97-BG-02	SW6010	4	6	>	N	17	1.6		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	11	1.6		mg/kg
CAN97-BG-04	SW6010	17	19	>	N	9	1.5		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	14	1.5		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	10	1.6		mg/kg
CAN97-BG-08	SW6010	34	36	>	N	9.9	1.5		mg/kg
CAN97-BG-09	SW6010	39	41	>	N	15	1.7		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	14	1.7		mg/kg
CAN97-BG-11	SW6010	51	53	>	N	6.6	1.5	@	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	5.2	1.6	@	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	5	1.5	@	mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	17	1.4		mg/kg
Vanadium - 1993									
8201-0	8201	.	.	>	N	21.5	.		mg/kg
8201-14	8201	.	.	>	N	13.2	.		mg/kg
8201-18	8201	.	.	>	N	14.2	.		mg/kg
8201-24	8201	.	.	>	N	12.2	.		mg/kg
8201-28	8201	.	.	>	N	15.5	.		mg/kg
8201-40	8201	.	.	>	N	12.6	.		mg/kg
8201-52	8201	.	.	>	N	14.7	.		mg/kg
8201-64	8201	.	.	>	N	7.9	.		mg/kg
8201-74	8201	.	.	>	N	5.2	.		mg/kg
8202-14	8202	.	.	>	N	11.6	.		mg/kg
8202-18	8202	.	.	>	N	14.3	.		mg/kg
8202-24	8202	.	.	>	N	12.2	.		mg/kg
8202-28	8202	.	.	>	N	11.7	.		mg/kg
8202-40	8202	.	.	>	N	9.9	.		mg/kg
8202-52	8202	.	.	>	N	14.7	.		mg/kg
8202-64	8202	.	.	>	N	5.4	.		mg/kg
8202-74	8202	.	.	>	N	7.3	.		mg/kg
missing		.	.	>	N	17.7	.		mg/kg
missing		.	.	>	N	17.6	.		mg/kg
missing		.	.	>	N	8.5	.	J	mg/kg
missing		.	.	>	N	19.5	.		mg/kg
missing		.	.	>	N	20.5	.		mg/kg
missing		.	.	>	N	23.6	.		mg/kg
missing		.	.	>	N	16.3	.		mg/kg
missing		.	.	>	N	17.6	.		mg/kg
missing		.	.	>	N	16.2	.		mg/kg
missing		.	.	>	N	19.7	.		mg/kg
missing		.	.	>	N	16.4	.		mg/kg
missing		.	.	>	N	20.5	.		mg/kg
missing		.	.	>	N	28.3	.		mg/kg
missing		.	.	>	N	19.5	.		mg/kg
missing		.	.	>	N	13.5	.		mg/kg
missing		.	.	>	N	12.6	.		mg/kg
Zinc - 1992									
CAN97-BG-02	SW6010	4	6	>	N	15	1.6		mg/kg
CAN97-BG-03	SW6010	9	11	>	N	12	1.6		mg/kg

Appendix H. Section 3: Compiled Background Data for Metals Collected at Cannon Landfill No. 25

Source Date* - Chemical/ sample_id	method	begin_dpth	end_dpth	res_flag	type	res	rep_lim	foot	units
CAN97-BG-04	SW6010	17	19	>	N	8.7	1.5		mg/kg
CAN97-BG-05	SW6010	19	21	>	N	13	1.5		mg/kg
CAN97-BG-07	SW6010	32	34	>	N	7.8	1.6	@	mg/kg
CAN97-BG-08	SW6010	34	36	>	N	7.2	1.5	@	mg/kg
CAN97-BG-09	SW6010	39	41	>	N	8.5	1.7		mg/kg
CAN97-BG-10	SW6010	44	46	>	N	6.9	1.7	@	mg/kg
CAN97-BG-11	SW6010	51	53	>	N	4.3	1.5	@	mg/kg
CAN97-BG-12	SW6010	56	58	>	N	4.2	1.6	@	mg/kg
CAN97-BG-13	SW6010	59	61	>	N	4	1.5	@	mg/kg
CAN97-BG-99	SW6010	0	2	>	FD	15.5	1.4		mg/kg
Zinc - 1993									
8201-0	8201	.	.	>	N	27.5	.		mg/kg
8201-14	8201	.	.	ND	N	.	15.2		mg/kg
8201-18	8201	.	.	ND	N	.	11.4		mg/kg
8201-24	8201	.	.	ND	N	.	8.8		mg/kg
8201-28	8201	.	.	ND	N	.	11.2		mg/kg
8201-40	8201	.	.	ND	N	.	10.5		mg/kg
8201-52	8201	.	.	ND	N	.	8.3		mg/kg
8201-64	8201	.	.	ND	N	.	4.8		mg/kg
8201-74	8201	.	.	ND	N	.	4.3		mg/kg
8202-14	8202	.	.	ND	N	.	11.4		mg/kg
8202-18	8202	.	.	ND	N	.	12.6		mg/kg
8202-24	8202	.	.	ND	N	.	6.9		mg/kg
8202-28	8202	.	.	ND	N	.	7.7		mg/kg
8202-40	8202	.	.	ND	N	.	7.9		mg/kg
8202-52	8202	.	.	ND	N	.	6.8		mg/kg
8202-64	8202	.	.	ND	N	.	4.3		mg/kg
8202-74	8202	.	.	ND	N	.	6.1		mg/kg
missing		.	.	>	N	18.6	.		mg/kg
missing		.	.	>	N	21.4	.		mg/kg
missing		.	.	>	N	10.3	.		mg/kg
missing		.	.	>	N	17.4	.		mg/kg
missing		.	.	>	N	19.5	.		mg/kg
missing		.	.	>	N	5.5	.		mg/kg
missing		.	.	>	N	13.3	.		mg/kg
missing		.	.	>	N	14.4	.		mg/kg
missing		.	.	>	N	7.9	.		mg/kg
missing		.	.	>	N	11.6	.		mg/kg
missing		.	.	>	N	11.3	.		mg/kg
missing		.	.	>	N	16.4	.		mg/kg
missing		.	.	>	N	13.4	.		mg/kg
missing		.	.	>	N	9.6	.		mg/kg
missing		.	.	N	N	.	.		mg/kg
missing		.	.	N	N	.	.		mg/kg

* Background data for Metals collected at Landfill No. 25 was compiled from the 1992 RI (Radian, 1992) and the Cannon Background Data Report (Woodward- Clyde, 1993)

APPENDIX H Section 4:

Concentration/Toxicity Screen Results

Chemical	Concentration (ug/kg)	Concentration (mg/kg)	% Detects	RfD	Class	SF	Carc. Risk	Non-carc. Risk	% of Total Carc.	% of Total Non-carc.
2,4-DB	3.4E+01	0.034	<5	0.008		NA	---	4.25	---	0.001961711
2-Hexanone	5.0E+00	0.005	< 5				---	---	---	---
4-Aminobiphenyl	840	0.84	< 5				---	---	---	---
Acetone	7.8E+01	0.078	< 5	0.01	D		---	7.8	---	0.003600317
alpha-BHC	2.4E+00	0.0024	< 5	NA	B2	6.3	0.01512	---	0.000175818	---
Butylbenzylphthalate	0.047	0.000047	< 5	0.2	C		---	0.000235	---	1.08471E-07
Carbon disulfide	4.5E+00	0.0045	< 5	0.1		NA	---	0.045	---	2.07711E-05
Chlorobenzene	2.0E+00	0.002	< 5	0.02	D		---	0.1	---	4.61579E-05
Dibenzofuran	78	0.078	< 5	NA	D		---	---	---	---
Dibutylphthalate	310	0.31	< 5	0.01	D		---	31	---	0.014308951
Endosulfan I	8.5E+00	0.0085	< 5	0.00005		NA	---	170	---	0.078468443
Endosulfan II	1.7E+00	0.0017	< 5	0.00005		NA	---	34	---	0.015693689
Endosulfan Sulfate	3.8E+01	0.038	< 5				---	---	---	---
Endrin Aldehyde	4.4E+00	0.0044	< 5				---	---	---	---
Endrin Ketone	1.1E+01	0.011	< 5				---	---	---	---
Ethylbenzene	4.9E+01	0.049	< 5	0.01	D		---	4.9	---	0.002261737
Fluorene	83	0.083	< 5	0.04	D		---	2.075	---	0.000957777
Gasoline (2)	54E+02	5.4	< 5	0.241	C	0.0017	0.00918	22.406639	0.000106746	0.010342436
MCPP	93E+02	9.3	< 5	0.001		NA	---	9300	---	4.292685426
Trichloroethene	1.9E+00	0.0019	< 5	NA		NA	---	---	---	---
Diesel	12E+04	120	< 5	0.008	D		---	15000	---	6.923686171
2,4,5-T	9.6E+00	0.0096	< 5	0.01		NA	---	0.96	---	0.000443116
2,4-D	8.2E+00	0.0082	< 5	0.01		NA	---	0.82	---	0.000378495
Acenaphthene	110	0.11	< 5	0.06		NA	---	1.8333333	---	0.000846228
Dibenz(a,h)anthracene	89	0.089	< 5	NA	B2	8.1	0.7209	---	0.008382737	---
Chlordane	1.7E+01	0.017	< 5	0.00006	B2	1.3	0.0221	283.33333	0.000256982	0.130780739
Dichloroprop	6.7E+02	0.67	< 5	0.01			---	67	---	0.030925798
2,4,5-TP (Silvex)	4.2	0.0042	5.1	0.008	D		---	0.525	---	0.000242329
delta-BHC	1E+00	0.001	5.1	NA	D		---	---	---	---
Dieldrin	9.2	0.0092	5.1	0.00005	B2	16	0.1472	184	0.001711664	0.08493055
2-Methylnaphthalene	160	0.16	5.9				---	---	---	---
Naphthalene	110	0.11	5.9	0.04	D		---	2.75	---	0.001269342
Anthracene	6000	6	6.8	0.03	D	2.34	14.04	200	0.163259304	0.092315816
*Benzene	8.2E+00	0.0082	6.8	NA	A	0.029	0.000238	---	2.76518E-06	---
Benzo(g,h,i)perylene	1000	1	6.8	NA	D	0.161	0.161	---	0.001872133	---

Chemical	Concentration (ug/kg)	Concentration (mg/kg)	% Detects	RfD	Class	SF	Carc. Risk	Non-carc. Risk	% of Total Carc.	% of Total Non-carc.
Endrin	3.8E+01	0.038	6.8	0.0003	D		---	126.66667	---	0.058466683
Indeno(1,2,3-cd)pyrene	300	0.3	6.8	NA	B2	1.69	0.507	---	0.005895475	---
Xylenes	2.5E+01	0.025	6.8	2	D		---	0.0125	---	5.76974E-06
Aldrin	5.7E+00	0.0057	7.6	0.00003	B2	17	0.0969	190	0.001126768	0.087700025
gamma-BHC	7.5E+00	0.0075	8.5	0.0003	B2/C	1.3	0.00975	25	0.000113375	0.011539477
Benzo(a)anthracene	730	0.73	9.3	NA	B2	1.06	0.7738	---	0.008997867	---
Chrysene	780	0.78	9.3	NA	B2	0.0321	0.025038	---	0.000291146	---
Phenanthrene	540	0.54	9.3	NA	D		---	---	---	---
Benzo(a)pyrene	9.7E-01	970	10.2	NA	B2	7.3	7081	---	82.33896942	---
Benzo(b)fluoranthene	1E+00	1000	10.2	NA	B2	1.02	1020	---	11.86071866	---
Benzo(k)fluoranthene	1E+00	1000	10.2	NA	B2	0.4821	482.1	---	5.605933789	---
beta-BHC	1.2E+01	0.012	10.2	NA	C	1.8	0.0216	---	0.000251168	---
Fluoranthene	1.1E+00	1100	11	0.04	D		---	27500	---	12.69342465
Pyrene	9.7E-01	970	11	0.03	D		---	32333.333	---	14.92439019
Heptachlor epoxide	9.6E+00	0.0096	11.9	0.000013	B2	9.1	0.08736	738.46154	0.001015836	0.340858396
Heptachlor	5.9E+00	0.0059	13.6	0.0005	B2	4.5	0.02655	11.8	0.000308728	0.005446633
4,4'-DDD	9.9E+00	0.0099	22	NA	B2	0.24	0.002376	---	2.76285E-05	---
Methylene chloride	1.0E+02	0.1	26.3	0.06	B2	0.0075	0.00075	1.6666667	8.72112E-06	0.000769298
Hydrocarbons	9900	9900000	38.1				---	---	---	---
4,4'-DDE	3.5E+01	0.035	40.7	NA	B2	0.34	0.0119	---	0.000138375	---
4,4'-DDT	110	0.11	44.1	0.005	B2	0.34	0.0374	22	0.000434893	0.01015474
Toluene	220	0.22	48.3	0.2	D		---	1.1	---	0.000507737
Aluminum	20000000	20000	100				---	---	---	---
Arsenic	9.00E+03	9	97.6	0.0003			---	30000	---	13.84737234
Manganese	460000	460	99	0.005	D		---	92000	---	42.46527518
Thallium	190	0.19	70	0.00008	D		---	2375	---	1.09625031
Vanadium	39000	39	100	0.007	NA		---	5571.4286	---	2.571654863
Zinc	130000	130	100	0.3	D		---	433.33333	---	0.2000176
Total Risk Factor							8599.816	216647.6	100	100
NOTES:										
* Class A Carcinogen - Not Eliminated										
Shaded Chemicals Eliminated from Quantitative Risk Assessment										

APPENDIX I

STATISTICAL COMPARISON OF BACKGROUND AND SITE SAMPLE RESULTS FOR INORGANIC CHEMICALS FOR LANDFILL NO. 25 CANNON AFB, CLOVIS, NEW MEXICO

1.0 INTRODUCTION

Chemicals of potential concern for use in a risk assessment are identified, in part, by determining if concentrations at a site are statistically greater than naturally-occurring background concentrations. For Cannon Air Force Base (CAFB), inorganic chemicals of potential concern were identified for soil matrices by statistically comparing data from the Landfill No. 25 site to data from background areas. The criteria used to select organic chemicals of potential concern are discussed in the text, Section 6.1. The following nineteen inorganic chemicals were statistically evaluated to determine whether site concentrations were significantly greater than background concentrations:

- Aluminum
- Antimony
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Manganese
- Mercury
- Molybdenum
- Nickel
- Selenium
- Silver
- Thallium
- Vanadium
- Zinc

The U.S. Environmental Protection Agency (EPA) has issued guidance for detection monitoring programs being conducted under the requirements associated with the Resource Conservation and Recovery Act (RCRA). This guidance, entitled "Statistical Analysis of Ground Water Monitoring Data at RCRA Facilities," (EPA, 1989) provides a framework for determining an appropriate statistical method for comparison of upgradient (i.e., unaffected or background) and downgradient groundwater data. In June 1992, the EPA issued an addendum to this guidance (EPA, 1992). This most recent

guidance was followed for the Landfill No. 25 soil comparisons so that statistical decisions reached here would be based on a recognized and accepted approach.

Following the RCRA guidance, the first step in determining an appropriate statistical procedure is to determine the percentage of detected concentrations for both the background and the site. To perform a statistical comparison between Landfill No. 25 and background, there must be enough detected results to characterize the statistical distributions of the background and the site. If there are no detectable concentrations on both background and site, performing a statistical test based on only estimates of the data is not recommended. Because all of the analytes had at least one detectable concentration, a statistical test could be performed for all analytes.

The type of statistical test performed is dependent on both the percentage of detections of an analyte and the distribution of the concentrations of that analyte. Figure I-1 illustrates the decision tree used to determine the most appropriate statistical test. For example, when the percentage of detections on the background or site is less than 50% but greater than 10%, the Wilcoxon rank sum test (Wilcoxon test) is the most appropriate statistical test to use. The Wilcoxon test is also used when the percentage of detections is greater than 50% and the distribution of the concentrations is neither normal nor lognormal. When the percentage of detects is greater than 50% and the data is distributed normally or lognormally, the Student's t-test is more appropriate. Details of each statistical test are given in Section 3.0 of this Appendix.

Table I-1 summarizes the results of the statistical comparisons. In all cases, the final determination of whether or not to include constituents in the risk assessment were based on the judgement of those preparing the risk assessment using as a criteria, the relative hazard or risk a chemical constituent poses to human health and the environment.

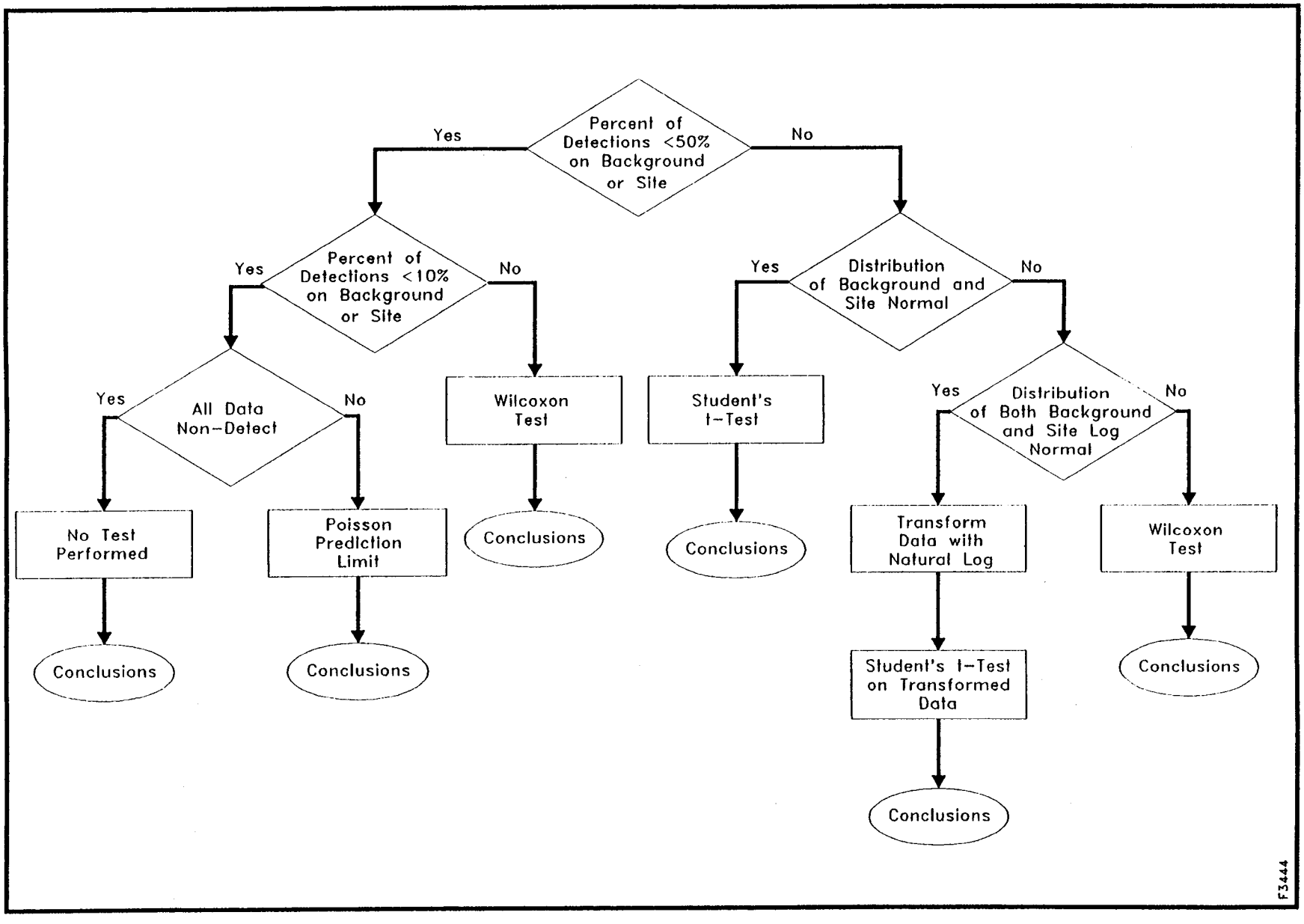


Figure I-1. Decision Tree for Determining Appropriate Statistical Tests

Table I-1

Summary of Soil Core Sample Statistical Results for Landfill No. 25, Cannon AFB, Clovis, New Mexico

Analyte	Statistical Test	Conclusion
Aluminum	Wilcoxon	S
Antimony	Poisson	NS
Arsenic	Wilcoxon	S
Barium	Log t-test	NS
Beryllium	Wilcoxon	NS
Cadmium	Wilcoxon	NS
Chromium	Wilcoxon	NS
Cobalt	Wilcoxon	NS
Copper	Wilcoxon	NS
Lead	Wilcoxon	NS
Manganese	Wilcoxon	S
Mercury	Wilcoxon	NS
Molybdenum	Wilcoxon	NS
Nickel	t-test	NS
Selenium	Wilcoxon	NS
Silver	Poisson	NS
Thallium	Poisson	S
Vanadium	Wilcoxon	S
Zinc	Wilcoxon	S

S = Significantly different from background
NS = Not significantly different from background
α = 0.05

The RCRA guidance (EPA, 1992) details two types of statistical comparisons that can be made between samples collected from background and downgradient sites. These two types of statistical comparisons are distributional tests and extreme value tests. Distributional tests are statistical tests used to determine whether the central tendencies of two groups of data are similar. Extreme value tests are statistical tests used to compare individual results (e.g., results from an affected site) to results from a distribution (e.g., the distribution of the background data). The objective of the statistical analysis for the risk assessment was to determine if average site concentrations differed significantly from average background concentrations. Therefore, distributional tests were chosen for the risk analysis.

In the discussion of the analytical results, presented in Section 4.0 of the RI report, extreme value tests (see Appendix F) were performed to determine if individual site concentrations differed significantly from background. The statistical tests discussed in Section 4.0 of the RI report and the statistical tests performed for the risk assessment were chosen to answer two different questions, and thus the results may differ somewhat. A distributional test answers the question: Overall, is the affected area chemically different from background? On the other hand, an extreme value test answers the question: Does the site have any "hot spots", or certain areas of contamination? Both questions are important, but the answer to one does not necessarily affect the answer to the other. For example, the distributional test may possibly show that for a particular analyte, concentrations in Landfill No. 25 samples are no different from background concentrations, on the average. The extreme value test discussed in Section 4.0 of the RI report may show that for that same analyte, there is an individual site result that is statistically greater than the distribution of background concentrations. This does not indicate that the results from these tests are inconsistent, but rather, that it is possible for the background and Landfill No. 25 sample concentrations to be statistically equivalent <u>on the average</u> and still have extreme concentrations from one or more samples that are statistically greater than the distribution of background data.

2.0 STATISTICAL ANALYSIS AND RESULTS

This section presents the details of the statistical tests used to determine if samples from Landfill No. 25 soil indicate the presence of contamination at any borehole location. The results of these statistical tests are also presented. Tables of descriptive statistics used in each comparison, along with results of the comparison (e.g., p-values) are also given in this section.

The statistical comparison of background to Landfill No. 25 for soil began by determining the number of quantifiable observations (i.e., observations above the reporting limits) for each analyte. Table I-2 presents the number of analyses, the number detected, and the percent detected in background and Landfill No. 25 samples for each of the analytes of concern. Distributional tests were performed to determine the most appropriate statistical test to perform. As mentioned previously, Figure I-1 illustrates the decision tree for determining the most appropriate statistical test. If there are more than 50% detectable concentrations, and if the data are normally distributed, or can easily be transformed to a normal distribution, then the Student's t-test is the test of choice. If not, then the Wilcoxon rank sum test is used. The Wilcoxon test is also used when the percentage of detections on the background or site is less than 50% but greater than 10% . If there are less than 10% but more than 0% detectable concentrations, the Poisson prediction limit test is used. For the Landfill No. 25 data analysis, the Wilcoxon test was used on data from fourteen of the nineteen analytes. The Poisson test was used for data from three analytes, the log t-test was used for data from one analyte, and the normal t-test was used for data from one analyte.

This section presents detailed descriptions of the statistical tests performed and the results of these tests. Section 2.1 describes the test of normality and details the results of this test. Sections 2.2, 2.3, and 2.4 describe the Student's t-test, the Wilcoxon test, and the Poisson test, respectively. Section 2.5 presents summary statistics for all of the analytes.

Table I-2

Frequency of Detection for Soil Core Data for Landfill No. 25
Cannon AFB, Clovis, New Mexico

Analyte	Background			Landfill No. 25		
	Number of Analyses	Number of Detected Values	Percentage of Detected Values	Number of Analyses	Number of Detected Values	Percentage of Detected Values
Aluminum	45	45	100.0	125	125	100.0
Antimony	20	3	15.0	14	13	92.9
Arsenic	49	49	100.0	125	122	97.6
Barium	52	52	100.0	126	125	99.2
Beryllium	34	30	88.2	127	124	97.6
Cadmium	38	21	55.3	126	100	79.4
Chromium	53	53	100.0	126	125	99.2
Cobalt	45	42	93.3	126	124	98.4
Copper	40	24	60.0	129	125	96.9
Lead	53	53	100.0	126	126	100.0
Manganese	45	45	100.0	127	126	99.2
Mercury	29	11	37.9	130	56	43.1
Molybdenum	12	12	100.0	102	102	100.0
Nickel	45	44	97.8	126	126	100.0

Table I-2

(Continued)

Analyte	Background			Landfill No. 25		
	Number of Analyses	Number of Detected Values	Percentage of Detected Values	Number of Analyses	Number of Detected Values	Percentage of Detected Values
Selenium	35	14	40.0	129	74	57.4
Silver	29	0	0.0	126	11	8.7
Thallium	29	2	6.9	139	127	69.8
Vanadium	45	45	100.0	127	127	100.0
Zinc	43	27	62.8	126	126	100.0

2.1 Tests of Normality

Statistical assumptions concerning the distribution of the data must be verified for those data sets having a sufficient number of detected results in background and Landfill No. 25 data. For example, an assumption when performing the Student's t-test is that the data are normally distributed with equal variances. The Shapiro-Wilk normality test was used to determine if results from the Landfill No. 25 site were normally distributed. A test statistic, **w**, is computed to test the hypothesis that the input data come from a normal distribution. The probability of a more extreme value of **w** is also computed. This probability value (p-value) is an indicator of whether enough information is available to conclude that results are not normally distributed. The p-value is compared to a significance level or alpha level, in this case 0.05. If the p-value is greater than 0.05, the data are considered to follow a normal distribution. A p-value that is less than 0.05 indicates that the data are not normally distributed.

The Shapiro-Wilk test (Snedecor, et al, 1989) was first performed on the raw data from both the background and Landfill No. 25 site. As mentioned above, the p-values of these tests indicate whether the hypothesis of normality can be accepted or rejected. Therefore, the first statistical test performed is to determine whether the data from a site are normally distributed. If the test shows the data are not normally distributed, the data are then tested for log normality. This is done by performing the Shapiro-Wilk test on the natural logarithms of the data. If the test shows that the data are neither normal nor log-normal (i.e., if the p-value for both untransformed and log-transformed data is less than 0.05), then the data are concluded to follow neither a normal nor a log-normal distribution and the distribution is classified as unknown. After deciding what distribution the data follow, an appropriate test is chosen for comparing background to Landfill No. 25 data based on the distribution of <u>both</u> the background and downgradient data.

Table I-3 presents the results of the Shapiro-Wilk test performed on those analytes that had sufficient data detected in background and Landfill No. 25 samples. The test was performed to test for normality, and if the data were not normally distributed, the test was performed on the log-transformed data to test for log-normality. As shown in Table I-3, four of the analytes had the same distribution type for both background and Landfill No. 25 data sets (barium, lead, nickel, and thallium). When the distribution type differs between background and the site, then the overall distribution type of that analyte (i.e., the distribution type that describe both background and the site) is considered to be unknown. It is this overall distribution type that is an important factor in determining the most appropriate statistical test.

2.2 Student's t-test

The Student's t-test was used to compare average concentrations of inorganic constituents in soil from background to the Landfill No. 25 site, when there were sufficient detected results (>50%) and when the data sets were normally distributed. The Student's t-test is a commonly used parametric statistical method. Generally, the Student's t-test is considered robust, i.e., unaffected by large deviations from basic assumptions. However, like any statistical test, the occurrence of false-positive or false-negative conclusions will increase as deviations from assumptions increase.

The t distribution, which is used as the basis for the Student's t-test, is bell shaped, with mean $\bar{x}$ and variance s^2. The shape of the distribution is related to the number of samples used to estimate the mean and variance. The t distribution is primarily used for statistics and hypothesis tests when the sample size is small.

The two primary underlying assumptions made when using a t-test to evaluate two mean values is that the data are from samples randomly drawn from two

Table I-3

Conclusions of the Shapiro-Wilk Distributional Test for Landfill No. 25 Cannon AFB, Clovis, New Mexico

Analyte	Background Distribution	Landfill Distribution	Overall Distribution
Aluminum	Normal	Neither	Neither
Antimony	Neither	Lognormal	Neither
Arsenic	Neither	Neither	Neither
Barium	Lognormal	Lognormal	Lognormal
Beryllium	Lognormal	Neither	Neither
Cadmium	Neither	Neither	Neither
Chromium	Neither	Neither	Neither
Cobalt	Normal	Neither	Neither
Copper	Neither	Neither	Neither
Lead	Neither	Lognormal	Neither
Manganese	Lognormal	Neither	Neither
Mercury	Neither	Neither	Neither
Molybdenum	Normal	Neither	Neither
Nickel	Normal	Normal	Normal
Selenium	Neither	Neither	Neither
Silver	Neither	Neither	Neither
Thallium	Neither	Neither	Neither
Vanadium	Normal	Lognormal	Neither
Zinc	Lognormal	Neither	Neither

independent and normally distributed populations (SAS, 1989b). Independence means that a result from one sampled location does not influence the result from another sampled location. Normally distributed means that the population data fits a bell shaped pattern. However, environmental data is rarely normally distributed. Both the background results and the site results were evaluated separately to determine if they were normally distributed. Where results were not normally distributed, the natural log transform of the results were tested. If the log transformed results were normal, the population was assumed to be log-normal and the Student's t-test was used to compare the means of log transformed results. Thus, results of the normality tests were used to determine if the Student's t-test was appropriate on an analyte-by-analyte basis.

To compare background to Landfill No. 25, the Student's t-test was constructed such that the null hypothesis (H_o) stated that the average inorganic concentration from Landfill No. 25 samples is less than or equal to the average inorganic concentration in background samples. In order to reject the null hypothesis, the data must show that the alternative hypothesis is true, i.e., that the average landfill concentration is greater than the average background concentration. Thus, for analytes with normally distributed background results, the null hypothesis is formulated as follows:

H_o: $\bar{x}_o \leq \bar{x}_b$ (the average Landfill No. 25 concentration is less than or equal to the background concentration.),

and the alternative hypothesis was:

H_a: $\bar{x}_o > \bar{x}_b$ (the average Landfill No. 25 concentration is greater than the background concentration.) ,

where: $\bar{x}_o$ = the average concentration of Landfill No. 25 samples; and
$\bar{x}_b$ = the average concentration of background samples.

Under the stated null hypothesis, the probability of a difference in the average concentrations as large or larger than the observed difference was computed. This is the calculated *p-value*. The p-value is the smallest value for which a test result becomes statistically significant. If the calculated p-value was less than or equal to some critical value α (0.05 for this report), then the null hypothesis is rejected and the conclusion is that the landfill soil is significantly different than background soil. Otherwise there was insufficient evidence to reject the null hypothesis.

The p-value is a function of the calculated Student's t statistic. The Student's t statistic is calculated as follows:

$$\text{Student's t statistic (t)} = \frac{\bar{X}_o - \bar{X}_B}{S_{\bar{X}_o - \bar{X}_B}}$$

where:

$$\text{Pooled standard deviation} = S_{\bar{X}_o - \bar{X}_B}$$

$$= \sqrt{\frac{n_o (S_o)^2 + n_B (S_b)^2}{n_o + n_B}}$$

$$\text{Variance} = S^2$$

$$= \frac{\sum_{i=1}^{n} (X_i - \bar{X})^2}{n - 1}$$

$$\text{Mean} = \bar{X}$$

$$= \frac{\Sigma X_i}{n} ,$$

The normal Student's t-test was performed on only one analyte, nickel. The concentrations of nickel were found to be not significantly different between Landfill No. 25 and background. The lognormal t-test was performed on one analyte, barium. The concentrations of barium were found not to be significantly different between Landfill No. 25 and background. The results of this test are located in Attachment I-1 of this Appendix.

2.3 Wilcoxon Rank Sum Test

The Wilcoxon rank sum test (Wilcoxon test) was used to compare Landfill No. 25 results to background when a sufficient number of the samples resulted in detections (>50%) and the sample result population distribution was neither normal, nor log-normal. The Wilcoxon test is similar to the Student's t-test in that it compares measures of central tendency, but it does not require that the sample data set be from a normal population. The SAS® procedure NPAR1WAY (SAS Inst., 1989) was used to compute the p-value for each comparison.

As shown by Gilbert (1987), the Wilcoxon test has two advantages over the independent sample t-test:

- Sample data sets do not have to be from a normal distribution; and
- The Wilcoxon test can handle *non-detects* by treating them as ties.

The Wilcoxon test is a test of central tendency, like the t-test, so null and alternative hypotheses are similar to those used for the t-test, although the rank mean is the parameter of interest rather than the mean. The rank mean is determined for a given analyte by first ordering the complete set of concentrations for that analyte from lowest to highest. The lowest concentration is assigned the rank 1, the next lowest is assigned rank 2, and so on. Average ranks are used whenever ties occur. The rank mean is then calculated for the background and the site by taking the arithmetic average of the ranks.

Like the mean, the rank mean is a measure of central tendency, but it is influenced less by outliers in the data set. A significance level of 0.05 (i.e., $\alpha = 0.05$) was used in performing the Wilcoxon test.

The Wilcoxon hypothesis test assumes as the null hypothesis (H_o) that the rank mean in Landfill No. 25 samples is less than or equal to the rank mean in background. The alternative hypothesis that must be proved is that the rank mean from the affected area (Landfill No. 25) is greater than the rank mean from the background data set. Thus, the null hypothesis is formulated as follows:

H_o: $M_o \leq M_b$ (the rank mean from Landfill No. 25 is less than or equal to the rank mean from background data.),

and the alternative hypothesis was:

H_a: $M_o > M_b$ (the rank mean from Landfill No. 25 is greater than the rank mean background concentration.),

where: M_o = the rank mean from Landfill No. 25 data; and

M_b = the rank mean from background data.

Under this null hypothesis, the probability of a difference in the rank means as large or larger than the observed difference is computed. This is the calculated p-value. If the calculated p-value is less than or equal to some critical value α (0.05 for this report), then the null hypothesis is rejected and the affected area is considered different. Otherwise there is insufficient evidence to reject the null hypothesis.

Table I-4 shows the results of the Wilcoxon rank test. As shown in the table, the test conclusions indicate that there is a significant difference between the background and the Landfill No. 25 data rank means for aluminum, arsenic, manganese, vanadium, and zinc. Thus, it can be concluded that Landfill No. 25 sample

Table I-4

Wilcoxon Test Results for Inorganic Constituents Detected at Landfill No. 25
Cannon AFB, Clovis, New Mexico

Analyte	Background			Landfill No. 25			P-Value	Conclusion
	Number of Analyses	Number of Detected Values	Rank Mean	Number of Analyses	Number of Detected Values	Rank Mean		
Aluminum	45	45	58.85	125	125	95.09	0.0001	S
Arsenic	49	49	73.03	125	122	93.17	0.0094	S
Beryllium	34	30	77.03	127	124	82.06	0.2891	NS
Cadmium	38	21	112.54	126	100	73.44	1.0000	NS
Chromium	53	53	84.30	126	125	92.40	0.1710	NS
Cobalt	45	42	81.94	126	124	87.45	0.2620	NS
Copper	40	24	79.03	129	125	86.85	0.1895	NS
Manganese	45	45	74.30	127	126	90.82	0.0288	S
Mercury	29	11	137.90	130	56	67.08	1.0000	NS
Selenium	35	14	108.89	129	74	75.34	0.9999	NS
Vanadium	45	45	72.46	127	127	91.48	0.0145	S
Zinc	43	27	56.55	126	126	94.71	0.0001	S

S = Significantly different from background
NS = Not significantly differentfrom background
α = 0.05

concentrations do consistently differ from background concentrations for these five analytes. The results of this test are located in Attachment I-1 of this Appendix.

2.4 Poisson Prediction Limit

When an analyte has between 0% and 10% detected concentrations, detected samples can often be modeled as "rare events" by using the Poisson distribution. As described in the RCRA guidance, the Poisson model "describes the behavior of a series of independent events over a large number of trials, where the probability of occurrence is low but stays constant from trial to trial" (EPA, 1992). In the Poisson model, each particle of contamination is counted separately but cumulatively, so that the counts for detected samples with high concentrations are larger than counts for samples with smaller concentrations. Counts for nondetected values are set equal to one-half the detection limit. The advantage of the Poisson model over a Binomial (Test of Proportions) model is that it utilizes not only the rate of occurrence of detected concentrations, but also the magnitudes of those concentrations.

The goal of the upper Poisson prediction limit is to predict the upper limit of the sum of the Poisson counts of k sample measurements collected from the site, based on the sum of the Poisson counts of n sample measurements collected from background. Should the actual sum of the Poisson counts of the k sample measurements exceed the calculated upper limit, then there is significant evidence of contamination on the site. If not, the site may be regarded as clean. The equation for determining the upper Poisson prediction limit is:

$$T_k = cT_n + \frac{ct^2}{2} + ct\sqrt{T_n(1 + \frac{1}{c}) + \frac{t^2}{4}}$$

where: T_k = the sum of the Poisson counts of k sample measurements;

T_n	=	the sum of the Poisson counts of n background measurements;
c	=	k/n; and
t	=	the upper $(1-\alpha)$ percentile of the Student's t distribution with n-1 degrees of freedom.

Prediction limits specify an interval computed from n previous measurements (e.g., n background measurements) that will contain k future measurements (e.g., k site measurements). In this context, prediction limits do not constitute a statistical test of the null hypothesis that the site observations were drawn from the same distribution as the background observations. Therefore, p-values cannot be determined for prediction limits as with hypothesis tests. The prediction limits used, however, are 95% prediction limits. The 95% level represents the confidence level of the prediction limits.

The Poisson prediction limit test was appropriate for three analytes, antimony, silver and thallium. Concentrations of antimony and silver were found to be not significantly different between Landfill No. 25 and background, whereas concentrations of thallium were found to be significantly different. The results of the test are located in Attachment I-1 of this Appendix.

2.5 Summary Statistics

Summary statistics were calculated for all of the analytes in both background and Landfill No. 25 samples. Results of the statistics are presented in Tables I-5 and I-6. The first columns under the background data and Landfill No. 25 data in Tables I-5 and I-6 show the number of analyses and the number of detected values in background and Landfill No. 25 data for a particular analyte. Also presented in Tables I-5 and I-6 are the mean, the minimum, and the maximum concentration for each analyte, where one-half the reporting limit is used to estimate non-detectable

Table I-5

Background Summary Statistics for Inorganic Constituents Detected at Landfill No. 25 Cannon AFB, Clovis, New Mexico

Analyte	Number of Analyses	Number of Detected Values	Mean Concentration[a]	Minimum Concentration[a]	Maximum Concentration[a]	Minimum Reporting Limit	Maximum Reporting Limit
Aluminum	45	45	5690	1410	11,000	14	17
Antimony	20	3	3.77	0.01	6.55	0.47	13.1
Arsenic	49	49	3.55	0.63	28.0	0.28	0.60
Barium	52	52	169	7.60	1200	0.71	0.84
Beryllium	34	30	0.31	0.07	0.77	0.14	0.21
Cadmium	38	21	0.98	0.07	4.20	0.37	1.10
Chromium	53	53	6.73	1.60	15.40	0.71	0.84
Cobalt	45	42	2.16	0.50	5.30	0.74	2.20
Copper	40	24	3.54	0.69	18.3	1.40	4.40
Lead	53	53	7.97	1.10	46.0	0.21	1.00
Manganese	45	45	64.5	17.0	216	0.71	0.84
Mercury	29	11	0.05	0.02	0.06	0.04	0.12
Molybdenum	12	12	0.29	0.08	0.51	3.70	4.20

Table I-5

(Continued)

Analyte	Number of Analyses	Number of Detected Values	Mean Concentration[a]	Minimum Concentration[a]	Maximum Concentration[a]	Minimum Reporting Limit	Maximum Reporting Limit
Nickel	45	44	5.31	1.30	12.50	1.50	6.70
Selenium	35	14	13.6	0.00	124	0.35	2.20
Silver	29	0	0.54	0.26	0.42	0.51	2.20
Thallium	29	2	1.77	0.14	4.20	0.51	8.40
Vanadium	45	45	13.9	5.00	28.3	1.40	1.70
Zinc	43	27	9.17	2.15	27.5	1.40	15.2

[a] Non-detected values are included in these statistics as one-half their reporting limit.

Table I-6

Summary Statistics for Landfill No. 25, Cannon AFB, Clovis, New Mexico

Analyte	Number of Analyses	Number of Detected Values	Mean Concentration[a]	Minimum Concentration[a]	Maximum Concentration[a]	Minimum Reporting Limit	Maximum Reporting Limit
Aluminum	125	125	9070.00	1500.00	21000.00	14.00	300.00
Antimony	14	13	0.08	0.02	0.25	0.46	0.57
Arsenic	125	122	2.81	0.02	9.00	0.29	0.77
Barium	126	125	207.30	1.95	1700.00	0.68	15.00
Beryllium	127	124	0.33	0.01	0.85	0.14	0.78
Cadmium	126	100	0.27	0.00	1.70	0.34	2.00
Chromium	126	125	7.28	0.43	17.00	0.68	1.00
Cobalt	126	124	2.29	0.38	5.00	0.68	3.90
Copper	129	125	3.50	0.62	13.00	1.40	7.80
Lead	126	126	5.63	0.63	120.00	0.22	9.30
Manganese	127	126	91.39	1.95	460.00	0.68	15.00
Mercury	130	56	0.02	0.00	0.10	0.04	0.06
Molybdenum	102	102	0.37	0.00	1.10	3.40	5.20
Nickel	126	126	5.84	0.75	13.00	1.40	7.80
Selenium	129	74	0.39	0.00	1.90	0.36	0.52

Table I-6

(Continued)

Analyte	Number of Analyses	Number of Detected Values	Mean Concentration[a]	Minimum Concentration[a]	Maximum Concentration[a]	Minimum Reporting Limit	Maximum Reporting Limit
Silver	126	11	0.48	0.34	5.00	0.68	3.90
Thallium	139	97	5.89	0.01	72.00	6.80	39.00
Vanadium	127	127	16.45	5.55	39.00	1.40	21.00
Zinc	126	126	16.65	3.60	85.00	1.40	21.00

[a] Non-detected values are included in these statistics as one-half their reporting limit.

concentrations. The minimum and maximum reporting limits are also given for both the background and the Landfill No. 25 data.

3.0 REFERENCES

1. "Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance," U.S. Environmental Protection Agency (USEPA, 1989). Office of Solid Waste, Waste Management Division. EPA/530-SW-89-026, April 1989.

2. Snedecor, G.W. and William G. Cochran, 1989. Statistical Methods, Eighth Edition, Iowa State University Press, Ames, Iowa, 503pp.

3. SAS Institute, Inc., 1989. SAS/STAT® Users Guide. Version 6. Fourth Edition. Volume 2. Cary, NC: SAS Institute Inc. 846 pp.

4. Gilbert, R.O., 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., Inc., New York, New York, 320pp.

Attachment I-1

Cannon AFB Landfill No. 25
Detailed Statistical Results

Cannon - Soil Core Results

T-Test Results For Normally Distributed Results

16:57 Thursday, May 27, 1993

Analyte	Total Number of Analyses	Background Results Detected	Mean (mg/L)	Standard Deviation (mg/L)	Total Number of Analyses	Downgradient Results Detected	Mean (mg/L)	Standard Deviation (mg/L)	P-Value for T-test	T-test Conclusion
Nickel	45	44	5.308	2.511	126	126	5.837	2.495	0.1121	NS

N = 1

Cannon - Soil Core Results

Lognormal T-Test For Lognormally Distributed Results

16:57 Thursday, May 27, 1993

Analyte	Total Number of Analyses	Background Results Detected	Log Mean	Log Standard Deviation	Total Number of Analyses	Downgradient Results Detected	Log Mean	Log Standard Deviation	P-Value for Lognormal T-test	Lognormal T-test Conclusion
Barium	52	52	4.488	1.176	126	125	4.644	1.252	0.2221	NS
Magnesium	45	45	8.131	0.723	125	125	8.084	0.595	0.6660	NS

N = 2

Cannon - Soil Core Results

Wilcoxon Test Results For Data with No Distribution Type

16:57 Thursday, May 27, 1993

Analyte	Total Number of Analyses	Background Results Detected	Rank Mean	Expected Rank STD	Total Number of Analyses	Downgradient Results Detected	Rank Mean	Expected Rank STD	P-Value for Wilcoxon Test	Wilcoxon Conclusion
Aluminum	45	45	58.8556	283.006	125	125	95.0920	283.006	0.0001	S
Arsenic	49	49	73.0306	298.792	125	122	93.1720	298.792	0.0094	S
Beryllium	34	30	77.0294	241.394	127	124	82.0630	241.394	0.2891	NS
Calcium	45	45	86.5111	285.053	126	126	85.8175	285.053	0.5314	NS
Chromium	53	53	84.3019	316.442	126	125	92.3968	316.442	0.1710	NS
Cobalt	45	42	81.9444	284.939	126	124	87.4484	284.939	0.2620	NS
Copper	40	24	79.0250	270.329	129	125	86.8527	270.329	0.1895	NS
Iron	45	45	63.0111	283.069	125	125	93.5960	283.069	0.0003	S
Lead	53	53	92.6887	316.426	126	126	88.8690	316.426	0.6730	NS
Manganese	45	45	74.3000	286.987	127	126	90.8228	286.987	0.0288	S
Molybdenum	12	12	48.6250	108.283	102	102	58.5441	108.283	0.1649	NS
Potassium	45	45	69.7333	284.961	126	125	91.8095	284.961	0.0056	S
Vanadium	45	45	72.4556	286.806	127	127	91.4764	286.806	0.0145	S
Zinc	43	27	56.5465	277.015	126	126	94.7103	277.015	0.0001	S

N = 14

Cannon - Soil Core Results

Wilcoxon Results For Data with Less than 50% Detected

16:57 Thursday, May 27, 1993

Analyte	Total Number of Analyses	Background Results Detected	Rank Mean	Expected Rank STD	Total Number of Analyses	Downgradient Results Detected	Rank Mean	Expected Rank STD	P-Value for Wilcoxon Test	Wilcoxon Conclusion
Cadmium	38	21	112.539	256.520	126	100	73.4405	256.520	1.0000	NS
Mercury	29	11	137.897	224.026	130	56	67.0846	224.026	1.0000	NS
Selenium	35	14	108.886	249.042	129	74	75.3411	249.042	0.9999	NS
Sodium	32	16	54.203	120.230	59	59	41.5508	120.230	0.9841	NS

N = 4

Cannon - Soil Core Results

16:57 Thursday, May 27, 1993

Poisson Results For Data with Less than 10% Detected

Analyte	Total Number of Analyses	Background Number Detected	Proportion Detected	Total Number of Analyses	Downgradient Number Detected	Proportion Detected	Upper Poisson Limit	Site Sum	Poisson Conclusion
Antimony	20	3	8.57	14	13	92.86	70.180	1.132	NS
Silver	29	0	0.00	126	11	8.73	106.807	61.030	NS
Thallium	29	2	4.44	139	97	69.78	317.967	818.294	S

N = 3

APPENDIX J

AIR MODELING RESULTS FOR

LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

1.0 INTRODUCTION

Emission rates of chemical compounds resulting from surface and sub-surface volatilization and wind entrainment of contaminated dust from CAFB Landfill No. 25 were estimated using predictive equations recommended by the USEPA. The emission rates were then entered into a USEPA approved computer dispersion model to estimate worst-case, maximum, short-term (hourly) and average annual chemical concentrations in the atmosphere at the periphery of the landfill and at off-property locations (CAFB property boundary). Likewise emission rates of chemical compounds resulting from proposed construction activity, at the north end of the landfill, were evaluated independently to predict the average annual chemical concentrations in the atmosphere at the construction site. The predicted concentrations were then used to estimate health risks to exposed populations at the landfill, CAFB boundaries and at the construction site. This appendix contains the methodology used to calculate emissions and perform the dispersion modeling.

Section 2.0 of this Appendix presents the emission estimation methodology and Section 3.0 of this Appendix presents the modeling methodology.

2.0 EMISSION ESTIMATES

Emission rates of chemicals detected at Landfill No. 25 were calculated using emission rate equations applicable to various emission mechanisms. The various types of mechanisms considered included:

- Volatilization of organic compounds from surface contamination of soils (contamination between 0 and 2 feet of soil);
- Volatilization of organic compounds from wastes buried below the soil surface (contamination below 2 feet);
- Wind entrainment of contaminated surface soil (surface contamination: 0 to 2 feet); and
- Volatilization of organic compounds and contaminated dust emissions from construction activity at the north end of the landfill.

There is currently no remediation activity associated with Landfill No. 25. Therefore, contaminated dust generated from remediation activity were not taken into consideration in estimating emissions.

As per guidance provided in the USEPA document, *Risk Assessment Guidance for Superfund: Volume 1* (October 1991), all chemicals with a Henry's Law constant of 1×10^{-5} atm-m^3/mole or greater and/or a molecular weight of less than 200 g/mole were considered volatile. These compounds were evaluated for the various volatilization emission mechanisms from the surface or sub-surface soils at the landfill. The remaining compounds were considered to be non-volatile and were evaluated only for wind entrainment. Emissions were not estimated for non-volatile compounds that were detected at depths exceeding 2 feet.

For volatile organic compounds, emissions resulting from surface and sub-surface volatilization were estimated. For non-volatile compounds, only wind erosion estimates were made. Table J-1 summarizes the emission rate and the emission flux of

Table J-1

Emission Rates and Flux Assuming No Construction
Landfill No. 25, Cannon AFB, Clovis, New Mexico

BASIS:
Landfill 25 Area = 119294 sq.m.

COMPOUND	EMISSION FLUX g/s/m2	g/s	EMISSIONS lb/hr
Benzene	1.70E-09	2.03E-04	1.61E-03
Diesel (2)	2.88E-08	3.44E-03	2.73E-02
Hydrocarbons	2.39E-04	2.85E+01	2.27E+02
Methylene chloride	2.01E-08	2.40E-03	1.91E-02
Toluene	2.25E-09	2.68E-04	2.13E-03
Total Volatile Organics	2.39E-04	2.85E+01	2.27E+02
4,4'-DDD	8.04E-14	9.59E-09	7.61E-08
4,4'-DDE	5.05E-13	6.02E-08	4.78E-07
4,4'-DDT	4.26E-13	5.08E-08	4.04E-07
Aluminum	3.29E-07	3.93E-02	3.12E-01
Arsenic	7.69E-11	9.17E-06	7.28E-05
Benzo(a)pyrene	1.24E-11	1.48E-06	1.18E-05
Benzo(b)fluoranthene	1.29E-11	1.54E-06	1.22E-05
Benzo(k)fluoranthene	1.27E-11	1.52E-06	1.21E-05
Fluoranthene	1.27E-11	1.51E-06	1.20E-05
Heptachlor	4.86E-14	5.80E-09	4.60E-08
Heptachlor epoxide	5.77E-14	6.88E-09	5.46E-08
MCPP	9.33E-11	1.11E-05	8.83E-05
Manganese	4.94E-09	5.89E-04	4.68E-03
Pyrene	1.25E-11	1.49E-06	1.18E-05
Thallium	3.28E-12	3.92E-07	3.11E-06
Vanadium	5.48E-10	6.54E-05	5.19E-04
Zinc	8.24E-10	9.82E-05	7.80E-04
beta-BHC	5.08E-14	6.06E-09	4.81E-08
Total Particulates (Non-Volatiles)	3.36E-07	4.01E-02	3.18E-01

* Hydrocarbons were assumed to be benzene for emission estimation

each chemical associated with Landfill No. 25 assuming no construction or remediation activity. For emissions resulting from construction activity, volatile organic compounds from surface and sub-surface volatilization and non-volatile dust emissions from construction operations were considered. Table J-2 summarizes the emission rate and the emission flux of each chemical associated with proposed construction activity at the north end of Landfill No. 25.

Each of the emission mechanisms and the equations used to calculate emission rates are discussed in the following subsections.

2.1 Volatilization from Surface Contamination

For estimation of emission rates caused by volatilization from open landfills, Shen (1981) suggests using Arnold's equation with Ziegler's modification. This equation, known as the Open Dump equation, was determined to be the most applicable equation to estimate emissions of volatile compounds detected at the surface (0-2 feet) of Landfill No. 25. The Open Dump equation is presented below.

$$E_i = \frac{2\, C_e\, w}{A} \sqrt{\frac{D\, Lv}{\pi\, F_v}} \left(\frac{W_i}{W}\right) P_i$$

where:

E_i = emission rate (g/m^2-sec)

C_e = equilibrium vapor pressure (fraction)

L = length of open dump (cm)

D = diffusion coefficient (cm^2/sec)

v = wind speed (cm/sec)

F_v = correction factor = C_e (-0.848) + 1.0635

W_i/W = weight fraction of component i in bulk waste (g/g)

Table J-2

Emission Rates and Flux Associated with Proposed Construction Activity Landfill No. 25, Cannon AFB, Clovis, New Mexico

BASIS:
Landfill 25 Area = 119,294 sq. m
Area under Construction = 17,000 sq. ft (1579 sq m)
Length = Width of square = 39.74 m
Emission Factor for Construction Operations 1.04E-04 g/s/m2

COMPOUND	EMISSION FLUX DUE TO CONSTRUCTION ACTIVITY	EMISSIONS DUE TO CONSTRUCTION ACTIVITY	
	g/s/m2	g/s	lb/hr
Benzene	1.70E-09	2.69E-06	2.13E-05
Diesel (2)	2.88E-08	4.55E-05	3.61E-04
Hydrocarbons	2.39E-04	3.78E-01	3.00E+00
Methylene chloride	2.01E-08	3.18E-05	2.52E-04
Toluene	2.25E-09	3.55E-06	2.82E-05
Total Volatile Organics	2.39E-04	3.78E-01	3.00E+00
4,4'-DDD	3.05E-13	4.82E-10	3.82E-09
4,4'-DDE	1.91E-12	3.02E-09	2.40E-08
4,4'-DDT	1.62E-12	2.55E-09	2.03E-08
Aluminum	1.25E-06	1.97E-03	1.57E-02
Arsenic	7.69E-11	1.21E-07	9.63E-07
Benzo(a)pyrene	4.71E-11	7.44E-08	5.90E-07
Benzo(b)fluoranthene	4.90E-11	7.73E-08	6.14E-07
Benzo(k)fluoranthene	4.84E-11	7.64E-08	6.06E-07
Fluoranthene	4.79E-11	7.57E-08	6.01E-07
Heptachlor	1.84E-13	2.91E-10	2.31E-09
Heptachlor epoxide	2.19E-13	3.45E-10	2.74E-09
MCPP	3.54E-10	5.59E-07	4.43E-06
Manganese	1.87E-08	2.96E-05	2.35E-04
Pyrene	4.73E-11	7.47E-08	5.93E-07
Thallium	1.25E-11	1.97E-08	1.56E-07
Vanadium	2.08E-09	3.28E-06	2.60E-05
Zinc	3.12E-09	4.93E-06	3.92E-05
beta-BHC	1.93E-13	3.04E-10	2.42E-09
Total Particulates (Non-Volatiles)	1.27E-06	2.01E-03	1.60E-02

Hydrocarbons were assumed to be benzene for emission estimation

w = width of open dump (cm)

A = area of open dump (m^2)

P_i = gas density of component i (g/cm^3)

The annual average wind speed (v) for the CAFB area (i.e., Clovis, New Mexico) was determined to be 11 mph (*Climate of the States*, Volume 2, 3rd ed, 1985). The weight fraction (W_i/W) of each volatile compound used in the above equation was the average of concentrations measured across the cross-section of the site. Contaminants detected between 0 and 2 feet below the soil surface were considered as surface contaminants. The area of the landfill (A) is estimated to be 29.5 acres (119,294 m^2). Since the landfill has an irregular shape, for emission calculation purposes the area of the landfill was represented as a square of side 345 m. All other input parameters are on a compound-specific basis.

2.2 Volatilization from Buried Waste

The Shen equation (Shen, 1981) was used to estimate emissions from buried wastes, defined as soil contamination below a depth of 2 feet. Shen presents the following equation, which is derived from Fick's Law for steady-state diffusion:

$$E_i = D_i \, C_s \, A \, P_t^{\frac{4}{3}} \, \frac{W_i}{L}$$

where:

E_i = emission rate (g/m^2-sec);

D_i = diffusion coefficient (cm^2/sec);

C_s = saturation vapor concentration of component i (g/cm^3);

A = area of open dump (cm^2);

P_t = soil porosity (dimensionless, 39.4% for CAFB area);

W_i = weight fraction of component i in bulk waste (g/g);

L = effective depth of soil cover (cm);

Soil data available for Landfill No. 25 had surface measurements of contaminants and also sub-surface data measured at depths varying from 10 to 80 feet below surface. In order to estimate sub-surface volatilization, the landfill was divided into cross-sectional bands for the following depth ranges: 10-20 feet, 21-40 feet, 41-60 feet, and 61-80 feet. Contaminant concentrations measured for each depth range was averaged across the landfill. This concentration was used to estimate emissions from each band of sub-surface. Total sub-surface emissions were then determined to be the sum of emissions from all four bands.

2.3 Wind Blown Dust

Non-volatile organics and metals can enter the atmosphere by wind entrainment of contaminated surface soil. The wind-blown dust equation (Bohn, et al, 1978), presented below, was used to calculate the total dust emissions.

$$E = 3400 \frac{\frac{e}{50} \times \frac{s}{15} \times \frac{f}{25}}{\left(\frac{P-E}{50}\right)^2} \times (1-VC)$$

where:

- E = emission rate (lb/acre-yr)
- e = surface erodability (86 for CAFB area)
- s = silt content (5.7 for CAFB area)
- f = percentage of time wind exceeds 12 mph (47%)
- P-E = Thornwaite's Precipitation-Evaporation Index (26 for Clovis, New Mexico)
- VC = Vegetative cover (fraction, assumed = 0.5)

The surface erodability is defined as the percentage of soil particles not passing a No. 10 sieve. The silt content is based on the percentage of soil particles passing a No. 200 sieve. Thornwaite's precipitation-evaporation index is specific to an area and depends on the prevailing meteorology of the area. The surface erodability, silt content and the precipitation-evaporation index for the area was obtained from Soil Conservation Services, Clovis, New Mexico (SCS, 1992). From the meteorological data used to perform dispersion modeling for the site, the percentage of time wind speeds exceed 12 mph was estimated to be 47 percent. Vegetative cover for the site was estimated to be 50 percent.

The emission rate of each non-volatile chemical was then calculated by multiplying the dust emission rate by the average concentration of the chemical in the surface soil (0-2 ft) measured across the cross-section of the site.

2.4 Dust Emissions From Construction Activity

An area of approximately 17,000 square feet (Base Natural Resources Environmental Group, 1993) at the north end of Landfill No. 25 is likely to be disturbed for construction purposes. Construction activity is a source of dust emissions and may have a temporary impact on construction workers in the area. The quantity of dust emissions from construction operations is directly proportional to the area of land being worked, the level of construction activity, the silt content of the soil and is inversely proportional to the square of the soil moisture. The AP-42 emission factor for construction operations (AP-42, 11.2.4, 1992) presented below, was used to calculate the total dust emissions at the construction site:

1.2 tons per acre of construction per month of activity.

This factor is based on field measurements of suspended dust emissions from construction projects and applies to construction operations in a semi-arid climate, with

medium activity, a moderate silt content and a Thornthwaite's precipitation-evaporation (PE) index of approximately 50. Particulate emissions are less than 30 μm in diameter and have a density that ranges from 2.0 to 2.5 g/cm^3. This emission factor is an approximation for the CAFB area, and was used to calculate the dust emission rate at the construction site.

The emission rate of each non-volatile chemical was then calculated by multiplying the dust emission rate by the average concentration of the chemical in the surface soil (0-2 ft) measured across the cross-section of the site.

3.0 DISPERSION MODELING

This section presents the air quality impact analysis for speciated volatile organic emissions and speciated particulate emissions emitted from Landfill No 25. Figure J-1 is a site plan of CAFB showing the location of Landfill No. 25.

3.1 Emission Sources

Landfill No. 25 covers an area of approximately 29.5 acres (119,294 m^2) and was modeled as an area source. First, maximum air quality impact from these area sources were determined for a generic emission rate from the landfill. The emission rate flux for each compound, determined as described in Section 2 of this appendix, was used to predict the compound-specific concentrations emitted from Landfill No. 25. Table J-1 shows the emission flux and emission rate for each compound emitted at the landfill. In accordance with EPA modeling procedures, the landfill was modeled as a cluster of 102 area source cells each measuring 24m x 24m. Figure J-2 shows the location of the area sources modeled.

3.2 Modeling Methodology

3.2.1 Dispersion Model

The dispersion modeling was performed in accordance with guidance contained in the USEPA publication *Guideline on Air Quality Models (Revised),* July 1986. The Industrial Source Complex Short-Term (ISCST2) dispersion model was used to predict short-term (hourly) and annual impacts for each of the compounds emitted from Landfill No. 25.

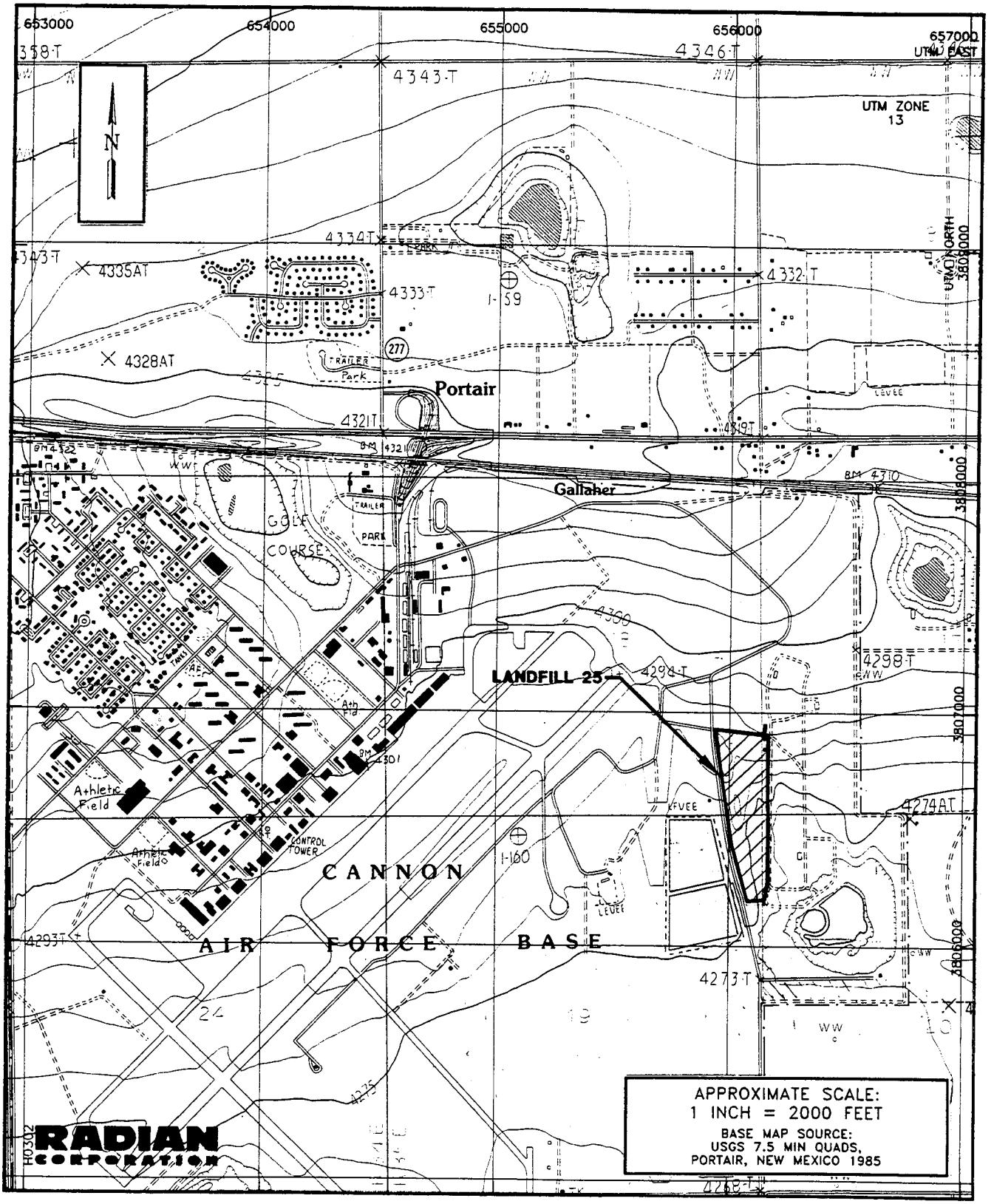


Figure J-1. Location of Landfill No. 25, Cannon AFB, New Mexico

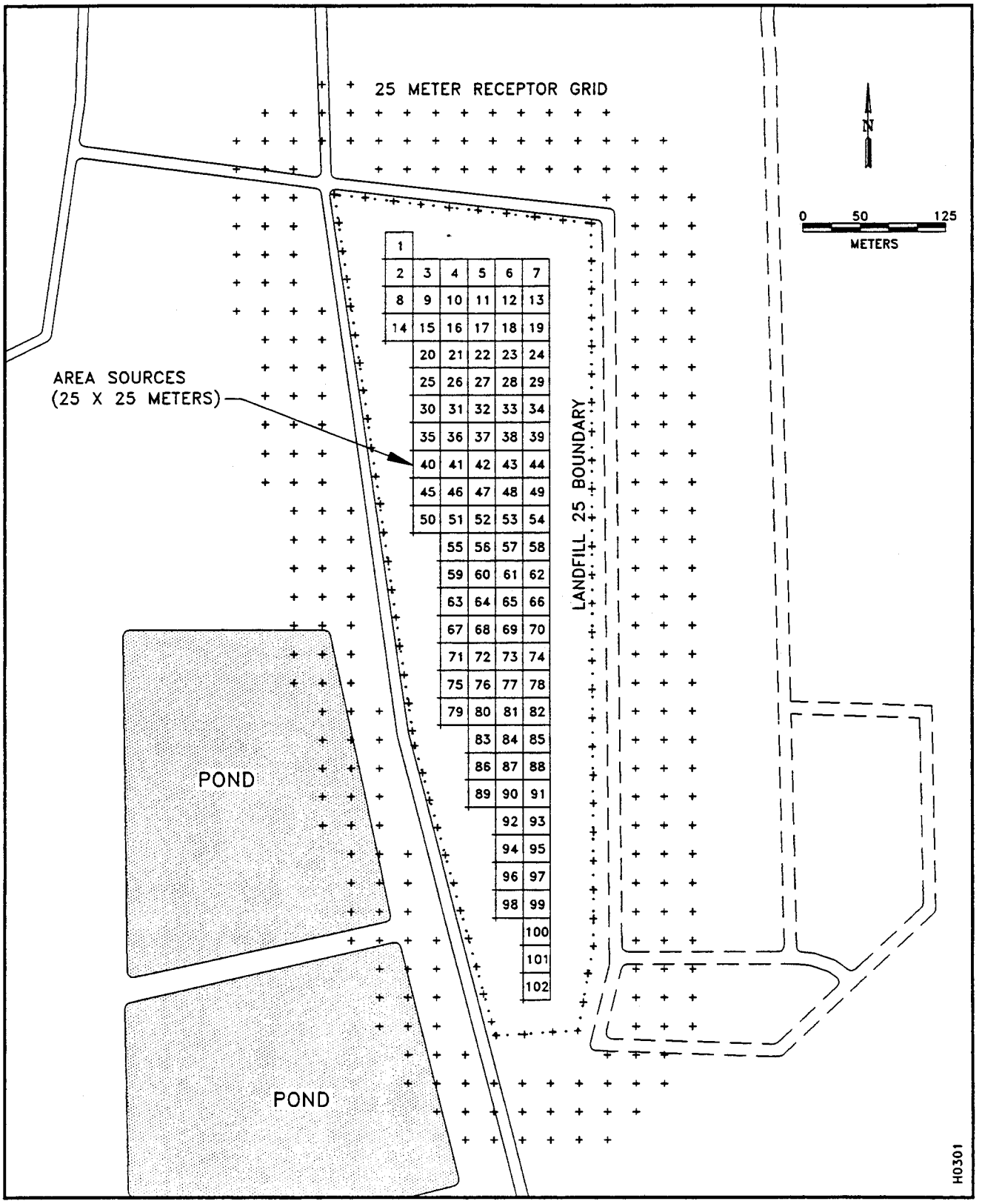


Figure J-2. Location of Modeled Area Sources and Receptors Around Landfill No. 25, Cannon AFB, New Mexico

3.2.2 Model Options

The ISCST2 model was run using the regulatory default option. This option includes the use of final plume rise, buoyancy-induced dispersion, default wind profile exponents and vertical potential temperature gradients, calm wind processing, and infinite pollutant half-life.

With regard to dispersion coefficients, topographic (USGS) maps of the surrounding area revealed that essentially 100% of the area within a 3 kilometer radius of the air force base is undeveloped. The Auer method (Auer, 1978) for determining dispersion regime by land use classification states that if greater than 50% of the land area within a 3 kilometer radius of the source is in urban use, urban coefficients should be used. Land use within 3 kilometers of Landfill No. 25 is mostly undeveloped; therefore, rural dispersion coefficients were used to model impacts.

For ground level emission sources, such as the landfill, increased wind turbulence near buildings may tend to reduce concentrations relative to an open area. The effect of building induced downwash on plume dispersion was evaluated at the landfill; however, because there were no buildings adjacent to the landfill, no downwash parameters were included in this modeling analysis.

3.2.3 Meteorological Data

The most recent meteorological data (1982-1983) consisting of surface and upper air measurements from the NWS station at Monument, NM were input to ISCST2.

3.2.4 Receptor Locations

The receptor locations used in this analysis were selected to determine the maximum predicted concentrations from Landfill No. 25. To determine impacts at the

boundary of Landfill No. 25, four rows of receptors with a 25 meter grid spacing was placed as shown in Figure J-2. To identify impacts at the CAFB property boundary four rows of receptors, with a 100-meter grid spacing were placed around the north, south and east boundary of CAFB as in Figure J-3. In addition, a 100-meter spaced grid covered residential areas located within CAFB and discrete receptors were placed at off-property residential locations as seen in Figure J-3.

3.2.5 Modeling Analysis Results

The air quality analysis demonstrated that for off-site receptors, the maximum predicted concentrations are located along the eastern boundary of CAFB. The maximum predicted 1-hour concentration occurs south of Landfill No. 25 while the maximum annual predicted concentration is located east of Landfill No. 25, near the dairy. Figure J-4 shows the location of the maximum predicted one-hour and annual concentrations at off-site receptors for compounds emitted from Landfill No. 25.

The concentrations predicted by the model are not compound-specific. These concentrations have to be multiplied by the emission flux of each compound, to get compound-specific impacts. Although the location of the maximum predicted concentration for each compound remains unchanged, the air quality impact for each individual compound differs based on its emission flux. The emission flux shown in Table J-1 for the landfill were used to calculate the maximum impacts for each compound. The air quality impacts at off-site receptors for each compound emitted from the landfill are presented in Table J-3 and were used in the evaluation of health risks to off-site residents.

Figure J-5 shows the location of the maximum predicted 1-hour and annual concentration around the boundary of LandfillNo. 25. To determine compound-specific impacts the emission flux shown in Table J-1 for the landfill were used to calculate the maximum impacts for each compound encountered for each compound. The air quality

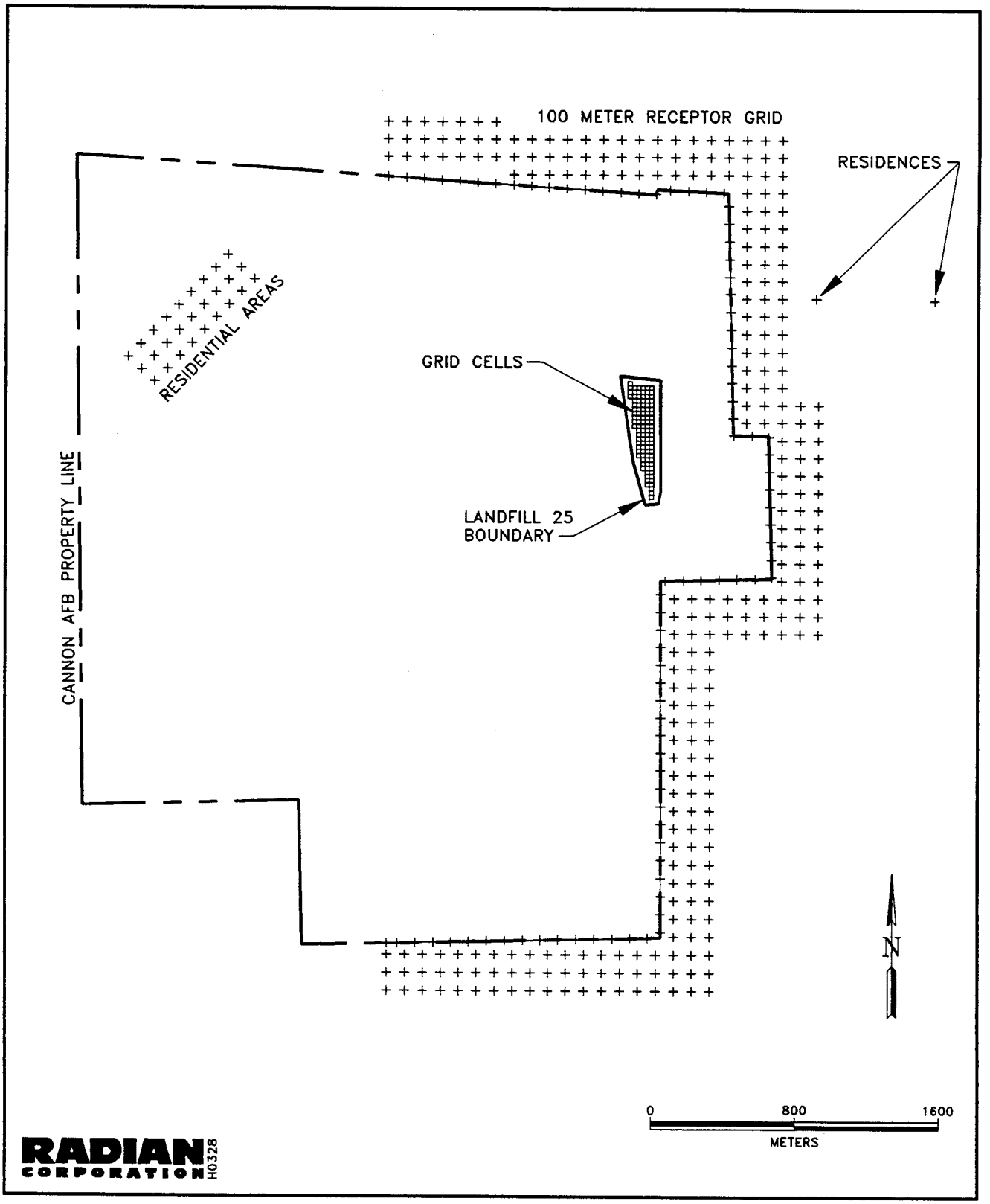


Figure J-3. Receptor Locations at the Property Boundary and Residential Areas near Landfill No. 25, Cannon AFB, New Mexico

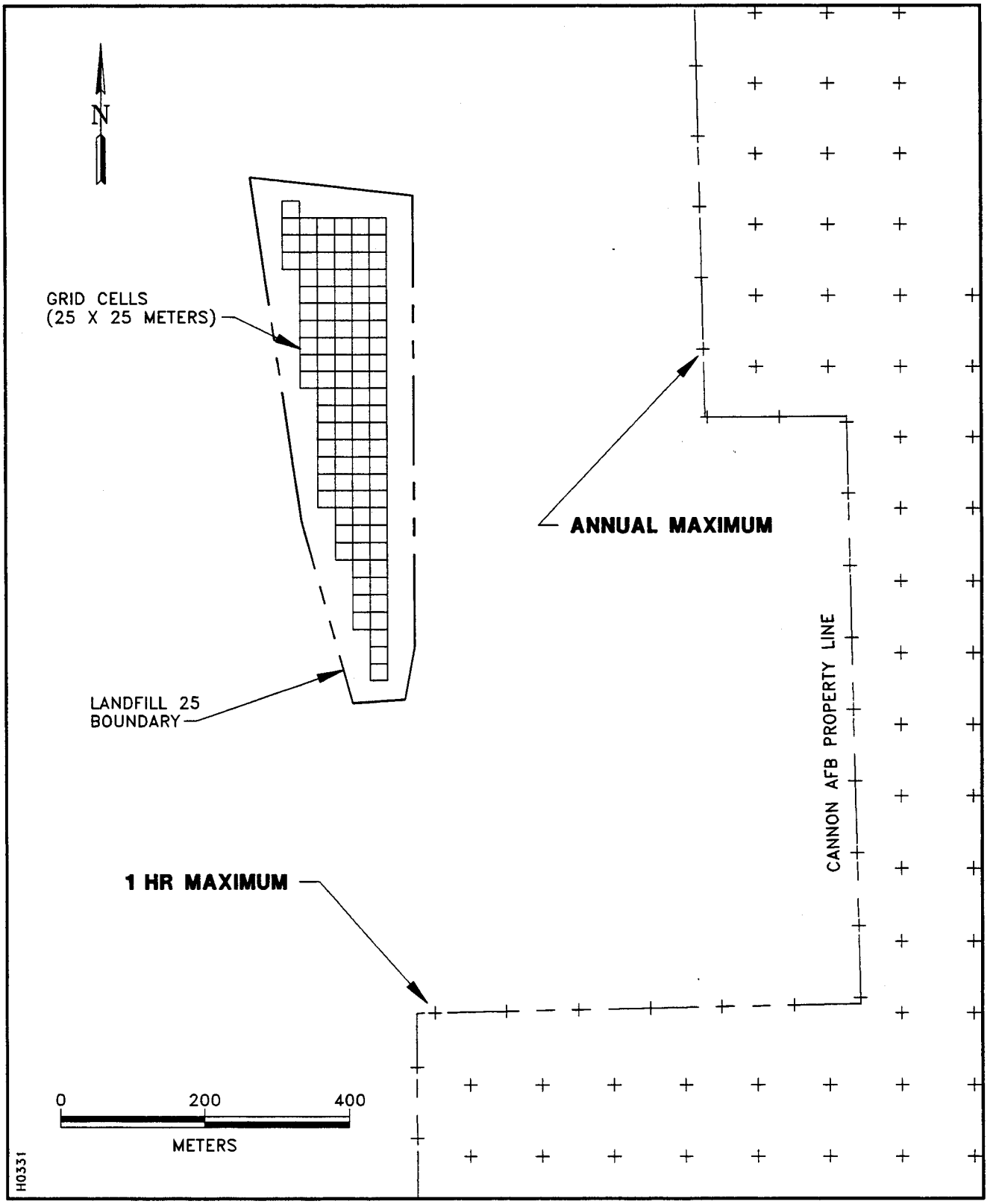


Figure J-4. Location of Modeled Impacts from Area Sources at Off-Site Receptors, Landfill No. 25, Cannon AFB, New Mexico

Table J-3

Air Quality Impacts at Off-Site Receptors
Landfill No. 25, Cannon AFB, Clovis, New Mexico

BASIS:

Landfill 25 Area = 119,294 sq. m	
Number of modeled area cells	102
Dimensions of each area cell	24 m x 24 m
Emission rate of each area cell	1.74E-03 g/s/m2
Modeled-predicted maxmum 1-hour conc	61633 ug/m3
Modeled-predicted highest annual average conc	635 ug/m3

COMPOUND	EMISSION FLUX g/s/m2	MAXIMUM IMPACTS 1 hr ug/m3	Annual ug/m3
Benzene	1.70E-09	1.23E-01	1.26E-03
Diesel (2)	2.88E-08	2.08E+00	2.14E-02
Hydrocarbons	2.39E-04	1.72E+04	1.78E+02
Methylene chloride	2.01E-08	1.45E+00	1.50E-02
Toluene	2.25E-09	1.62E-01	1.67E-03
Total Volatile Organics	2.39E-04	1.73E+04	1.78E+02
4,4'-DDD	8.04E-14	5.80E-06	5.97E-08
4,4'-DDE	5.05E-13	3.64E-05	3.75E-07
4,4'-DDT	4.26E-13	3.07E-05	3.17E-07
Aluminum	3.29E-07	2.37E+01	2.45E-01
Arsenic	7.69E-11	5.54E-03	5.71E-05
Benzo(a)pyrene	1.24E-11	8.95E-04	9.22E-06
Benzo(b)fluoranthene	1.29E-11	9.31E-04	9.59E-06
Benzo(k)fluoranthene	1.27E-11	9.19E-04	9.47E-06
Fluoranthene	1.27E-11	9.12E-04	9.40E-06
Heptachlor	4.86E-14	3.50E-06	3.61E-08
Heptachlor epoxide	5.77E-14	4.16E-06	4.28E-08
MCPP	9.33E-11	6.72E-03	6.93E-05
Manganese	4.94E-09	3.56E-01	3.67E-03
Pyrene	1.25E-11	9.00E-04	9.27E-06
Thallium	3.28E-12	2.37E-04	2.44E-06
Vanadium	5.48E-10	3.95E-02	4.07E-04
Zinc	8.24E-10	5.94E-02	6.12E-04
beta-BHC	5.08E-14	3.66E-06	3.77E-08
Total Particulates (Non-Volatiles)	3.36E-07	2.42E+01	2.49E-01

* Hydrocarbons were assumed to be benzene for emission estimation

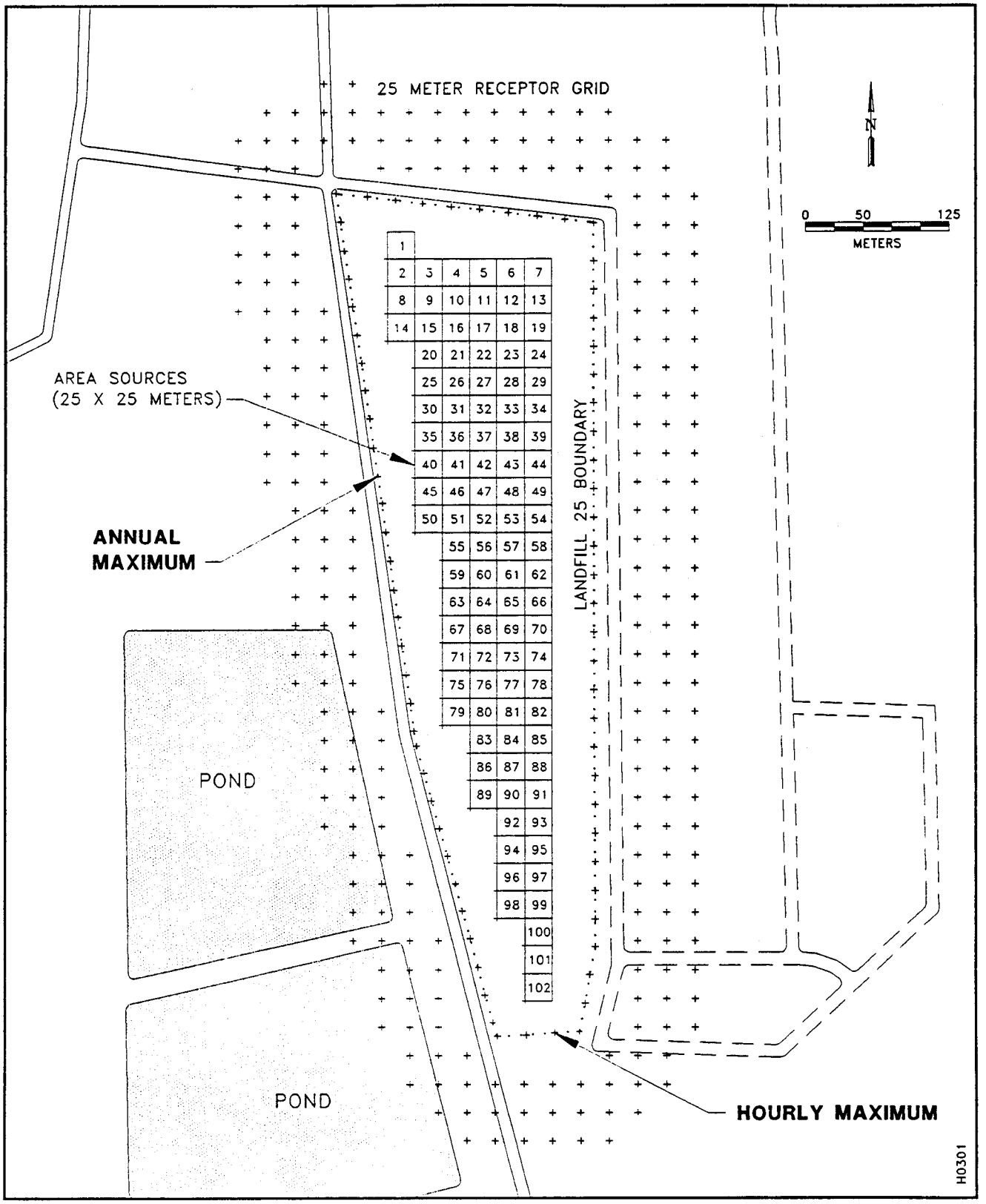


Figure J-5. Location of Modeled Impacts from Area Sources at the Landfill Boundary, Landfill No. 25, Cannon AFB, New Mexico

impacts at receptors around the landfill boundary are presented in Table J-4 and were used in the evaluation of health risks associated with the landfill emissions.

To predict concentrations at the construction site, which is located within the boundary of the landfill, the "box model" approach was used. This approach was used because the ISCST2 dispersion model does not compute a concentration for any receptor physically located on an area source being modeled. The concentrations at the construction site were hence calculated by dividing the mass emission rate by the air flow through the cross section of the source. The flow was the product of the length of the area source, height of the air column above the source through which the pollutant disperses, and the average wind speed. A height of 6 feet, representative of an average man, was assumed. The average wind speed for the CAFB (4.92 meters per second) was used. For volatile emissions, the mass emission rate from the landfill was considered. For non-volatile emissions, the mass emission rate due to construction activity and wind erosion of the landfill were considered. The air quality impacts for each compound emitted from the landfill at the construction site are presented in Table J-5 and were used in the evaluation of health risks associated with construction activity at Landfill No. 25.

Table J-4

Air Quality Impacts at Receptors around Landfill Boundary
Landfill No. 25, Cannon AFB, Clovis, New Mexico

BASIS:

Landfill 25 Area = 119,294 sq. m	
Number of modeled area cells	102
Dimensions of each area cell	24 m x 24 m
Emission rate of each area cell	1.74E-03 g/s/m2
Modeled-predicted maxmum 1-hour conc	172458 ug/m3
Modeled-predicted highest annual average conc	8085 ug/m3

COMPOUND	EMISSION FLUX g/s/m2	MAXIMUM IMPACTS 1 hr ug/m3	Annual ug/m3
Benzene	1.70E-09	3.44E-01	1.61E-02
Diesel (2)	2.88E-08	5.81E+00	2.73E-01
Hydrocarbons	2.39E-04	4.83E+04	2.26E+03
Methylene chloride	2.01E-08	4.06E+00	1.90E-01
Toluene	2.25E-09	4.54E-01	2.13E-02
Total Volatile Organics	2.39E-04	4.83E+04	2.26E+03
4,4'-DDD	8.04E-14	1.62E-05	7.60E-07
4,4'-DDE	5.05E-13	1.02E-04	4.77E-06
4,4'-DDT	4.26E-13	8.60E-05	4.03E-06
Aluminum	3.29E-07	6.64E+01	3.11E+00
Arsenic	7.69E-11	1.55E-02	7.27E-04
Benzo(a)pyrene	1.24E-11	2.50E-03	1.17E-04
Benzo(b)fluoranthene	1.29E-11	2.61E-03	1.22E-04
Benzo(k)fluoranthene	1.27E-11	2.57E-03	1.21E-04
Fluoranthene	1.27E-11	2.55E-03	1.20E-04
Heptachlor	4.86E-14	9.80E-06	4.59E-07
Heptachlor epoxide	5.77E-14	1.16E-05	5.45E-07
MCPP	9.33E-11	1.88E-02	8.82E-04
Manganese	4.94E-09	9.97E-01	4.67E-02
Pyrene	1.25E-11	2.52E-03	1.18E-04
Thallium	3.28E-12	6.62E-04	3.10E-05
Vanadium	5.48E-10	1.11E-01	5.18E-03
Zinc	8.24E-10	1.66E-01	7.79E-03
beta-BHC	5.08E-14	1.02E-05	4.81E-07
Total Particulates (Non-Volatiles)	3.36E-07	6.78E+01	3.18E+00

* Hydrocarbons were assumed to be benzene for emission estimation

Table J-5

Air Quality Impacts at Proposed Construction Site Landfill No. 25, Cannon AFB, Clovis, New Mexico

BASIS:
Landfill 25 Area = 119,294 sq. m
Area under Construction = 17,000 sq. ft (1579 sq m)
Length = Width of square = 39.74 m
Height of "Box" = 6 ft (1.83 m)
Average wind speed = 4.92 m/s
Emission Factor for Construction Operations 1.04E-04 g/s/m2

COMPOUND	EMISSION FLUX DUE TO CONSTRUCTION ACTIVITY g/s/m2	ANNUAL IMPACT AT CONSTRUCTION SITE ug/m3
Benzene	1.70E-09	7.52E-03
Diesel (2)	2.88E-08	1.27E-01
Hydrocarbons	2.39E-04	1.06E+03
Methylene chloride	2.01E-08	8.89E-02
Toluene	2.25E-09	9.93E-03
Total Volatile Organics	2.39E-04	1.06E+03
4,4'-DDD	3.05E-13	1.35E-06
4,4'-DDE	1.91E-12	8.45E-06
4,4'-DDT	1.62E-12	7.14E-06
Aluminum	1.25E-06	5.51E+00
Arsenic	7.69E-11	1.29E-03
Benzo(a)pyrene	4.71E-11	2.08E-04
Benzo(b)fluoranthene	4.90E-11	2.16E-04
Benzo(k)fluoranthene	4.84E-11	2.13E-04
Fluoranthene	4.79E-11	2.12E-04
Heptachlor	1.84E-13	8.14E-07
Heptachlor epoxide	2.19E-13	9.65E-07
MCPP	3.54E-10	1.56E-03
Manganese	1.87E-08	8.27E-02
Pyrene	4.73E-11	2.09E-04
Thallium	1.25E-11	5.50E-05
Vanadium	2.08E-09	9.17E-03
Zinc	3.12E-09	1.38E-02
beta-BHC	1.93E-13	8.51E-07
Total Particulates (Non-Volatiles)	1.27E-06	5.62E+00

Hydrocarbons were assumed to be benzene for emission estimation

4.0 REFERENCES

Climate of the States, Volume 2, 3rd ed., 1985.

"Correlation of Land Use and Cover with Meteorological Anomalies", A.M. Auer, Jr., Journal of Applied Meteorology, Vol. 17, 1978.

"Estimating Hazardous Air Emissions from Disposal Sites", Dr. T. Shen, Pollution Engineering, August 1981.

"Fugitive Emissions from Integrated Iron and Steel Plants", R. Bohn et. al., Midwest Research Institute for USEPA, ORD March 1978.

Guidance on Air Quality Models (Revised), USEPA, July 1986.

Risk Assessment Guidance for Superfund: Volume I - Human Health Evaluation Manual, OERR, USEPA, Washington, DC., October 1991.

Telephone conversation between Rusky Dowell, Soil Conversation Services, Clovis, NM and Manju Menon, Radian Corporation, 1992.

User's Guide for the Industrial Source Complex (ISC2) Dispersion Models, Volume I, USEPA-OAQPS. RTP, NC. March 1992.

Compilation of Air Pollutant Emission Factors. Volume I: Stationary Point and Area Sources. AP-42, September 1990. 11.2.4. Heavy Construction Operations.

APPENDIX K

GROUNDWATER MODELING RESULTS

FOR LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

1.0 STATEMENT OF PROBLEM

Various contaminants are present at known concentrations in soils at former Landfill No. 25. Unsaturated soils separate the bottom of Landfill No. 25 and the water table. Contaminant concentrations were modeled to the groundwater surface. A hypothetical pumping well, as shown in Figure K-1, is located to the southeast of the landfill (downgradient). Concentrations of contaminants modeled to the wellhead are lower than those modeled to the groundwater surface as a result of dilution.

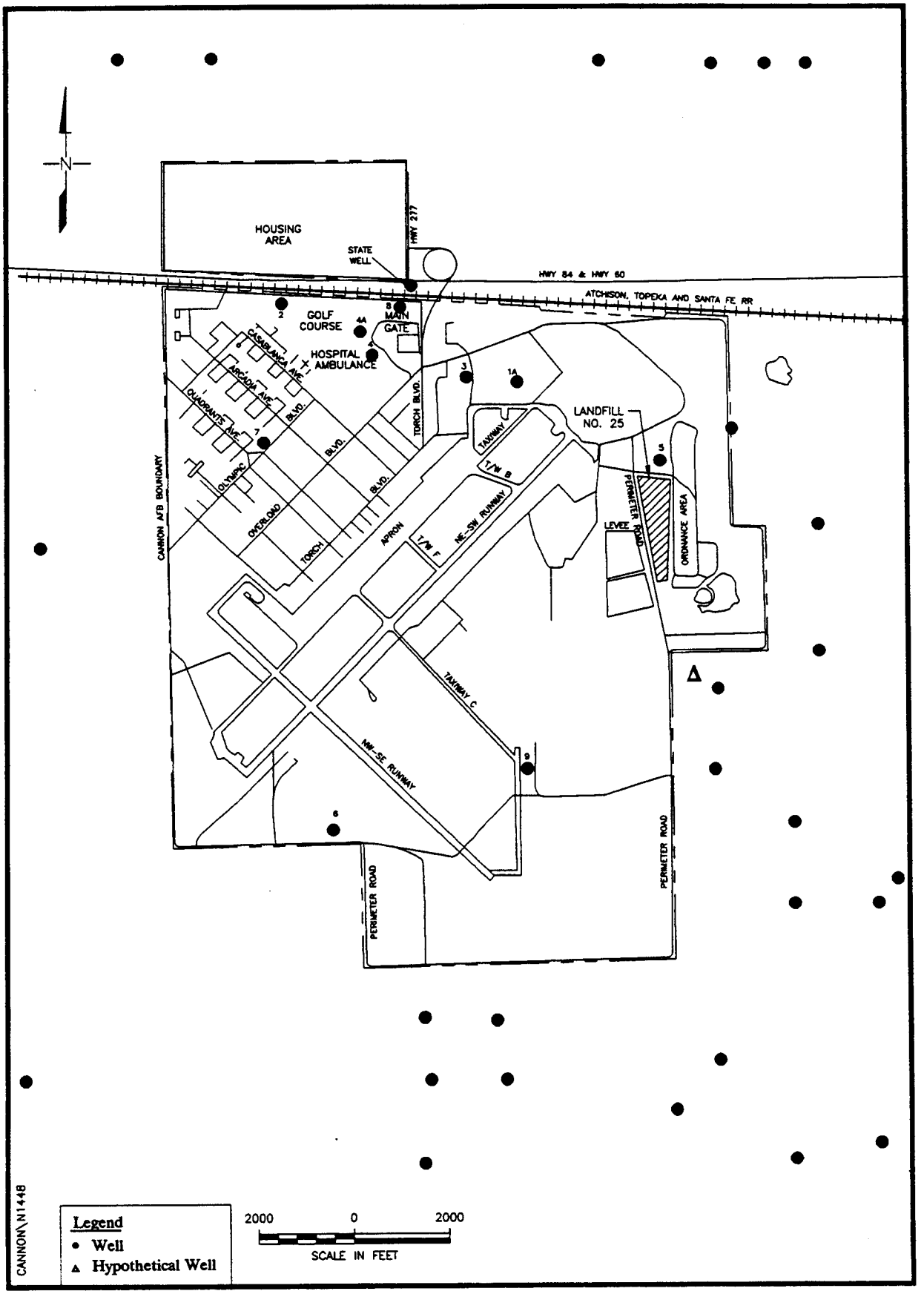


Figure K-1. Location of Hypothetical Pumping Well

2.0 SITE DESCRIPTION

Based on data from Woodward-Clyde (1992), the following site properties are assumed:

- Groundwater gradient is about 13 feet/mile to the southeast;
- The underlying aquifer (Ogalalla) is unconfined with a saturated thickness averaging about 120 feet.
- Saturated hydraulic conductivity of the Ogalalla in the vicinity of the landfill is roughly 0.02 cm/sec.
- Average annual infiltration is roughly 1 inch.
- Unsaturated soils beneath the landfill are comprised of poorly sorted gravel, sand, silts, and clays.

An agricultural well is located off-base, southeast of (downgradient) the landfill. The surface area of the landfill is approximately 1.27 million square feet (29 - 29.5 acres).

Chemical concentrations were measured in samples from soil borings ranging in depth from near surface to 60 feet below ground level. No obvious correlation between sample depth and concentration was observed in the analytical data. For the purpose of this analysis, the arithmetic average concentration of each contaminant species will be used as a constant contaminant source at a depth of 60 feet. All analytical data are presented in Appendix H. The arithmetic average concentration for chemicals of potential concern are presented in Table K-1.

Table K-1

Average Concentrations of Chemicals Detected in Soil at Landfill No. 25, Cannon AFB, Clovis, New Mexico

Chemical Name	Arithmetic Average Concentration in Soil
Organics	µg/kg
ß-BHC	735.E-01
Benzene	2.73E+00
Benzo(a)pyrene	2.22E+02
Benzo(b)fluoranthene	2.26E+02
Benzo(k)fluoranthene	2.25E+02
4,4'-DDD	7.67E-01
4,4'-DDE	3.80E+00
4,4'-DDT	3.58E+00
Diesel Fuel	8.97E+04
Fluoranthene	2.24E+02
Heptachlor	5.07E-01
Heptachlor Epoxide	5.78E-01
Hydrocarbons	2.38E+05
MCPP	3.51E+03
Methylene chloride	6.10E+00
Pyrene	2.22E+02
Toluene	7.27E+00
Inorganics	mg/kg
Aluminum	9.07E+03
Arsenic	2.81E+00
Manganese	9.14E+01

Table K-1

(Continued)

Chemical Name	Arithmetic Average Concentration in Soil
Inorganics (Cont.)	mg/kg
Thallium	1.10E-01
Vanadium	1.65E+01
Zinc	1.66E+01

3.0 CALCULATIONS

The first step in the analysis is to estimate the time of travel of unsaturated soil moisture from the bottom of the landfill to the water table, 340 feet below ground level and 278 feet below the -60 feet level used as the constant contaminant source in this analysis. Thus, a time of travel is required for moisture to drain by gravity through a 278-foot thick unsaturated soil column.

The following calculations make use of van Genuchten's (1978) parametric representation of soil moisture-pressure head curves, which relate soil moisture, pressure head, and hydraulic conductivity. These equations are as follows:

$$\theta = \theta_r + \frac{\theta_s - \theta_r}{[1+(\alpha\phi)^n]^m} \tag{1}$$

$$K_r = \sqrt{H}\,[1-(1-H^{1/m})^m]^2 \tag{2}$$

$$m = 1 - \frac{1}{n} \tag{3}$$

$$H = \frac{\theta - \theta_r}{\theta_s - \theta_r} \tag{4}$$

where

θ	=	soil moisture content
θ_s	=	saturated soil moisture content
θ_r	=	residual soil moisture content
α	=	van Genuchten fitted parameter
ϕ	=	soil matrix potential
n	=	van Genuchten fitted parameter
K_r	=	relative hydraulic conductivity

H = dimensionless soil moisture content

If we assume steady-state conditions in the soil column, then there can be no change in moisture storage. Thus, continuity requires the net flux into the top of the column to equal the flux out the bottom of the column. Assuming a semi-infinite soil column, we require:

$$N = -\frac{d\phi}{dz} K_r K_{sat} \tag{5}$$

where
N = boundary flux
ϕ = soil matrix potential.
z = distance along the vertical coordinate axis.
K_r = relative hydraulic conductivity.
K_{sat} = saturated hydraulic conductivity

For drainage exclusively controlled by gravity, this reduces to:

$$N = K_r K_{sat} \tag{6}$$

For a sandy soil, we assume values for α, n, θ, or as follows (Stephens, et al., 1987):

α = 1.83/foot
n = 2.64 (dimensionless)
θ_s = 0.3 (dimensionless)
θ_r = 0.04 (dimensionless)

Solving for moisture content with N = 1 inch/year, and K_{sat} = 0.02 cm/s, yields a value of θ = 0.052. Moisture velocity can then be calculated as:

$$v = \frac{N}{\theta} \tag{7}$$

This yields a velocity of 1.6 feet per year.

Thus, time of travel across a 278-foot thick soil column is 173 years. This time of travel is for soil moisture. Solutes, which may be sorbed/desorbed on soil, can be expected to migrate at a slower apparent velocity than the soil moisture and will require a longer period of time to reach the water table.

Given an estimate of the time of travel from the bottom of Landfill No. 25 to the surface of the water table, it is possible to estimate the concentration attenuation of organic species from biological, chemical, and physical degradation. A first-order decay mechanism was assumed for the organic species of concern. First-order decay coefficients were obtained from the Soil Fate and Transport Database (Sims, et al., 1991). Coefficients ranged from 0.32 day^{-1} for highly labile species such as 2-methylnaphthalene to 0.00007 day^{-1} for very persistent species such as chrysene. No data were available for 2-hexanone, carbon disulfide, dichloropropanol, endosulfan sulfate, ethyl benzene, MCPP, 4-amino biphenyl, acenaphthene, benzo(g,h,i)perylene, dibenzofuran, or dibutyl phthalate.

In addition to attenuation by first-order decay, a physical dilution of groundwater contaminants can be expected to take place as groundwater is pumped from the aquifer. For the purpose of this risk assessment, a hypothetical agricultural well was placed downgradient of the Landfill and assumed to pump at an average rate of 100 gallons per minute. Assuming a vertical percolation rate of 1 inch per year over a landfill surface area of 29 acres, a total percolation flux of 1.5 gallons per minute can be calculated (1 inch/year * 29 acres = 1.5 GPM). Assuming all of the percolating water is captured by the well, then a physical dilution of 0.015 can be calculated as 1.5 GPM/100

GPM. The dilution of 0.015 was applied to all contaminant concentrations calculated at the water table.

Given the extended time of travel, even the most persistent species for which data were available (chrysene, with a half life of 9800 days) can be expected to be attenuated and diluted to 0.0002 or less than its original concentration. Less persistent species can be expected to be attenuated to lower concentrations than this.

The fate of metals in the unsaturated zone was modeled using estimated distribution coefficients (K_d's) (Baes and Sharp, 1983; Baes et al, 1984) to partition them between the sorbed, solid phase and the mobile, liquid phase using the relationship $C_{liquid} = C_{solid}/K_d$. Where no K_d values were available, a worst-case scenario in which 50% of the metal of interest was contained in the pore water and 50% was sorbed to the solid phase was assumed. Table K-2 presents contaminant concentrations estimated to migrate to the groundwater.

Table K-2

Estimated Groundwater Concentrations as a Result of Contamination at Landfill No. 25, Cannon AFB, Clovis, New Mexico

Chemical Name	Estimated Groundwater Concentration at Wellhead (mg/L)
Organics	
ß-BHC	0.00E+00
Benzene	0.00E+00
Benzo(a)pyrene	1.09E-08
Benzo(b)fluoranthene	2.31E-33
Benzo(k)fluoranthene	1.81E-85
4,4'-DDD	2.77E-20
4,4'-DDE	1.37E-19
4,4'-DDT	1.82E-16
Diesel Fuel	0.00E+00
Fluoranthene	5.04E-25
Heptachlor	3.05E-20
Heptachlor Epoxide	3.47E-20
Hydrocarbons	0.00E+00
MCPP	0.00E+00
Methylene Chloride	1.78E-39
Pyrene	1.04E-40
Toluene	0.00E+00
Inorganics	
Aluminum	1.36E+02
Arsenic	2.34E-03
Manganese	9.13E-03
Thallium	1.13E-06

Table K-2

(Continued)

Chemical Name	Estimated Groundwater Concentration at Wellhead (mg/L)
Vanadium	2.47E-04
Zinc	9.99E-03

4.0 REFERENCES

Baes, C.F. III, and Sharp, R.D. "A Proposal for Estimation of Soil Leaching and Leaching Constants for Use in Assessment Models." J. Environ. Qual., 12:17-28, 1983.

Baes, C.F. III, Sharp, R.D., Sjoreen, A.L. and Shore, R.W. "A Review and Analysis of Parameters for Assessing Transport of Environmentally Released Radionuclides Through Agriculture." Oak Ridge National Laboratory, ORNL 5786, DE 85000287. September, 1984.

van Genuchten, R. (1978). "Calculating the Unsaturated Hydraulic Conductivity with a New Closed-form Analytical Model." 78-WR-08. Water Resources Program, Department of Civil Engineering, Princeton University, Princeton, NJ.

Sims, RC, JL Sims, SG Hansen (1991). "Soil Transport and Fate Database, Version 2.0." Department of Civil and Environmental Engineering, Utah State University, Logan, Utah.

Stephens, DB, K Lambert, and D Watson (1987). "Regression Models for Hydraulic Conductivity and Field Test of the Borehole Permeameter." Water Resources Research, 23(12):2207-2214.

Woodward-Clyde (1992). "Remedial Investigation Report for 18 Solid Waste Management Units, Cannon Air Force Base, Clovis, New Mexico." Prepared for U.S. Department of the Army Corps of Engineers, Omaha District, Omaha, Nebraska. Draft report number 22792/89MC114W/R9.1 05-13-92/RPT/10.

APPENDIX L

SURFACE WATER MODELING

FOR LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

1.0 SURFACE WATER MODELING

Surface water modeling was completed using the guidelines set forth in the Superfund Exposure Assessment Manual, USEPA Document No. EPA/540/1-88/001, April 1988). The Soil Conservation Service "curve number" rainfall/runoff hydrograph model (Mockus 1972) was used to calculate runoff from six different storm events. The hydrographs from each storm event were then imported into a model that uses the Modified Universal Soil Loss Equation (MUSLE). The Universal Soil Loss Equation (USLE) was developed by Wischmeir and Smith and is described in the USDA Agricultural Handbook (#537, 1978). USLE is used to determine sediment lost from a watershed and MUSLE is used to determine sediment yield to a down-gradient location.

The rainfall/runoff data were used in conjunction with published values for the region and an average and an extreme year were calculated. The yearly runoff and sediment yield values were totalled. Once the runoff and soil yield values were calculated, the dissolved and sorbed fractions of the contaminants were determined using the compound's sorption partition coefficient. This mass loading was divided by the calculated volume of Playa Lake to determine the estimated concentration of contaminants in the lake surface waters resulting from surface water runoff collection.

2.0 RAINFALL/RUNOFF CALCULATIONS

Curve Numbers (CN) are used to quantify the land use, the applied treatment or practice, the hydrologic condition of the soil, and the soil type. Examples of land use include, farming, native forests, deserts, etc. Treatment or practice refers to specific erosion controls like contoured plowing or terracing. The soils hydrologic condition is the result of the surface conditions such as exposed soil from overgrazing or burns. Soil type refers to percent of sand, silt, and clay.

Landfill No. 25 was divided into two hydrologic response units (HRUs). The northern section of 11 acres was characterized as pinon-juniper woodlands with no erosion control practices. The hydrologic condition was defined as "fair" and the soil type was given a "B" classification which refers to a moderately fine to moderately coarse texture. The curve number for these conditions is CN=58 (Van Haveren, 1991). The southern 21 acres was defined as desert-brush with the same conditions as above. The curve number for this HRU is CN=70 (Van Haveren, 1991).

The 2-year 1-hour, 2-year 6-hour, 2-year 24-hour, 100 -year 1-hour, 100-year 6-hour, and the 100-year 24-hour storms were calculated and modelled to precipitate on the site. Precipitation amounts (inches) for these events are published values (Dunne and Leopold, 1978). The total precipitation for each event is presented in Table L-1.

For the 1 and 6 hour storms, the SCS Type B storm hydrograph was used as the precipitation distribution. The SCS Type B storm closely matches the distribution of a desert convective storm (Van Haveren, 1992). 24 hour storms are usually frontal storms, and therefore, a uniform storm distribution was used (Van Haveren, 1992). The runoff from each storm event is tabularized in Table L-1. The model outputs are provided in this appendix.

Table L-1

Rainfall \ Runoff Estimates for Landfill No. 25, Cannon AFB

STORM	TOTAL PRECIPITATION (inches)	TOTAL RUNOFF (acre-ft.)	TOTAL RUNOFF (inches)
2 yr. 1 hr.	1.20	0.04	0.0167
2 yr. 6 hr.	1.70	0.25	0.0938
2 yr. 24 hr.	2.25	0.67	0.2517
100 yr. 1 hr.	2.90	1.38	0.5161
100 yr. 6 hr.	4.00	2.94	1.1012
100 yr. 24 hr.	5.50	5.56	2.0841

3.0 MUSLE

The MUSLE is used to calculate sediment yield based on:

- Volume of runoff;
- Peak flow rate;
- Soil erodibility factor;
- Slope length steepness factor;
- Cover factor; and,
- Erosion control practices.

The runoff volume and the peak flow rate were imported from the hydrograph generated during rainfall/runoff calculations. Soil erodibility was calculated using a sediment made of 90% sand/silt, 5% clay, and 5% organic material. This is supported by the sieve analysis (Section 4.2.3 of the RI report). The structure was defined as fine-granular and the permeability as moderate. The slope length steepness was calculated using 500 foot lengths with a 2.5% slope. The cover factor was based on a 30% vegetative cover with an average height of 10 feet. The total surface cover used was 50% and the surface was described as a natural shrub. No erosion control practice factor was used. The results of the MUSLE modeling are presented in Table L-2. The model outputs are included in this appendix.

Table L-2

MUSLE Results

STORM	TOTAL PRECIPITATION (inches)	SEDIMENT YIELD (tons)
2 yr. 1 hr.	1.20	0.087
2 yr. 6 hr.	1.70	0.327
2 yr. 24 hr.	2.25	0.619
100 yr. 1 hr.	2.90	3.909
100 yr. 6 hr.	4.00	5.789
100 yr. 24 hr.	5.50	5.055

4.0 AVERAGE AND REASONABLE EXTREME YEAR CALCULATIONS

The rainfall values for the various storm events were compared to the published precipitation values for the Clovis area. This comparison suggested that four 2-year 1-hour, three 2-year 6-hour, and three 2-year 24-hour storms make-up an average year. The total precipitation for this combination is 16.65 inches. The published average for the area is 16.64 inches.

The reasonable extreme year was calculated by substituting a 100-year 6-hour storm for one 2-year 6-hour storm in the average year. The total precipitation, runoff, and sediment yield for each condition is summarized in Table L-3.

Table L-3

Average and Reasonable Extreme Years

EVENT	TOTAL PRECIPITATION (inches)	TOTAL RUNOFF (inches)	SEDIMENT YIELD (tons)
Average Year	16.65	1.1	3.19
Extreme Year	18.95	2.1	8.65

5.0 DISSOLVED AND SORBED CONCENTRATIONS

First, the amounts of adsorbed and dissolved substances were determined using the following equations:

$$S_s = \left[\frac{1}{1 + \frac{\Theta_c}{K_d \beta}} \right] (C_i)\ (A)$$

and

$$D_s = \left[\frac{1}{1 + \frac{K_d \beta}{\Theta_c}} \right] (C_i)\ (A)$$

where

S_s	=	sorbed substance quantity, in lb;
Θ_c	=	available water capacity of the top cm of soil (difference between wilting point and field capacity), (dimensionless);
K_d	=	sorption partition coefficient, in cm^3/g;
β	=	soil bulk density, in g/cm^3;
C_i	=	total substance concentration, in lb/acre-cm;
A	=	contaminated area, in acre-cm (actually a volume; assumption is contamination in upper 1 cm is available for release; and
D_s	=	dissolved substance quantity, in lb.

After calculating the amount of sorbed and dissolved contaminant, the total loading to the receiving body of water was calculated using the following equations:

$$PX_i = \left[\frac{Y(S)_E}{100\beta}\right] S_s$$

and

$$PQ_i = \left[\frac{Q_r}{R_t}\right] D_s$$

where

PX_i	=	sorbed substance loss per year (annual or extreme), in lb;
$Y(S)_E$	=	sediment yield, in tons per year;
β	=	soil bulk density, in g/cm^3;
S_s	=	sorbed substance quantity, in lb;
PQ_i	=	dissolved substance loss per year, in lb;
Q_r	=	total annual runoff depth, in inches;
R_t	=	total annular rainfall, in inches; and
D_s	=	dissolved substance quantity, in lb.

PQ_i was then converted to mg/L to estimate contaminant concentration in Playa Lake by dividing the mass loading per year by the estimated volume of Playa Lake (6×10^6 ft^3). The results of this modeling are presented in Table L-4. The model outputs are included in this appendix.

Table L-4

Average and Reasonable Extreme Yearly Input

Contaminant	Average Yearly Input (mg/l)	Reasonable Extreme Yearly Input (mg/l)
Aluminum	7.00E-01	1.17E+00
Arsenic	2.11E-05	3.55E-05
Benzene	3.98E-07	6.68E-07
Benzo(a)pyrene	4.72E-09	7.91E-09
Benzo(b)flouranthene	1.13E-08	1.90E-08
Benzo(k)flouranthene	1.07E-08	1.80E-08
beta BHC	7.17E-09	1.20E-08
DDD	1.99E-09	3.34E-09
DDE	1.16E-08	1.94E-08
DDT	9.81E-09	1.65E-08
Diesel	4.91E-03	8.24E-03
Flouranthene	3.80E-08	6.37E-08
Heptachlor	6.88E-09	1.15E-08
Heptachlor epoxide	1.24E-09	2.08E-09
Hydrocarbons	5.08E-02	8.52E-02
Manganese	1.14E-05	1.91E-05
Methylene chloride	1.20E-06	2.01E-06
Pyrene	3.66E-08	6.14E-08
Thallium	6.98E-06	1.17E-05
Toluene	2.00E-06	3.36E-06
Vanadium	1.22E-03	2.05E-03
Zinc	1.75E-03	2.94E-03

6.0 REFERENCES

Dunne, T., and Leopold, L.B. (1978). Water in Environmental Planning. W.H. Freeman and Company, New York, NY.

Mockus, J. (1972). Estimation of Direct Runoff from Storm Rainfall. In National Engineering Handbook. Section 4: Hydrology. Washington, D.C.:U.S. Department of Agriculture. Soil Conservation Service (as referenced in Superfund Exposure Assessment Manual, 1988).

Van Haveren, B.P. (1991). Water Resource Measurements: A Handbook for Hydrologists and Engineers. Copyright transferred to author in 1991.

Van Haveren, B.P. (1992). Field Practices in Environmental Hydrology. A course at the Colorado School of Mines.

RAINFALL/RUNOFF SOIL LOSS

STORM HYDROGRAPH

‡

`ANDFILL No. 25

08:58:23

03-02-1993

INPUT SUMMARY

STORM: 2yr1hr

WATERSHED: 1ANDFILL No. 25

DEPTH = 1.20 inches
DURATION = 1.00 hrs
DISTRIB = SCS TYPE B

AVG LAND SLOPE = 2.5 %
LENGTH LONGEST CHANNEL = 3000. ft
TIME OF CONCENTRATION (calc) = 1.201 hr

HRU #	AREA(ac)	CN	Ia(in)
1	11.00	58.00	1.4483
2	21.00	70.00	0.8571

OUTPUT SUMMARY FOR WATERSHED: 1ANDFILL No. 25

NUMBER OF HRUs = 2
TOTAL DRAINAGE AREA = 32.000 acres
Average CN = 65.88
Average INITIAL ABSTRACTION = 1.0361 inches
TIME OF CONCENTRATION = 1.201 hrs
TOTAL RUNOFF DEPTH = 0.0167 inches (0.04 acre-ft)
PEAK FLOW = 0.45 cfs (0.0141 iph)
PEAK TIME = 1.76 hrs
Apparent CN for this storm = 68.60

CN	Ia in	Area Ac	EVENT RUNOFF Source	Ac-ft	Pct
58.0	1.45	11.00	0.00000	0.00	0.00
70.0	0.86	21.00	0.02540	0.04	100.00
65.9		32.00		0.04	100.00

RUSLE / MUSLE‡

SEDIMENT YIELD for this field and this storm :	0.087	tons
STORM DURATION :	1.000	hours
STORM RAINFALL :	1.200	inches
STORM RUNOFF VOLUME :	0.044	acre-feet
STORM PEAK FLOW :	0.450	cubic feet/sec
RUNOFF FACTOR (R) :	9.648	
SLOPE-LENGTH FACTOR (LS) :	0.379	
SOIL ERODIBILITY FACTOR (K) :	0.446	
COVER AND MANAGEMENT FACTOR (C) :	0.048	
EROSION CONTROL PRACTICE FACTOR (P) :	1.000	

STORM HYDROGRAPH

‡

`ANDFILL No. 25

Page No. 1

08:43:18

03-02-1993

INPUT SUMMARY

STORM: 2YR6HR

WATERSHED: 1ANDFILL No. 25

DEPTH = 1.70 inches
DURATION = 6.00 hrs
DISTRIB = SCS TYPE B

AVG LAND SLOPE = 2.5 %
LENGTH LONGEST CHANNEL = 3000. ft
TIME OF CONCENTRATION (calc) = 1.201 hr

HRU #	AREA(ac)	CN	Ia(in)
1	11.00	58.00	1.4483
2	21.00	70.00	0.8571

OUTPUT SUMMARY FOR WATERSHED: 1ANDFILL No. 25

NUMBER OF HRUs = 2
TOTAL DRAINAGE AREA = 32.000 acres
Average CN = 65.88
Average INITIAL ABSTRACTION = 1.0361 inches
TIME OF CONCENTRATION = 1.201 hrs
TOTAL RUNOFF DEPTH = 0.0938 inches (0.25 acre-ft)
PEAK FLOW = 0.85 cfs (0.0266 iph)
PEAK TIME = 4.64 hrs
Apparent CN for this storm = 67.22

CN	Ia in	Area Ac	EVENT RUNOFF Source	Ac-ft	Pct
58.0	1.45	11.00	0.00846	0.01	3.10
70.0	0.86	21.00	0.13852	0.24	96.90
65.9		32.00		0.25	100.00

RUSLE / MUSLE‡

SEDIMENT YIELD for this field and this storm :	0.327	tons
STORM DURATION :	6.000	hours
STORM RAINFALL :	1.700	inches
STORM RUNOFF VOLUME :	0.250	acre-feet
STORM PEAK FLOW :	0.851	cubic feet/sec
RUNOFF FACTOR (R) :	36.301	
SLOPE-LENGTH FACTOR (LS) :	0.379	
SOIL ERODIBILITY FACTOR (K) :	0.446	
COVER AND MANAGEMENT FACTOR (C) :	0.048	
EROSION CONTROL PRACTICE FACTOR (P) :	1.000	

STORM HYDROGRAPH

ANDFILL No. 25 Page No. 1

09:07:23 03-02-1993

INPUT SUMMARY

STORM: 2yr24hr WATERSHED: 1ANDFILL No. 25

DEPTH = 2.25 inches
DURATION = 24.00 hrs
DISTRIB = UNIFORM

AVG LAND SLOPE = 2.5 %
LENGTH LONGEST CHANNEL = 3000. ft
TIME OF CONCENTRATION (calc) = 1.201 hr

HRU #	AREA(ac)	CN	Ia(in)
1	11.00	58.00	1.4483
2	21.00	70.00	0.8571

OUTPUT SUMMARY FOR WATERSHED: 1ANDFILL No. 25

NUMBER OF HRUs = 2
TOTAL DRAINAGE AREA = 32.000 acres
Average CN = 65.88
Average INITIAL ABSTRACTION = 1.0361 inches
TIME OF CONCENTRATION = 1.201 hrs
TOTAL RUNOFF DEPTH = 0.2517 inches (0.67 acre-ft)
PEAK FLOW = 0.99 cfs (0.0309 iph)
PEAK TIME = 24.18 hrs
Apparent CN for this storm = 66.73

CN	Ia in	Area Ac	EVENT RUNOFF Source	Ac-ft	Pct
58.0	1.45	11.00	0.07991	0.07	10.92
70.0	0.86	21.00	0.34164	0.60	89.08
65.9		32.00		0.67	100.00

RUSLE / MUSLE‡

SEDIMENT YIELD for this field and this storm :	0.619	tons
STORM DURATION :	24.000	hours
STORM RAINFALL :	2.250	inches
STORM RUNOFF VOLUME :	0.671	acre-feet
STORM PEAK FLOW :	0.990	cubic feet/sec
RUNOFF FACTOR (R) :	68.655	
SLOPE-LENGTH FACTOR (LS) :	0.379	
SOIL ERODIBILITY FACTOR (K) :	0.446	
COVER AND MANAGEMENT FACTOR (C) :	0.048	
EROSION CONTROL PRACTICE FACTOR (P) :	1.000	

STORM HYDROGRAPH

‡

ˡANDFILL No. 25 Page No. 1

09:55:32 03-02-1993

INPUT SUMMARY

STORM: 100yr 1hr WATERSHED: lANDFILL No. 25

DEPTH = 2.90 inches AVG LAND SLOPE = 2.5 %
DURATION = 1.00 hrs LENGTH LONGEST CHANNEL = 3000. ft
DISTRIB = SCS TYPE B TIME OF CONCENTRATION (calc) = 1.201 hr

HRU #	AREA(ac)	CN	Ia(in)
1	11.00	58.00	1.4483
2	21.00	70.00	0.8571

OUTPUT SUMMARY FOR WATERSHED: lANDFILL No. 25

NUMBER OF HRUs = 2
TOTAL DRAINAGE AREA = 32.000 acres
Average CN = 65.88
Average INITIAL ABSTRACTION = 1.0361 inches
TIME OF CONCENTRATION = 1.201 hrs
TOTAL RUNOFF DEPTH = 0.5161 inches (1.38 acre-ft)
PEAK FLOW = 12.99 cfs (0.4059 iph)
PEAK TIME = 1.60 hrs
Apparent CN for this storm = 66.48

CN	Ia in	Area Ac	EVENT RUNOFF Source	Ac-ft	Pct
58.0	1.45	11.00	0.24243	0.22	16.15
70.0	0.86	21.00	0.65943	1.15	83.85
65.9		32.00		1.38	100.00

RUSLE / MUSLE‡

SEDIMENT YIELD for this field and this storm :	3.909	tons
STORM DURATION :	1.000	hours
STORM RAINFALL :	2.900	inches
STORM RUNOFF VOLUME :	1.376	acre-feet
STORM PEAK FLOW :	12.988	cubic feet/sec
RUNOFF FACTOR (R) :	433.871	
SLOPE-LENGTH FACTOR (LS) :	0.379	
SOIL ERODIBILITY FACTOR (K) :	0.446	
COVER AND MANAGEMENT FACTOR (C) :	0.048	
EROSION CONTROL PRACTICE FACTOR (P) :	1.000	

STORM HYDROGRAPH

ANDFILL No. 25 Page No. 1

09:56:56 03-02-1993

INPUT SUMMARY

STORM: 100yr 6hr WATERSHED: lANDFILL No. 25

DEPTH = 4.00 inches
DURATION = 6.00 hrs
DISTRIB = SCS TYPE B

AVG LAND SLOPE = 2.5 %
LENGTH LONGEST CHANNEL = 3000. ft
TIME OF CONCENTRATION (calc) = 1.201 hr

HRU #	AREA(ac)	CN	Ia(in)
1	11.00	58.00	1.4483
2	21.00	70.00	0.8571

OUTPUT SUMMARY FOR WATERSHED: lANDFILL No. 25

NUMBER OF HRUs = 2
TOTAL DRAINAGE AREA = 32.000 acres
Average CN = 65.88
Average INITIAL ABSTRACTION = 1.0361 inches
TIME OF CONCENTRATION = 1.201 hrs
TOTAL RUNOFF DEPTH = 1.1012 inches (2.94 acre-ft)
PEAK FLOW = 12.27 cfs (0.3835 iph)
PEAK TIME = 3.68 hrs
Apparent CN for this storm = 66.26

CN	Ia in	Area Ac	EVENT RUNOFF Source	Ac-ft	Pct
58.0	1.45	11.00	0.66489	0.61	20.76
70.0	0.86	21.00	1.32967	2.33	79.24
65.9		32.00		2.94	100.00

RUSLE / MUSLE‡

SEDIMENT YIELD for this field and this storm :	5.789	tons
STORM DURATION :	6.000	hours
STORM RAINFALL :	4.000	inches
STORM RUNOFF VOLUME :	2.936	acre-feet
STORM PEAK FLOW :	12.272	cubic feet/sec
RUNOFF FACTOR (R) :	642.517	
SLOPE-LENGTH FACTOR (LS) :	0.379	
SOIL ERODIBILITY FACTOR (K) :	0.446	
COVER AND MANAGEMENT FACTOR (C) :	0.048	
EROSION CONTROL PRACTICE FACTOR (P) :	1.000	

STORM HYDROGRAPH

`ANDFILL No. 25 Page No. 1

09:58:16 03-02-1993

INPUT SUMMARY

STORM: 100yr 24hr WATERSHED: 1ANDFILL No. 25

DEPTH = 5.50 inches
DURATION = 24.00 hrs
DISTRIB = UNIFORM

AVG LAND SLOPE = 2.5 %
LENGTH LONGEST CHANNEL = 3000. ft
TIME OF CONCENTRATION (calc) = 1.201 hr

HRU #	AREA(ac)	CN	Ia(in)
1	11.00	58.00	1.4483
2	21.00	70.00	0.8571

OUTPUT SUMMARY FOR WATERSHED: 1ANDFILL No. 25

NUMBER OF HRUs =	2		
TOTAL DRAINAGE AREA =	32.000	acres	
Average CN =	65.88		
Average INITIAL ABSTRACTION =	1.0361	inches	
TIME OF CONCENTRATION =	1.201	hrs	
TOTAL RUNOFF DEPTH =	2.0841	inches	(5.56 acre-ft)
PEAK FLOW =	5.09	cfs	(0.1591 iph)
PEAK TIME =	24.02	hrs	
Apparent CN for this storm =	66.09		

CN	Ia in	Area Ac	EVENT RUNOFF Source	Ac-ft	Pct
58.0	1.45	11.00	1.45367	1.33	23.98
70.0	0.86	21.00	2.41429	4.22	76.02
65.9		32.00		5.56	100.00

RUSLE / MUSLE‡

SEDIMENT YIELD for this field and this storm :	5.055	tons
STORM DURATION :	24.000	hours
STORM RAINFALL :	5.500	inches
STORM RUNOFF VOLUME :	5.557	acre-feet
STORM PEAK FLOW :	5.090	cubic feet/sec
RUNOFF FACTOR (R) :	561.061	
SLOPE-LENGTH FACTOR (LS) :	0.379	
SOIL ERODIBILITY FACTOR (K) :	0.446	
COVER AND MANAGEMENT FACTOR (C) :	0.048	
EROSION CONTROL PRACTICE FACTOR (P) :	1.000	

CONCENTRATIONS

Quantitative Analysis of Dissolved Contaminant Releases
Using Superfund Exposure Assessment Manual (USEPA, ORR April 1988)

In this table, the following parameters are constants:

	Constant Name	Value
Soil Bulk Density (g/cm^3)	B	1.5
Avail. Water Capacity	Ec	0.125
Contaminated Area (acre-cm)	A	32
Avg Yearly Sediment Yield (tons	YSEa	3.19
Average Total Precipitation (in)	Rta	16.65
Average Total Storm Runoff De	Qra	1.1
Extreme Yrly Sediment Yield (to	YSEe	8.65
Extreme Total Precipitation (in)	Rte	18.95
Extreme Total Storm Runoff De	Qre	2.1

Contaminant	log Kd	Partition Coeff. Kd (cm^3/g)	Concentration Cl (lb/acre-cm)	Dissolved Quantity Ds (lb)	Sorbed Quantity Ss (lb)	Sorbed per Year PXla (lb)	Sorbed per Year PXle (lb)	Dissolved per Year PQla (lb)	Dissolved per Year PQle (lb)
Aluminum	0.00	1.00E+00	1.613E+03	3.97E+03	4.76E+04	1.01E+03	2.75E+03	2.62E+02	4.40E+02
Antimony	1.97	9.33E+01	1.755E-02	5.01E-04	5.61E-01	1.19E-02	3.24E-02	3.31E-05	5.55E-05
Arsenic		8.30E+00	3.760E-01	1.20E-01	1.19E+01	2.53E-01	6.87E-01	7.90E-03	1.33E-02
Benzene	-0.38	4.17E-01	4.234E-04	2.26E-03	1.13E-02	2.40E-04	6.51E-04	1.49E-04	2.50E-04
Benzo(a)pyrene	3.33	2.14E+03	2.144E-02	2.67E-05	6.86E-01	1.46E-02	3.96E-02	1.77E-06	2.96E-06
Benzo(b)fluoranthene	3.00	1.00E+03	2.412E-02	6.43E-05	7.72E-01	1.64E-02	4.45E-02	4.25E-06	7.13E-06
Benzo(k)fluoranthene	3.00	1.00E+03	2.278E-02	6.07E-05	7.29E-01	1.55E-02	4.20E-02	4.01E-06	6.73E-06
Beryllium	0.00	1.00E+00	5.775E-02	1.42E-01	1.71E+00	3.63E-02	9.84E-02	9.39E-03	1.58E-02
beta BHC	1.12	1.32E+01	2.023E-04	4.07E-05	6.43E-03	1.37E-04	3.71E-04	2.69E-06	4.51E-06
Chromium	2.00	1.00E+02	1.407E+00	3.75E-02	4.50E+01	9.57E-01	2.59E+00	2.48E-03	4.15E-03
Cobalt	3.48	3.00E+03	4.234E-01	3.76E-04	1.35E+01	2.88E-01	7.81E-01	2.49E-05	4.17E-05
Copper	2.48	3.00E+02	8.656E-01	7.69E-03	2.77E+01	5.89E-01	1.60E+00	5.08E-04	8.52E-04
DDD	2.00	1.00E+02	4.234E-04	1.13E-05	1.35E-02	2.88E-04	7.81E-04	7.45E-07	1.25E-06
DDE	2.00	1.00E+02	2.463E-03	6.56E-05	7.88E-02	1.67E-03	4.54E-03	4.34E-06	7.27E-06
DDT	2.00	1.00E+02	2.088E-03	5.56E-05	6.68E-02	1.42E-03	3.85E-03	3.68E-06	6.17E-06
Diesel	0.00	1.00E+00	1.132E+01	2.79E+01	3.34E+02	7.11E+00	1.93E+01	1.84E+00	3.09E+00
Fluoranthene	2.45	2.82E+02	2.278E-02	2.15E-04	7.29E-01	1.55E-02	4.20E-02	1.42E-05	2.39E-05
Heptachlor	1.21	1.62E+01	2.385E-04	3.90E-05	7.59E-03	1.61E-04	4.38E-04	2.58E-06	4.32E-06
Heptachlor epoxide	1.21	1.62E+01	4.288E-05	7.01E-06	1.37E-03	2.90E-05	7.87E-05	4.63E-07	7.77E-07
Hydrocarbons	0.00	1.00E+00	1.170E+02	2.88E+02	3.46E+03	7.35E+01	1.99E+02	1.90E+01	3.19E+01
Lead	3.00	1.00E+03	2.184E+00	5.82E-03	6.99E+01	1.49E+00	4.03E+00	3.85E-04	6.45E-04
Manganese	3.00	1.00E+03	2.420E+01	6.45E-02	7.74E+02	1.65E+01	4.47E+01	4.26E-03	7.15E-03
Methylene chloride	0.00	1.00E+00	2.763E-03	6.80E-03	8.16E-02	1.74E-03	4.71E-03	4.49E-04	7.54E-04
Pyrene	2.44	2.75E+02	2.144E-02	2.08E-04	6.86E-01	1.46E-02	3.96E-02	1.37E-05	2.30E-05
Thallium	0.00	1.00E+00	1.608E-02	3.96E-02	4.75E-01	1.01E-02	2.74E-02	2.61E-03	4.39E-03
Toluene	-0.02	9.55E-01	4.426E-03	1.14E-02	1.30E-01	2.77E-03	7.51E-03	7.51E-04	1.26E-03
Vanadium	0.00	1.00E+00	2.814E+00	6.93E+00	8.31E+01	1.77E+00	4.79E+00	4.58E-01	7.68E-01
Zinc	0.00	1.00E+00	4.033E+00	9.93E+00	1.19E+02	2.53E+00	6.87E+00	6.56E-01	1.10E+00

Conversion of Mass Loading into Concentrations in Playa Lake

Contaminant	Dissolved per Year PQia (lb)	Dissolved per Year PQie (lb)	Average Conc (lb/ft^3)	Extreme Conc (lb/ft^3)	Average Conc (mg/L)	Extreme Conc (mg/L)
Aluminum	2.62E+02	4.40E+02	4.37E-05	7.33E-05	7.00E-01	1.17E+00
Antimony	3.31E-05	5.55E-05	5.52E-12	9.25E-12	8.84E-08	1.48E-07
Arsenic	7.90E-03	1.33E-02	1.32E-09	2.22E-09	2.11E-05	3.55E-05
Benzene	1.49E-04	2.50E-04	2.49E-11	4.17E-11	3.98E-07	6.68E-07
Benzo(a)pyrene	1.77E-06	2.96E-06	2.94E-13	4.94E-13	4.72E-09	7.91E-09
Benzo(b)fluoranthene	4.25E-06	7.13E-06	7.08E-13	1.19E-12	1.13E-08	1.90E-08
Benzo(k)fluoranthene	4.01E-06	6.73E-06	6.69E-13	1.12E-12	1.07E-08	1.80E-08
Beryllium	9.39E-03	1.58E-02	1.57E-09	2.63E-09	2.51E-05	4.21E-05
beta BHC	2.69E-06	4.51E-06	4.48E-13	7.51E-13	7.17E-09	1.20E-08
Chromium	2.48E-03	4.15E-03	4.13E-10	6.92E-10	6.61E-06	1.11E-05
Cobalt	2.49E-05	4.17E-05	4.14E-12	6.95E-12	6.64E-08	1.11E-07
Copper	5.08E-04	8.52E-04	8.47E-11	1.42E-10	1.36E-06	2.28E-06
DDD	7.45E-07	1.25E-06	1.24E-13	2.08E-13	1.99E-09	3.34E-09
DDE	4.34E-06	7.27E-06	7.23E-13	1.21E-12	1.16E-08	1.94E-08
DDT	3.68E-06	6.17E-06	6.13E-13	1.03E-12	9.81E-09	1.65E-08
Diesel	1.84E+00	3.09E+00	3.07E-07	5.15E-07	4.91E-03	8.24E-03
Fluoranthene	1.42E-05	2.39E-05	2.37E-12	3.98E-12	3.80E-08	6.37E-08
Heptachlor	2.58E-06	4.32E-06	4.30E-13	7.21E-13	6.88E-09	1.15E-08
Heptachlor epoxide	4.63E-07	7.77E-07	7.72E-14	1.30E-13	1.24E-09	2.08E-09
Hydrocarbons	1.90E+01	3.19E+01	3.17E-06	5.32E-06	5.08E-02	8.52E-02
Lead	3.85E-04	6.45E-04	6.41E-11	1.08E-10	1.03E-06	1.72E-06
Manganese	4.26E-03	7.15E-03	7.11E-10	1.19E-09	1.14E-05	1.91E-05
Methylene chloride	4.49E-04	7.54E-04	7.49E-11	1.26E-10	1.20E-06	2.01E-06
Pyrene	1.37E-05	2.30E-05	2.29E-12	3.83E-12	3.66E-08	6.14E-08
Thallium	2.61E-03	4.39E-03	4.36E-10	7.31E-10	6.98E-06	1.17E-05
Toluene	7.51E-04	1.26E-03	1.25E-10	2.10E-10	2.00E-06	3.36E-06
Vanadium	4.58E-01	7.68E-01	7.63E-08	1.28E-07	1.22E-03	2.05E-03
Zinc	6.56E-01	1.10E+00	1.09E-07	1.83E-07	1.75E-03	2.94E-03

APPENDIX M

INTAKE CALCULATIONS

FOR LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

1.0 ESTIMATING CONCENTRATIONS OF CONSTITUENTS IN SOILS IRRIGATED WITH CONTAMINATED WATER

Potentially contaminated water from the playa lake is used by a local farmer for irrigation purposes. Therefore, it was assumed that use of contaminated water for irrigating farm crops contributes to concentrations of chemicals in edible portions of plants. The concentration of chemicals in plants depends on the concentration of the chemical in irrigation water, subsequent concentration in soil, the plant type, and other factors. A concentration in soil of irrigated land, after a specified number of years of irrigation was derived using the algorithm below. Concentrations in soil as a result of irrigation with potentially contaminated surface water and groundwater are presented in Tables M-1 and M-2, respectively.

The formula used to estimate the chemical concentration in soil resulting from irrigation with contaminated water is presented below.

$$C_s = (C_w \times IR \times F \times YR \times X)/(SD \times D) \qquad \text{(H-1-1)}$$

where:

C_s	=	Chemical concentration in soil (mg/kg);
C_w	=	Chemical concentration in water used for irrigation (ug/L);
IR	=	Irrigation rate ($L/m^2/year$);
F	=	Fraction of year land is irrigated (unitless);
YR	=	Total number of years irrigation is applied;
X	=	Conversion factor (1 mg/1000 ug);
SD	=	Soil density (kg/m^3); and
D	=	Soil depth (m).

TABLE M-1. CONCENTRATIONS IN SOIL (Cs) AS A RESULT OF IRRIGATION WITH SURFACE WATER FOR 30 YEARS
Cannon AFB, New Mexico (LF25): For chronic exposure evaluation
File: PLANT.WK1

a Cs = (Cw)(IR)(F)(YR)/(SD)(D) (Clement,1988)

where: Cs = Concentration in soil - as a result of irrigation (mg/kg)
Cw = concentration in water used for irrigation (mg/L)
IR = irrigation]
F = fraction of year land is irrigated (unitless)
YR = total number of years irrigation is applied (year)
SD = soil density (kg/m3)
D = soil depth (m)

Chemical	Cw (mg/L) b Average	Reas. Max.	IR c (L/m2/yr)	F	YR d (year)	SD e (kg/m3)	D f (m)	Cs (mg/kg) Average	Reas. Max.
4,4'-DDD	1.99E-09	3.34E-09	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	4.90E-11	8.22E-11
4,4'-DDE	1.16E-08	1.94E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.85E-10	4.77E-10
4,4'-DDT	9.81E-09	1.65E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.41E-10	4.06E-10
Aluminum	7.00E-01	1.17E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.72E-02	2.88E-02
Arsenic	2.11E-05	3.55E-05	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	5.19E-07	8.74E-07
Benzene	3.98E-07	6.68E-07	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	9.79E-09	1.64E-08
Benzo(a)pyrene	4.72E-09	7.91E-09	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.16E-10	1.95E-10
Benzo(b)fluoranthene	1.13E-08	1.90E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.78E-10	4.68E-10
Benzo(k)fluoranthene	1.07E-08	1.80E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.63E-10	4.43E-10
beta-BHC	7.17E-09	1.20E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.76E-10	2.95E-10
Diesel	4.91E-03	8.24E-03	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.21E-04	2.03E-04
Fluoranthene	3.80E-08	6.37E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	9.35E-10	1.57E-09
Heptachlor	6.88E-09	1.15E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.69E-10	2.83E-10
Heptachlor epoxide	1.24E-09	2.08E-09	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	3.05E-11	5.12E-11
Hydrocarbons	5.08E-02	8.52E-02	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.25E-03	2.10E-03
Manganese (food)	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Manganese (water)	1.14E-05	1.91E-05	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.81E-07	4.70E-07
MCPP	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Methylene chloride	1.20E-06	2.01E-06	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.95E-08	4.95E-08
Pyrene	3.66E-08	6.14E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	9.01E-10	1.51E-09
Thallium sulfate	6.98E-06	1.17E-05	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.72E-07	2.88E-07

Toluene	2.00E-06	3.36E-06	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	4.92E-08	8.27E-08
Vanadium	1.22E-03	2.05E-03	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	3.00E-05	5.04E-05
Zinc	1.75E-03	2.94E-03	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	4.31E-05	7.23E-05

TABLE M-2. CONCENTRATIONS IN SOIL (Cs) AS A RESULT OF IRRIGATION WITH GROUNDWATER FOR 30 YEARS
Cannon AFB, New Mexico (LF25): For chronic exposure evaluation
File: PLANT2.WK1

a Cs = (Cw)(IR)(F)(YR)(X)/(SD)(D) (Clement,1988)

where: Cs = Concentration in soil - as a result of irrigation (mg/kg)
Cw = concentration in water used for irrigation (mg/L)
IR = irrigation rate (L/m2/year)
F = fraction of year land is irrigated (unitless)
YR = total number of years irrigation is applied (year)
SD = soil density (kg/m3)
D = soil depth (m)

Chemical	Cw (mg/L) b Average	Reas. Max.	IR c (L/m2/yr)	F	YR d (year)	SD e (kg/m3)	D f (m)	Cs (mg/kg) Average	Reas. Max.
4,4'-DDD	2.76E-20	2.76E-20	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	6.79E-22	6.79E-22
4,4'-DDE	1.37E-19	1.37E-19	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	3.37E-21	3.37E-21
4,4'-DDT	1.82E-16	1.82E-16	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	4.48E-18	4.48E-18
Aluminum	1.36E+03	1.36E+03	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	3.35E+01	3.35E+01
Arsenic	5.07E-03	5.07E-03	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.25E-04	1.25E-04
Benzene	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Benzo(a)pyrene	1.09E-08	1.09E-08	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.68E-10	2.68E-10
Benzo(b)fluoranthene	2.31E-33	2.31E-33	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	5.69E-35	5.69E-35
Benzo(k)fluoranthene	1.81E-85	1.81E-85	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	4.45E-87	4.45E-87
beta-BHC	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Diesel	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Fluoranthene	5.04E-25	5.04E-25	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	1.24E-26	1.24E-26
Heptachlor	3.04E-20	3.04E-20	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	7.48E-22	7.48E-22
Heptachlor epoxide	3.47E-20	3.47E-20	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	8.54E-22	8.54E-22
Hydrocarbons	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Manganese (food)	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Manganese (water)	9.14E-03	9.14E-03	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.25E-04	2.25E-04
MCPP	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Methylene chloride	1.77E-39	1.77E-39	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	4.36E-41	4.36E-41
Pyrene	1.04E-40	1.04E-40	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.56E-42	2.56E-42
Thallium sulfate	1.10E-06	1.10E-06	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.71E-08	2.71E-08

Toluene	0.00E+00	0.00E+00	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	0.00E+00	0.00E+00
Vanadium	2.47E-04	2.47E-04	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	6.08E-06	6.08E-06
Zinc	9.90E-03	9.90E-03	1.64E-01	1.0	3.00E+01	1.33E+03	1.50E-01	2.44E-04	2.44E-04

2.0 FRUIT AND VEGETABLE EXPOSURE CONCENTRATION CALCULATIONS

A generic formula was used to estimate chemical concentrations in edible plants and is presented below.

$$C_p = C_s \times UF \qquad \text{(H-1-2)}$$

where:

C_p = Chemical concentration in edible plant (mg/kg);

C_s = Chemical concentration in soil (mg/kg); and

UF = Uptake factor for plants (mg/kg plant divided by mg/kg soil).

Uptake factors (the ratio of the chemical concentration in the plant tissue to the chemical concentration in the soil) vary widely between crops and depend upon soil conditions such as pH, the form and concentration of the chemical present in the soil, and the type of soil (Base et al., 1984). For the purposes of this risk assessment, vegetables are defined as plant parts usually associated with vegetative functions (leaves, stems, etc.) and fruits are defined as plant parts associated with reproductive or storage functions (fruits, seeds, tubers, etc.). Example food crops in the vegetative plant part category include lettuce, cabbage, spinach, and celery. Food crops in the reproductive/storage category include apples, tomatoes, carrots, and potatoes.

Research involving primarily pesticides, dioxins, and PCBs with log K_{ow} values ranging from 1.15 to 9.35 indicates that the vegetation uptake factor is proportional to the K_{ow} as follows (Travis and Arms, 1988):

$$\log UF = 1.588 - 0.578 \log K_{ow} \qquad \text{(H-1-3)}$$

where:

UF = Vegetation uptake factor (mg/kg dry plant/mg/kg dry soil); and

K_{ow} = Octanol-water partition coefficient (unitless).

Assuming that this relationship is applicable to all organic compounds with log K_{ow} values of approximately 2.0 and higher, an uptake factor was calculated for contaminants which could potentially contaminate the playa lake or groundwater.

Uptake factors for chemicals in agricultural products were calculated converting from a dry weight basis to a fresh weight basis assuming a conversion factor of 0.22 (weighted for various food groups from Base, et al., 1984). The plant uptake factors calculated for the contaminants of concern are presented in Table M-3. Concentrations of chemicals in plants as a result of irrigation with potentially contaminated surface water or groundwater are presented in Tables M-4 and M-5, respectively.

Table M-3

Plant Uptake Factors for Chemicals of Potential Concern at Landfill No. 25, Cannon AFB, Clovis, New Mexico

Chemicals	Vegetative Plant Parts		Reproductive Plant Parts	
	Dry Weight	Fresh Weight	Dry Weight	Fresh Weight
Organics				
β-BHC	2.31E-01	5.07E-02	2.31E-01	5.07E-02
Benzene [a]	NA	NA	NA	NA
Benzo(a)pyrene	7.54E-03	1.66E-03	7.54E-03	1.66E-03
Benzo(b)fluoranthene	5.93E-03	1.31E-03	5.93E-03	1.31E-03
Benzo(k)fluoranthene	4.25E-03	9.36E-04	4.25E-03	9.36E-04
4,4-DDD	1.28E-02	2.82E-03	1.28E-02	2.82E-03
4,4-DDE	1.99E-02	4.38E-03	1.99E-02	4.38E-03
4,4-DDT	8.16E-03	1.80E-03	8.16E-03	1.80E-03
Diesel Fuel	NA	NA	NA	NA
Fluoranthene	5.70E-02	1.25E-02	5.70E-02	1.25E-02
Heptchlor	2.78E-02	6.11E-03	2.78E-02	6.11E-03
Heptachlor Epoxide	2.93E-02	6.44E-03	2.93E-02	6.44E-03
Hydrocarbons	NA	NA	NA	NA
MCPP	NA	NA	NA	NA
Methylene Chloride [a]	NA	NA	NA	NA
Pyrene	3.93E-02	8.64E-03	3.93E-02	8.64E-03
Toluene [a]	NA	NA	NA	NA
Inorganics				
Aluminum	4.00E-03	8.80E-04	6.50E-04	1.43E-04
Arsenic	4.00E-02	8.80E-03	6.00E-03	1.32E-03
Manganese	2.50E-01	5.50E-02	5.00E-02	1.10E-02
Thallium	4.00E-03	8.80E-04	4.00E-04	8.80E-05
Vanadium	5.50E-03	1.21E-03	3.00E-03	6.60E-04
Zinc	3.30E-01	7.26E-02	9.00E-01	1.98E-01

[a] Plant uptake factors not calculated for volatile chemicals.

NA - Not Available

Table M-4. CONCENTRATIONS IN PLANTS (Cp) AS A RESULT OF IRRIGATION WITH SURFACE WATER FOR 30 YEARS
Cannon AFB, LF25 Chronic Exposure (30 years)

a Cp = (Cs)(UF) (Clement, 1988)

where: Cp = concentration in plant - as a result of irrigation (mg/kg)
Cs = concentration in soil (mg/kg)
UF = uptake factor (mg/kg plant divided by mg/kg soil x 0.22 for dry to wet weight conversion)

Chemical	Cs (mg/kg) b Average	Cs (mg/kg) b Reas. Max.	UF (veg.) c (mg/kg plant/ mg/kg soil)	UF (fruit) c (mg/kg plant/ mg/kg soil)	Cp (veg.) (mg/kg) Average	Cp (veg.) (mg/kg) Reas. Max.	Cp (fruit) (mg/kg) Average	Cp (fruit) (mg/kg) Reas. Max.
4,4'-DDD	4.90E-11	8.22E-11	2.82E-03	2.82E-03	1.38E-13	2.32E-13	1.38E-13	2.32E-13
4,4'-DDE	2.85E-10	4.77E-10	4.38E-03	4.38E-03	1.25E-12	2.09E-12	1.25E-12	2.09E-12
4,4'-DDT	2.41E-10	4.06E-10	1.80E-03	1.80E-03	4.34E-13	7.31E-13	4.34E-13	7.31E-13
Aluminum	1.72E-02	2.88E-02	8.80E-04	1.43E-04	1.52E-05	2.53E-05	2.46E-06	4.12E-06
Arsenic	5.19E-07	8.74E-07	8.80E-03	1.32E-03	4.57E-09	7.69E-09	6.85E-10	1.15E-09
Benzene	9.79E-09	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(a)pyrene	1.16E-10	1.95E-10	1.66E-03	1.66E-03	1.93E-13	3.23E-13	1.93E-13	3.23E-13
Benzo(b)fluoranthene	2.78E-10	4.68E-10	1.31E-03	1.31E-03	3.64E-13	6.12E-13	3.64E-13	6.12E-13
Benzo(k)fluoranthene	2.63E-10	4.43E-10	9.36E-04	9.36E-04	2.46E-13	4.15E-13	2.46E-13	4.15E-13
beta-BHC	1.76E-10	2.95E-10	5.07E-02	5.07E-02	8.94E-12	1.50E-11	8.94E-12	1.50E-11
Diesel	1.21E-04	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fluoranthene	9.35E-10	1.57E-09	1.25E-02	1.25E-02	1.17E-11	1.96E-11	1.17E-11	1.96E-11
Heptachlor	1.69E-10	2.83E-10	6.11E-03	6.11E-03	1.03E-12	1.73E-12	1.03E-12	1.73E-12
Heptachlor epoxide	3.05E-11	5.12E-11	6.44E-03	6.44E-03	1.96E-13	3.30E-13	1.96E-13	3.30E-13
Hydrocarbons	1.25E-03	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese (food)	0.00E+00	0.00E+00	9.90E-02	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese (water)	2.81E-07	4.70E-07	5.50E-02	1.10E-02	1.54E-08	2.58E-08	3.09E-09	5.17E-09
MCPP	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Methylene chloride	2.95E-08	4.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pyrene	9.01E-10	1.51E-09	8.64E-03	8.64E-03	7.78E-12	1.31E-11	7.78E-12	1.31E-11
Thallium sulfate	1.72E-07	2.88E-07	8.80E-04	8.80E-05	1.51E-10	2.53E-10	1.51E-11	2.53E-11
Toluene	4.92E-08	8.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vanadium	3.00E-05	5.04E-05	1.21E-03	6.60E-04	3.63E-08	6.10E-08	1.98E-08	3.33E-08
Zinc	4.31E-05	7.23E-05	7.26E-02	1.98E-01	3.13E-06	5.25E-06	8.53E-06	1.43E-05

Table M-5. CONCENTRATIONS IN PLANTS (Cp) AS A RESULT OF IRRIGATION WITH GROUNDWATER FOR 30 YEARS
Cannon AFB, LF25 Chronic Exposure (30 years)

a Cp = (Cs)(UF) (Clement, 1988)

where: Cp = concentration in plant - as a result of irrigation (mg/kg)
Cs = concentration in soil (mg/kg)
UF = uptake factor (mg/kg plant divided by mg/kg soil x 0.22 for dry to wet weight conversion)

Chemical	Cs (mg/kg) b Average	Cs (mg/kg) b Reas. Max.	UF (veg.) c (mg/kg plant/ mg/kg soil)	UF (fruit) c (mg/kg plant/ mg/kg soil)	Cp (veg.) (mg/kg) Average	Cp (veg.) (mg/kg) Reas. Max.	Cp (fruit) (mg/kg) Average	Cp (fruit) (mg/kg) Reas. Max.
4,4'-DDD	6.79E-22	6.79E-22	2.82E-03	2.82E-03	1.92E-24	1.92E-24	1.92E-24	1.92E-24
4,4'-DDE	3.37E-21	3.37E-21	4.38E-03	4.38E-03	1.48E-23	1.48E-23	1.48E-23	1.48E-23
4,4'-DDT	4.48E-18	4.48E-18	1.80E-03	1.80E-03	8.07E-21	8.07E-21	8.07E-21	8.07E-21
Aluminum	3.35E+01	3.35E+01	8.80E-04	1.43E-04	2.94E-02	2.94E-02	4.79E-03	4.79E-03
Arsenic	1.25E-04	1.25E-04	8.80E-04	1.43E-04	1.10E-07	1.10E-07	1.78E-08	1.78E-08
Benzene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(a)pyrene	2.68E-10	2.68E-10	1.66E-03	1.66E-03	4.45E-13	4.45E-13	4.45E-13	4.45E-13
Benzo(b)fluoranthene	5.69E-35	5.69E-35	1.31E-03	1.31E-03	7.46E-38	7.46E-38	7.46E-38	7.46E-38
Benzo(k)fluoranthene	4.45E-87	4.45E-87	9.36E-04	9.36E-04	4.17E-90	4.17E-90	4.17E-90	4.17E-90
beta-BHC	0.00E+00	0.00E+00	5.07E-02	5.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Diesel	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fluoranthene	1.24E-26	1.24E-26	1.25E-02	1.25E-02	1.55E-28	1.55E-28	1.55E-28	1.55E-28
Heptachlor	7.48E-22	7.48E-22	6.11E-03	6.11E-03	4.57E-24	4.57E-24	4.57E-24	4.57E-24
Heptachlor epoxide	8.54E-22	8.54E-22	6.44E-03	6.44E-03	5.50E-24	5.50E-24	5.50E-24	5.50E-24
Hydrocarbons	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese (food)	0.00E+00	0.00E+00	5.50E-02	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese (water)	2.25E-04	2.25E-04	5.50E-02	1.10E-02	1.24E-05	1.24E-05	2.47E-06	2.47E-06
MCPP	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Methylene chloride	4.36E-41	4.36E-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pyrene	2.56E-42	2.56E-42	8.64E-03	8.64E-03	2.21E-44	2.21E-44	2.21E-44	2.21E-44
Thallium sulfate	2.71E-08	2.71E-08	8.80E-04	8.80E-05	2.38E-11	2.38E-11	2.38E-12	2.38E-12
Toluene	0.00E+00	0.00E+00	2.08E-01	2.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vanadium	6.08E-06	6.08E-06	1.21E-03	6.60E-04	7.35E-09	7.35E-09	4.01E-09	4.01E-09
Zinc	2.44E-04	2.44E-04	7.26E-02	1.98E-01	1.77E-05	1.77E-05	4.82E-05	4.82E-05

3.0 BEEF AND DAIRY PRODUCTS CONCENTRATION CALCULATIONS

The use of contaminated water for stock water and irrigating feed crops is assumed to contribute to the concentration of chemicals in the edible meat of beef cattle and in milk and dairy products. While grazing, cattle also ingest surface soil, which may build up contamination if irrigated. To estimate the chemical concentration in meat and dairy products, the following equation was used:

$$C_{m \text{ or } b} = (FI \times F_{m \text{ or } b} \times B) \sum_{i=1}^{x} C_i Q_i \qquad \text{(H-2-1)}$$

C_m	=	Chemical concentration in milk (mg/kg);
C_b	=	Chemical concentration in beef (mg/kg);
FI	=	Fraction ingested of water from contaminated source (unitless);
F_m	=	Feed-to-milk transfer coefficient (day/kg);
F_b	=	Feed-to-beef transfer coefficient (day/kg);
B	=	Fraction of the chemical in water which is bioavailable (unitless);
X	=	Total number of food or non-food sources i (feed, water, soil, etc.);
C_i	=	Chemical concentration in source i (mg chemical/kg source);
Q_i	=	Quantity of source i ingested per head of farm animal per day (kg/day); and

Feed-to-milk/beef transfer coefficients are defined as the ratio of the chemical concentration in milk/beef (in mg/kg) to the daily intake of the chemical (in mg/day). Bioconcentration of organic compounds in beef and milk depends on the lipophilic characteristics of the chemical. Research on beef involving primarily pesticides

and dioxins with log K_{ow} values ranging from 1.34 to 6.89 indicates that feed-to-beef and feed-to-milk ratios are proportional to the K_{ow} as follows (Travis and Arms, 1988):

$$\log F_b = -7.6 + \log K_{ow} \qquad \text{(H-2-2)}$$

$$\log F_m = -8.10 + \log K_{ow} \qquad \text{(H-2-3)}$$

where:

F_b = Feed-to-beef transfer coefficient (day/kg);
F_m = Feed-to-milk transfer coefficient (day/kg); and
K_{ow} = Octanol-water partition coefficient (unitless).

Similar information from quantitative research is not available for volatile organic compounds. However, assuming that this relationship is applicable to other organic compounds, feed-to-beef and feed-to-milk transfer coefficients were calculated for chemicals of potential concern. The calculated feed-to-beef and feed-to-milk transfer coefficients for contaminants potentially present in the playa lake or groundwater are presented in Table M-6. Concentrations of chemicals in dairy products and beef as a result of using potentially contaminated playa lake water for irrigation of feed crops are presented in Tables M-7 and M-8, respectively. Concentrations of chemicals in dairy products and beef as a result of using potentially contaminated groundwater for irrigation of feed crops and stock water are presented in Tables M-9 and M-10, respectively.

Table M-6

Transfer Coefficients for Chemicals of Potential Concern at Landfill No. 25, Cannon AFB, Clovis, New Mexico

Chemical	Feed to Beef Transfer Coefficient (day/kg)	Feed to Milk Transfer Coefficient (day/kg)
Organics		
β-BHC	1.78E-04	5.62E-05
Benzene	3.39E-06	1.70E-06
Benzo(a)pyrene	6.61E-02	2.09E-02
Benzo(b)fluoranthene	1.00E-01	3.16E-02
Benzo(k)fluoranthene	1.78E-01	5.62E-02
4,4-DDD	2.63E-02	8.32E-03
4,4-DDE	1.23E-02	3.89E-03
4,4-DDT	5.75E-02	1.82E-02
Diesel Fuel	NA	NA
Fluoranthene	2.00E-03	6.31E-04
Heptachlor	6.92E-03	2.19E-03
Heptachlor Epoxide	6.31E-03	2.00E-03
Hydrocarbons	NA	NA
MCPP	NA	NA
Methylene Chloride	5.01E-07	1.58E-07
Pyrene	3.80E-03	1.20E-03
Toluene	1.54E-05	4.90E-06
Inorganics		
Aluminum	1.50E-03	2.00E-04
Arsenic	2.00E-03	6.00E-05
Manganese	4.00E-04	3.50E-04
Thallium	4.00E-02	2.00E-03
Vanadium	2.50E-03	2.00E-03
Zinc	1.00E-01	1.00E-02

TABLE M-7. CONCENTRATIONS IN DAIRY PRODUCTS AS A RESULT OF USING THE SURFACE WATER FOR IRRIGATION AND GROUNDWATER FOR STOCK WATER

CANNON AFB LF25: For chronic exposure evaluation

File:BD3.WK1

Cm = (Fm)(B)[(FIw)(Cw)(IRw)+(FIf)(Cf)(IRf)+(FIs)(Cs)(IRs)]

where: Cm = Chemical concentration in milk (mg/kg)
Fm = Feed-to-milk transfer coefficient (day/kg)
B = Fraction of contaminant in feed which is bioavailable (unitless)
FIw = Fraction ingested of food (water) from contaminanted source (unitless)
Cw = Chemical concentration in food (water) (mg/L)
IRw = Ingestion rate for food (water) (L/day)
FIf = Fraction ingested of food (feed) from contaminanted source (unitless)
Cf = Chemical concentration in food (feed) (mg/kg)
IRf = Ingestion rate for food (feed) (kg/day)
FIs = Fraction ingested of food (soil) from contaminanted source (unitless)
Cs = Chemical concentration in food (soil) (mg/kg)
IRs = Ingestion rate for food (soil) (kg/day)

Chemical	Fm (day/kg)	B	FIw	Cw (mg/L) Avg	Cw (mg/L) Max	IRw (L/day)	FIf	Cf (mg/kg) Avg	Cf (mg/kg) Max	IRf (kg/day)	FIs	Cs (mg/kg) Avg	Cs (mg/kg) Max	IRs (kg/day)	Cm (mg/kg) Avg	Cm (mg/kg) Max
4,4'-DDD	8.32E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.38E-13	2.32E-13	1.60E+01	1.0	4.90E-11	8.22E-11	6.00E-01	2.63E-13	4.41E-13
4,4'-DDE	3.89E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.25E-12	2.09E-12	1.60E+01	1.0	2.85E-10	4.77E-10	6.00E-01	7.44E-13	1.24E-12
4,4'-DDT	1.82E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	4.34E-13	7.31E-13	1.60E+01	1.0	2.41E-10	4.06E-10	6.00E-01	2.76E-12	4.65E-12
Aluminum	2.00E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.52E-05	2.53E-05	1.60E+01	1.0	1.72E-02	2.88E-02	6.00E-01	2.12E-06	3.54E-06
Arsenic	6.00E-05	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	4.57E-09	7.69E-09	1.60E+01	1.0	5.19E-07	8.74E-07	6.00E-01	2.31E-11	3.88E-11
Benzene	1.07E-06	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	9.79E-09	1.64E-08	6.00E-01	6.29E-15	1.06E-14
Benzo(a)pyrene	2.09E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.93E-13	3.23E-13	1.60E+01	1.0	1.16E-10	1.95E-10	6.00E-01	1.52E-12	2.55E-12
Benzo(b)fluoranthene	3.16E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	3.64E-13	6.12E-13	1.60E+01	1.0	2.78E-10	4.68E-10	6.00E-01	5.46E-12	9.17E-12
Benzo(k)fluoranthene	5.62E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	2.46E-13	4.15E-13	1.60E+01	1.0	2.63E-10	4.43E-10	6.00E-01	9.10E-12	1.53E-11
beta-BHC	5.62E-05	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	8.94E-12	1.50E-11	1.60E+01	1.0	1.76E-10	2.95E-10	6.00E-01	1.40E-14	2.34E-14
Diesel	0.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	1.21E-04	2.03E-04	6.00E-01	0.00E+00	0.00E+00
Fluoranthene	6.31E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.17E-11	1.96E-11	1.60E+01	1.0	9.35E-10	1.57E-09	6.00E-01	4.72E-13	7.91E-13
Heptachlor	2.19E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.03E-12	1.73E-12	1.60E+01	1.0	1.69E-10	2.83E-10	6.00E-01	2.59E-13	4.32E-13
Heptachlor epoxide	2.00E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.96E-13	3.30E-13	1.60E+01	1.0	3.05E-11	5.12E-11	6.00E-01	4.29E-14	7.20E-14
Hydrocarbons	0.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	1.25E-03	2.10E-03	6.00E-01	0.00E+00	0.00E+00
Manganese (food)	3.50E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Manganese (water)	3.50E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.54E-08	2.58E-08	1.60E+01	1.0	2.81E-07	4.70E-07	6.00E-01	1.45E-10	2.43E-10
MCPP	0.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00

Methylene chloride	1.58E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	2.95E-08	4.95E-08	6.00E-01	2.80E-15	4.69E-15
Pyrene	1.20E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	7.78E-12	1.31E-11	1.60E+01	1.0	9.01E-10	1.51E-09	6.00E-01	7.98E-13	1.34E-12
Thallium sulfate	2.00E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.51E-10	2.53E-10	1.60E+01	1.0	1.72E-07	2.88E-07	6.00E-01	2.11E-10	3.54E-10
Toluene	4.90E-06	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	4.92E-08	8.27E-08	6.00E-01	1.45E-13	2.43E-13
Vanadium	2.00E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	3.63E-08	6.10E-08	1.60E+01	1.0	3.00E-05	5.04E-05	6.00E-01	3.72E-08	6.25E-08
Zinc	1.00E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	3.13E-06	5.25E-06	1.60E+01	1.0	4.31E-05	7.23E-05	6.00E-01	7.59E-07	1.27E-06

TABLE M-8. CONCENTRATIONS IN BEEF AS A RESULT OF USING THE SURFACE WATER FOR IRRIGATION AND GROUNDWATER FOR STOCK WATER

Cannon AFB (LF25): For chronic exposure evaluation

$Cb = (Fb)(B)[(FIw)(Cw)(IRw)+(FIf)(Cf)(IRf)+(FIs)(Cs)(IRs)]$

where:
- Cb = Chemical concentration in beef (mg/kg)
- Fb = Feed-to-beef transfer coefficient (day/kg)
- B = Fraction of contaminant in feed which is bioavailable (unitless)
- FIw = Fraction ingested of food (water) from contaminanted source (unitless)
- Cw = Chemical concentration in food (water) (mg/kg)
- IRw = Ingestion rate for food (water) (L/day)
- FIf = Fraction ingested of food (feed) from contaminanted source (unitless)
- Cf = Chemical concentration in food (feed) (mg/kg)
- IRf = Ingestion rate for food (feed) (kg/day)
- FIs = Fraction ingested of food (soil) from contaminanted source (unitless)
- Cs = Chemical concentration in food (soil) (mg/kg)
- IRs = Ingestion rate for food (soil) (kg/day)

Chemical	Fb (day/kg)	B	FIw	Cw (mg/L) Avg	Cw (mg/L) Max	IRw (L/day)	FIf	Cf (mg/kg) Avg	Cf (mg/kg) Max	IRf (kg/day)	FIs	Cs (mg/kg) Avg	Cs (mg/kg) Max	IRs (kg/day)	Cb (mg/kg) Avg	Cb (mg/kg) Max
4,4'-DDD	2.63E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.38E-13	2.32E-13	8.00E+00	1.0	4.90E-11	8.22E-11	6.00E-01	8.02E-13	1.35E-12
4,4'-DDE	1.23E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.25E-12	2.09E-12	8.00E+00	1.0	2.85E-10	4.77E-10	6.00E-01	2.23E-12	3.73E-12
4,4'-DDT	5.75E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	4.34E-13	7.31E-13	8.00E+00	1.0	2.41E-10	4.06E-10	6.00E-01	8.53E-12	1.43E-11
Aluminum	1.50E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.52E-05	2.53E-05	8.00E+00	1.0	1.72E-02	2.88E-02	6.00E-01	1.57E-05	2.62E-05
Arsenic	2.00E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	4.57E-09	7.69E-09	8.00E+00	1.0	5.19E-07	8.74E-07	6.00E-01	6.96E-10	1.17E-09
Benzene	3.39E-06	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	9.79E-09	1.64E-08	6.00E-01	1.99E-14	3.34E-14
Benzo(a)pyrene	6.61E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.93E-13	3.23E-13	8.00E+00	1.0	1.16E-10	1.95E-10	6.00E-01	4.71E-12	7.89E-12
Benzo(b)fluoranthene	1.00E-01	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	3.64E-13	6.12E-13	8.00E+00	1.0	2.78E-10	4.68E-10	6.00E-01	1.70E-11	2.85E-11
Benzo(k)fluoranthene	1.78E-01	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	2.46E-13	4.15E-13	8.00E+00	1.0	2.63E-10	4.43E-10	6.00E-01	2.85E-11	4.79E-11
beta-BHC	1.78E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	8.94E-12	1.50E-11	8.00E+00	1.0	1.76E-10	2.95E-10	6.00E-01	3.16E-14	5.29E-14
Diesel	0.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	1.21E-04	2.03E-04	6.00E-01	0.00E+00	0.00E+00
Fluoranthene	2.00E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.17E-11	1.96E-11	8.00E+00	1.0	9.35E-10	1.57E-09	6.00E-01	1.31E-12	2.19E-12
Heptachlor	6.92E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.03E-12	1.73E-12	8.00E+00	1.0	1.69E-10	2.83E-10	6.00E-01	7.60E-13	1.27E-12
Heptachlor epoxide	6.31E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.96E-13	3.30E-13	8.00E+00	1.0	3.05E-11	5.12E-11	6.00E-01	1.25E-13	2.10E-13
Hydrocarbons	0.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	1.25E-03	2.10E-03	6.00E-01	0.00E+00	0.00E+00
Manganese (food)	4.00E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Manganese (water)	4.00E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.54E-08	2.58E-08	8.00E+00	1.0	2.81E-07	4.70E-07	6.00E-01	1.17E-10	1.96E-10
MCPP	0.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00

Methylene chloride	5.01E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	2.95E-08	4.95E-08	6.00E-01	8.88E-15	1.49E-14
Pyrene	5.01E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	7.78E-12	1.31E-11	8.00E+00	1.0	9.01E-10	1.51E-09	6.00E-01	3.02E-16	5.06E-16
Thallium sulfate	5.01E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.51E-10	2.53E-10	8.00E+00	1.0	1.72E-07	2.88E-07	6.00E-01	5.22E-14	8.76E-14
Toluene	5.01E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	4.92E-08	8.27E-08	6.00E-01	1.48E-14	2.49E-14
Vanadium	5.01E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	3.63E-08	6.10E-08	8.00E+00	1.0	3.00E-05	5.04E-05	6.00E-01	9.17E-12	1.54E-11
Zinc	5.01E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	3.13E-06	5.25E-06	8.00E+00	1.0	4.31E-05	7.23E-05	6.00E-01	2.55E-11	4.28E-11

TABLE M-9. CONCENTRATIONS IN DAIRY PRODUCTS AS A RESULT OF USING THE GROUNDWATER FOR IRRIGATION AND STOCK WATER
CANNON AFB LF25: For chronic exposure evaluation
File:BD2.WK1

Cm = (Fm)(B)[(FIw)(Cw)(IRw)+(FIf)(Cf)(IRf)+(FIs)(Cs)(IRs)]

where: Cm = Chemical concentration in milk (mg/kg)
Fm = Feed-to-milk transfer coefficient (day/kg)
B = Fraction of contaminant in feed which is bioavailable (unitless)
FIw = Fraction ingested of food (water) from contaminanted source (unitless)
Cw = Chemical concentration in food (water) (mg/L)
IRw = Ingestion rate for food (water) (L/day)
FIf = Fraction ingested of food (feed) from contaminanted source (unitless)
Cf = Chemical concentration in food (feed) (mg/kg)
IRf = Ingestion rate for food (feed) (kg/day)
FIs = Fraction ingested of food (soil) from contaminanted source (unitless)
Cs = Chemical concentration in food (soil) (mg/kg)
IRs = Ingestion rate for food (soil) (kg/day)

Chemical	Fm (day/kg)	B	FIw	Cw (mg/L) Avg	Cw (mg/L) Max	IRw (L/day)	FIf	Cf (mg/kg) Avg	Cf (mg/kg) Max	IRf (kg/day)	FIs	Cs (mg/kg) Avg	Cs (mg/kg) Max	IRs (kg/day)	Cm (mg/kg) Avg	Cm (mg/kg) Max
4,4'-DDD	8.32E-03	1.0	1.0	2.76E-20	2.76E-20	1.00E+02	1.0	1.92E-24	1.92E-24	1.60E+01	1.0	6.79E-22	6.79E-22	6.00E-01	2.30E-20	2.30E-20
4,4'-DDE	3.89E-03	1.0	1.0	1.37E-19	1.37E-19	1.00E+02	1.0	1.48E-23	1.48E-23	1.60E+01	1.0	3.37E-21	3.37E-21	6.00E-01	5.33E-20	5.33E-20
4,4'-DDT	1.82E-02	1.0	1.0	1.82E-16	1.82E-16	1.00E+02	1.0	8.07E-21	8.07E-21	1.60E+01	1.0	4.48E-18	4.48E-18	6.00E-01	3.32E-16	3.32E-16
Aluminum	2.00E-04	1.0	1.0	1.36E+03	1.36E+03	1.00E+02	1.0	2.94E-02	2.94E-02	1.60E+01	1.0	3.35E+01	3.35E+01	6.00E-01	2.72E+01	2.72E+01
Arsenic	6.00E-05	1.0	1.0	5.07E-03	5.07E-03	1.00E+02	1.0	1.10E-07	1.10E-07	1.60E+01	1.0	1.25E-04	1.25E-04	6.00E-01	3.04E-05	3.04E-05
Benzene	1.07E-06	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Benzo(a)pyrene	2.09E-02	1.0	1.0	1.09E-08	1.09E-08	1.00E+02	1.0	4.45E-13	4.45E-13	1.60E+01	1.0	2.68E-10	2.68E-10	6.00E-01	2.28E-08	2.28E-08
Benzo(b)fluoranthene	3.16E-02	1.0	1.0	2.31E-33	2.31E-33	1.00E+02	1.0	7.46E-38	7.46E-38	1.60E+01	1.0	5.69E-35	5.69E-35	6.00E-01	7.31E-33	7.31E-33
Benzo(k)fluoranthene	5.62E-02	1.0	1.0	1.81E-85	1.81E-85	1.00E+02	1.0	4.17E-90	4.17E-90	1.60E+01	1.0	4.45E-87	4.45E-87	6.00E-01	1.02E-84	1.02E-84
beta-BHC	5.62E-05	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Diesel	0.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Fluoranthene	6.31E-04	1.0	1.0	9.14E-03	9.14E-03	1.00E+02	1.0	1.55E-28	1.55E-28	1.60E+01	1.0	1.24E-26	1.24E-26	6.00E-01	5.77E-04	5.77E-04
Heptachlor	2.19E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	4.57E-24	4.57E-24	1.60E+01	1.0	7.48E-22	7.48E-22	6.00E-01	1.14E-24	1.14E-24
Heptachlor epoxide	2.00E-03	1.0	1.0	1.77E-39	1.77E-39	1.00E+02	1.0	5.50E-24	5.50E-24	1.60E+01	1.0	8.54E-22	8.54E-22	6.00E-01	1.20E-24	1.20E-24
Hydrocarbons	0.00E+00	1.0	1.0	1.04E-40	1.04E-40	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Manganese (food)	3.50E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Manganese (water)	3.50E-04	1.0	1.0	2.47E-04	2.47E-04	1.00E+02	1.0	1.24E-05	1.24E-05	1.60E+01	1.0	2.25E-04	2.25E-04	6.00E-01	8.76E-06	8.76E-06
MCPP	0.00E+00	1.0	1.0	9.90E-03	9.90E-03	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00

Methylene chloride	1.58E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	4.36E-41	4.36E-41	6.00E-01	4.13E-48	4.13E-48
Pyrene	1.20E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	2.21E-44	2.21E-44	1.60E+01	1.0	2.56E-42	2.56E-42	6.00E-01	2.27E-45	2.27E-45
Thallium sulfate	2.00E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	3.57E-08	3.57E-08	1.60E+01	1.0	4.06E-05	4.06E-05	6.00E-01	4.99E-08	4.99E-08
Toluene	4.90E-06	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	1.60E+01	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Vanadium	2.00E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	7.35E-06	7.35E-06	1.60E+01	1.0	6.08E-03	6.08E-03	6.00E-01	7.53E-06	7.53E-06
Zinc	1.00E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.77E-05	1.77E-05	1.60E+01	1.0	2.44E-04	2.44E-04	6.00E-01	4.29E-06	4.29E-06

TABLE M-10. CONCENTRATIONS IN BEEF AS A RESULT OF USING THE GROUNDWATER FOR IRRIGATION AND STOCK WATER

Cannon AFB (LF25): For chronic exposure evaluation

Cb = (Fb)(B)[(FIw)(Cw)(IRw)+(FIf)(Cf)(IRf)+(FIs)(Cs)(IRs)]

where: Cb = Chemical concentration in beef (mg/kg)

Fb = Feed-to-beef transfer coefficient (day/kg)

B = Fraction of contaminant in feed which is bioavailable (unitless)

FIw = Fraction ingested of food (water) from contaminanted source (unitless)

Cw = Chemical concentration in food (water) (mg/kg)

IRw = Ingestion rate for food (water) (L/day)

FIf = Fraction ingested of food (feed) from contaminanted source (unitless)

Cf = Chemical concentration in food (feed) (mg/kg)

IRf = Ingestion rate for food (feed) (kg/day)

FIs = Fraction ingested of food (soil) from contaminanted source (unitless)

Cs = Chemical concentration in food (soil) (mg/kg)

IRs = Ingestion rate for food (soil) (kg/day)

Chemical	Fb (day/kg)	B	FIw	Cw (mg/L) Avg	Cw (mg/L) Max	IRw (L/day)	FIf	Cf (mg/kg) Avg	Cf (mg/kg) Max	IRf (kg/day)	FIs	Cs (mg/kg) Avg	Cs (mg/kg) Max	IRs (kg/day)	Cb (mg/kg) Avg	Cb (mg/kg) Max
4,4'-DDD	2.63E-02	1.0	1.0	2.76E-20	2.76E-20	1.00E+02	1.0	1.92E-24	1.92E-24	8.00E+00	1.0	6.79E-22	6.79E-22	6.00E-01	7.26E-20	7.26E-20
4,4'-DDE	1.23E-02	1.0	1.0	1.37E-19	1.37E-19	1.00E+02	1.0	1.48E-23	1.48E-23	8.00E+00	1.0	3.37E-21	3.37E-21	6.00E-01	1.69E-19	1.69E-19
4,4'-DDT	5.75E-02	1.0	1.0	1.82E-16	1.82E-16	1.00E+02	1.0	8.07E-21	8.07E-21	8.00E+00	1.0	4.48E-18	4.48E-18	6.00E-01	1.05E-15	1.05E-15
Aluminum	1.50E-03	1.0	1.0	1.36E+03	1.36E+03	1.00E+02	1.0	2.94E-02	2.94E-02	8.00E+00	1.0	3.35E+01	3.35E+01	6.00E-01	2.04E+02	2.04E+02
Arsenic	2.00E-03	1.0	1.0	5.07E-03	5.07E-03	1.00E+02	1.0	1.10E-07	1.10E-07	8.00E+00	1.0	1.25E-04	1.25E-04	6.00E-01	1.01E-03	1.01E-03
Benzene	3.39E-06	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Benzo(a)pyrene	6.61E-02	1.0	1.0	1.09E-08	1.09E-08	1.00E+02	1.0	4.45E-13	4.45E-13	8.00E+00	1.0	2.68E-10	2.68E-10	6.00E-01	7.21E-08	7.21E-08
Benzo(b)fluoranthene	1.00E-01	1.0	1.0	2.31E-33	2.31E-33	1.00E+02	1.0	7.46E-38	7.46E-38	8.00E+00	1.0	5.69E-35	5.69E-35	6.00E-01	2.31E-32	2.31E-32
Benzo(k)fluoranthene	1.78E-01	1.0	1.0	1.81E-85	1.81E-85	1.00E+02	1.0	4.17E-90	4.17E-90	8.00E+00	1.0	4.45E-87	4.45E-87	6.00E-01	3.22E-84	3.22E-84
beta-BHC	1.78E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Diesel	0.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Fluoranthene	2.00E-03	1.0	1.0	9.14E-03	9.14E-03	1.00E+02	1.0	1.55E-28	1.55E-28	8.00E+00	1.0	1.24E-26	1.24E-26	6.00E-01	1.83E-03	1.83E-03
Heptachlor	6.92E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	4.57E-24	4.57E-24	8.00E+00	1.0	7.48E-22	7.48E-22	6.00E-01	3.36E-24	3.36E-24
Heptachlor epoxide	6.31E-03	1.0	1.0	1.77E-39	1.77E-39	1.00E+02	1.0	5.50E-24	5.50E-24	8.00E+00	1.0	8.54E-22	8.54E-22	6.00E-01	3.51E-24	3.51E-24
Hydrocarbons	0.00E+00	1.0	1.0	1.04E-40	1.04E-40	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Manganese (food)	4.00E-04	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Manganese (water)	4.00E-04	1.0	1.0	2.47E-04	2.47E-04	1.00E+02	1.0	1.24E-05	1.24E-05	8.00E+00	1.0	2.25E-04	2.25E-04	6.00E-01	9.97E-06	9.97E-06
MCPP	0.00E+00	1.0	1.0	9.90E-03	9.90E-03	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00

Methylene chloride	5.01E-07	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	4.36E-41	4.36E-41	6.00E-01	1.31E-47	1.31E-47
Pyrene	3.80E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	2.21E-44	2.21E-44	8.00E+00	1.0	2.56E-42	2.56E-42	6.00E-01	6.51E-45	6.51E-45
Thallium sulfate	4.00E-02	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	3.57E-08	3.57E-08	8.00E+00	1.0	4.06E-05	4.06E-05	6.00E-01	9.86E-07	9.86E-07
Toluene	1.00E+00	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	0.00E+00	0.00E+00	8.00E+00	1.0	0.00E+00	0.00E+00	6.00E-01	0.00E+00	0.00E+00
Vanadium	2.50E-03	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	7.35E-06	7.35E-06	8.00E+00	1.0	6.08E-03	6.08E-03	6.00E-01	9.26E-06	9.26E-06
Zinc	1.00E-01	1.0	1.0	0.00E+00	0.00E+00	1.00E+02	1.0	1.77E-05	1.77E-05	8.00E+00	1.0	2.44E-04	2.44E-04	6.00E-01	2.88E-05	2.88E-05

4.0 INDOOR AIR CONCENTRATIONS FOR RESIDENTIAL WATER USE

Use of contaminated water for bathing/showering may contribute to concentrations of volatile chemicals in the indoor air. The method used to estimate concentrations in air while showering is based on results of shower volatilization experiments (Andelman,1986). The experiments involved pumping a tracer chemical (aqueous trichloroethene) solution through an experimental shower chamber and measuring resulting concentrations of the tracer in the air. The experiments revealed the following: 1) the trichloroethene concentration increased in approximately a linear fashion over time; 2) the volatilization was higher at higher water temperatures; and 3) the volatilization rate increased when the height of the shower water drop path increased. The percent volatilization during the experiment ranged from 43 to 79 percent.

A kinetic-mass-balance relationship that predicts air concentrations as a function of time was developed by Andelman et al, 1986. The basic mass balance equation is:

$$V_A(dC_A/dt) = (R) - (F_A C_A) \qquad \text{(H-3-1)}$$

where:

V_A = Chamber volume (m^3);

dC_A/dt = Rate of change in concentration in air ($g/m^3/min$);

R = Mass of chemicals volatilized per unit time (g/min);

F_A = Air flow rate (m^3/min); and

C_A = Concentration of a particular volatile compound in air (g/m^3).

and where:

$$R = k(C_w - C_A/H) \qquad \text{(H-3-2)}$$

where:

C_w = Concentration of a particular volatile compound in water (g/m^3);

H = Henry's Law Constant (dimensionless); and

k = Volatilization transfer coefficient (m^3/min).

Combining equations H-3-1 and H-3-2 and treating k/H as insignificant, the equation reduces to:

$$V_A(dC_A/dt) = (kC_w) - (F_AC_A)$$

Integrating, we get:

$$\text{Ln}\ (1-F_AC_A/kC_w) = -\ (F_A/V_A)t \qquad \text{(H-3-3)}$$

Equation H-3-3 has been used to predict concentrations as a function of time in the shower. The maximum value for k, the volatilization transfer coefficient, is assumed to be equal to F_w (the water flow rate) at 100% volatilization (Andelman et al., 1986). In the absence of experimental data, $k=F_W$ will give the worst-case concentration in the shower at different times.

However, Andelman's work with experimental showers showed that the percent of trichloroethene in water that volatilizes is less than 100%, varying from 43 to 79 percent (Andelman et al., 1986). The k value (at steady state = C_AF_A/C_w) drops significantly from 100% to between 5% and 15% when the percent volatilization drops from 100% to the range of 43-79%. For trichloroethene, therefore, it is conservative to assume a k value that is 50% of the maximum value. Since $k=F_w$ is the maximum value for k, corresponding to 100% theoretical volatilization for trichloroethene, 50% of the water flow rate is a justifiable estimate for k.

Experimental data on percent volatilization in showers are not available for the chemicals of potential concern for this assessment. By considering the relative

volatility of a specific chemical compared to the volatility of trichloroethene, k values can be estimated for the chemicals of potential concern, as follows:

$$k = 0.5\ F_W\ X\ \frac{VP_C}{VP_{TCE}}$$

where: VP_c = Vapor pressure of chemical (mm at 48°C); and

VP_{TCE} = Vapor pressure of trichloroethene (200 mm at 48°C).

This approach is applicable to chemicals with vapor pressures lower than the vapor pressure of trichloroethene, as well as chemicals with vapor pressures higher than the vapor pressure of trichloroethene but less than or equal to 400 mm. For chemicals with vapor pressures higher than 400 mm, use of this equation will provide an estimate for the k value which is higher than the maximum value ($k=F_w$). For these chemicals, $k=F_w$ should be conservatively assumed.

Other assumptions include:

1) Water flow rate = 20 L/min [based on a U.S. Department of Housing and Urban Development survey which found the mean and maximum value for water flow rate in showers to be between 10 L/min and 30 L/min (Andelman, 1989)];

2) Air exchange rate = 1 per hour [a conservative value suggested by Andelman et al., 1989 (Andelman, 1989)];

3) Dimensions of the shower stall = 5.5 x 3 x 8 ft (volume = 3.736 m^3); and

4) Shower duration = 7 minutes for the average shower duration and 15 minutes for the reasonable maximum (EPA, 1989a).

5.0 CHEMICAL INTAKE CALCULATIONS

Intake is defined as exposure normalized for time and body weight and is expressed in units of mg chemical/kg body weight per day (EPA, 1989). Chemical related variables are presented in Section 6.3.5.1 of the report. Tables H-11 through H-17 summarize the assumptions and algorithms used to estimate exposure for each exposure pathway. The following generic formula was used to estimate chemical intakes.

$$I = C \times CR \times EFD/BW \times 1/AT$$

where:

- I = intake; the amount of chemical at the exchange boundary (mg/kg body weight-day);
- C = chemical concentration; the average concentration contacted over the exposure period (e.g., mg/L water);
- CR = contact rate; the amount of contaminated medium contacted per unit time or event (e.g., L/day);
- EFD = exposure frequency and duration; describes how often and how long exposure occurs. Often calculated using two terms (EF and ED):
  - EF = exposure frequency (days/year)
  - ED = exposure duration (years)
- BW = body weight; the average body weight over the exposure period (kg); and
- AT = averaging time; period over which exposure is averaged (days).

Table M-11

Potential Exposure from Inhalation of Ambient Air at Landfill No. 25, Cannon AFB, Clovis, New Mexico (Volatile Chemicals and Fugitive Dust) - Off-Site Residential Scenario

Effective Air Concentration (EAC), $\mu g/m^3$ = (CA x IRA x ET x EF x ED)/(IRD x CF x AT)	Assumptions			
	Chronic (lifetime), off-Base Residential)			
Parameters	Adult Average	Adult Reasonable Maximum	Child Average	Child Reasonable Maximum
CA = Chemical Concentrations in Ambient Air ($\mu g/m^3$)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
IRA = Inhalation Rate of Ambient Air (m^3/hour)	0.833 [b]	0.833	0.7 [c]	1.0 [e]
ET = Exposure Time (hours/day)	24	24	24	24
EF = Exposure Frequency (days/year)	350 [f]	350 [f]	350 [f]	350 [f]
ED = Exposure Duration (years)	9	30	6	6
IRD = Inhalation Rate per Remainder of Day (m^3/hour)	0.833 [i]	1.25 [d]	0.7 [c]	1.0 [e]
CF = Conversion Factor (hour/day)	24	24	24	24
AT = Averaging Time (period over which exposure is averaged--days) - Noncarcinogenic effects - Carcinogenic effects	 3285 [j] 25550 [k]	 10950 [j] 25550 [k]	 2190	 2190

[a] See Table 6-6 in report for concentrations in ambient air.
[b] Adult, moderate activity level; EPA, 1989b.
[c] Child, averaged for ages 8 through 17, moderate activity level; EPA, 1989b.
[d] Adult suggested upperbound, EPA, 1991.
[e] Child upper bound value (24m^3/day); EPA, 1989b.
[f] Days/year spent at home; EPA 1991.
[g] National median time--50th percentile--time at one residence; EPA, 1989b.
[h] National upper bound time--90th percentile--time at one residence; EPA, 1989b.
[i] Occupational adult, 20 m^3 per 8 hour work day represents a reasonable upper bound inhalation rate; EPA, 1991. The adult suggested upper bound for subgroups who would be expected to spend the majority of time at home (EPA, 1991). This value is used for the remaining 22 hours.
[j] ED x 365 days/year.
[k] 70 years x 365 days/year.

Table M-12

Potential Exposure from Inhalation of Ambient Air at Landfill No. 25, Cannon AFB, Clovis, New Mexico (Volatile Chemicals and Fugitive Dust) - Occupational Scenario

Effective Air Concentration (EAC), $\mu g/m^3$ = (CA x IRA x ET x EF x ED)/(IRD x CF x AT)	Assumptions			
	Chronic		Subchronic	
Parameters	Worker Average	Worker Reasonable Maximum	Construction Worker Average	Construction Worker Reasonable Maximum
CA = Chemical Concentrations in Ambient Air ($\mu g/m^3$)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
IRA = Inhalation Rate of Ambient Air (m^3/hour)	2.1 [b]	3.0 [d]	2.1 [b]	3.0 [d]
ET = Exposure Time (hours/day)	2 [f]	8 [e]	2 [f]	8 [c]
EF = Exposure Frequency (days/year)	100 [g]	100 [g]	250 [h]	250 [h]
ED = Exposure Duration (years)	25 [i]	25 [i]	7	7
IRD = Inhalation Rate per Remainder of Day (m^3/hour)	0.833 [j]	0.833 [m]	0.833 [j]	0.833 [m]
CF = Conversion Factor (hour/day)	24	24	24	24
AT = Averaging Time (period over which exposure is averaged--days)				
- Noncarcinogenic effects	9125 [k]	9215 [k]	2555 [k]	2555 [k]
- Carcinogenic effects	25550 [l]	25550 [l]	25550 [l]	25550 [l]

[a] See Table 6-6 in report for concentrations in ambient air.
[b] Adult, moderate activity level; EPA, 1989b.
[c] Child, averaged for ages 8 through 17, moderate activity level; EPA, 1989b.
[d] Adult, reasonable worst-case outdoor inhalation rate; EPA, 1989b.
[e] Assumes workers are on site an average of 8 hours per day.
[f] Assumes workers are on site an average of 2 hours per day.
[g] Assumes a 2 day work week for 50 weeks a year.
[h] Assumes a 5 day work week for 50 weeks a year.
[i] 95th percentile time spent working at the same location; EPA, 1991.
[j] Occupational adult, 20 m^3 per 8 hour work day represents a reasonable upper bound inhalation rate; EPA, 1991. The adult suggested upper bound for subgroups who would be expected to spend the majority of time at home (EPA, 1991). This value is used for the remaining 22 hours.
[k] ED x 365 days/year.
[l] 70 years x 365 days/year.
[m] Adult suggested upperbound, EPA 1991.

Table M-13

Potential Exposure from Ingestion of Fruits and Vegetables Associated with Landfill No. 25 Cannon AFB, Clovis, New Mexico

Intake (mg/kg-day) = Sum(1,2...n)(CFi x IRi x FIi X EF x ED)/(BW x AT)	Assumptions			
	Chronic (lifetime, off-Base residential)			
Parameters	Adult Average	Adult Reasonable Maximum	Child Average	Child Reasonable Maximum
CFi = Chemical Concentration in Food (i) (mg/kg), Fruits and Vegetables	Chemical-specific [a,b]	Chemical-specific [a,b]	Chemical-specific [a,b]	Chemical-specific [a,b]
IRi = Ingestion Rate for Food (i) (kg/day) -Fruits -Vegetables	0.14 [c] 0.20 [c]	0.14 [c] 0.20 [c]	0.14 [c] 0.2 [c]	0.14 [c] 0.20 [c]
FIi = Fraction Ingested of Food (i) from Contaminated Source (unitless) -Fruits -Vegetables	0.20 [d] 0.25 [f]	0.30 [c] 0.40 [g]	0.20 [d] 0.25 [c]	0.30 [e] 0.40 [g]
EF = Exposure Frequency (days/year)	350 [h]	350 [h]	350 [h]	350 [h]
ED = Exposure Duration (years)	9 [i]	30 [j]	6	6
BW = Body Weight (kg)	70 [k]	70 [k]	15 [l]	15 [l]
AT = Averaging Time (period over which exposure is averaged--days) -Noncarcinogenic effects -Carcinogenic effects	3285 [m] 25550 [n]	10950 [m] 25550 [n]	2190	2190

a Calculated based on uptake factors for fruits (Table M-3). See Tables 6-7 and 6-8 for concentration in fruits.

b Calculated based on uptake factors for vegetables (Table M-3). See Tables 6-7 and 6-8 for concentrations in vegetables.

c Average amounts of fruits/vegetables consumed on any one day; EPA, 1991.

d Overall average homegrown fraction for fruits; EPA, 1989b.

e Overall reasonable worst-case homegrown fraction for fruits; EPA, 1991.

f Overall average homegrown fraction for vegetables; EPA, 1989b.

g Overall reasonable worst-case homegrown fraction for vegetables; EPA, 1991.

h Days/year spent at home; EPA, 1991.

i National median time (50th percentile) at one residence; EPA, 1989b.

j National upper bound time (90th percentile) at one residence; EPA, 1989b.

k Adult average; EPA, 1989b.

l Body weight is age-specific, EPA, 1989b.

m ED x 365 days/year.

n 70 years x 365 days/year.

Table M-14

Potential Exposure from Ingestion of Meat and Milk Associated with Landfill No. 25 Cannon AFB, Clovis, New Mexico

Intake (mg/kg-day) = Sum(1,2...n)(CFi x IRi x FIi x EFi x ED)/(BW x AT)	Assumptions			
	Chronic (lifetime, off-Base residential)			
Parameters	Adult Average	Adult Reasonable Maximum	Child Average	Child Reasonable Maximum
CFi = Chemical Concentration in Food (i) (mg/kg), Meat and Milk	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
IRi = Ingestion Rate for Food (i) (kg/day) -Meat -Milk	 0.112 [b] 0.244 [e]	 0.28 [c] 0.488 [f]	 0.056 [d] 0.244 [e]	 0.14 [d] 0.488 [f]
FIi = Fraction Ingested of Food (i) from Contaminated Source (unitless) -Meat -Milk	 0.44 [g] 0.4 [i]	 0.75 [h] 0.75 [h]	 0.44 [g] 0.4 [i]	 0.75 [h] 0.75 [h]
EF = Exposure Frequency (days/year)	350 [j]	350 [j]	350 [j]	350 [j]
ED = Exposure Duration (years)	9 [k]	30 [l]	6	6
BW = Body Weight (kg)	70 [m]	70 [m]	15 [n]	15 [n]
AT = Averaging Time (period over which exposure is averaged--days) -Noncarcinogenic effects -Carcinogenic effects	 3285 [o] 25550 [p]	 10950 [o] 25550 [p]	2190	2190

[a] Calculated based on uptake factors for meat and milk. (See Table M-6.)
[b] Average adult, 50th percentile beef consumption per day; Pao, et al, 1982.
[c] Reasonable maximum adult, 95th percentile beef consumption per day; Pao, et al, 1982.
[d] Ingestion rate of meat and milk is age-specific. One-half adult consumption rates were assumed.
[e] Avrage adult, 50th percentile milk consumption per day; Pao, et al, 1982.
[f] Reasonable maximum, 95th percentile milk consumption per day; Pao, et al, 1982.
[g] Average fraction of homegrown beef consumed annually; USEPA, 1989a.
[h] Suggested reasonable worst-case fraction of homegrown beef and milk consumed annually; USEPA, 1989a.
[i] Average fraction of home-produced milk consumed annually; USEPA, 1989a.
[j] Days/year spent at home; USEPA, 1991.
[k] National median time--50th percentile--time at one residence; USEPA, 1989b.
[l] National upper bound time--90th percentile--time at one residence; USEPA, 1989b.
[m] Adult, average; USEPA, 1989b.
[n] 1 through 6 years old, low body weight, USEPA 1991.
[o] ED x 365 days/year.
[p] 70 years x 365 days/year.

Table M-15

Potential Exposure from Ingestion of Drinking Water Associated with Landfill No. 25, Cannon AFB, Clovis, New Mexico Off-Site Residential Scenario

Intake (mg/kg-day) = (CW x IR x EF x ED)/(BW x AT)	Assumptions			
	Chronic (lifetime, off-Base residential)			
Parameters	Adult Average	Adult Reasonable Maximum	Child Average	Child Reasonable Maximum
CW = Chemical Concentration in Water (mg/liter)	Chemical-specific[a]	Chemical-specific[a]	Chemical-specific[a]	Chemical-specific[a]
IR = Ingestion Rate (liters/day)	1.4[b]	2[c]	1[d]	1[d]
EF = Exposure Frequency (days/year)	350[e]	350[e]	350[e]	350[e]
ED = Exposure Duration (years)	9[f]	30[g]	6	6
BW = Body Weight (kg)	70[b]	70[b]	15[h]	15[h]
AT = Averaging Time (period over which exposure is averaged--days) --Noncarcinogenic effects --Carcinogenic effects	 3285[i] 25550[j]	 10950[i] 25550[j]	2190[i]	2190[i]

a See Table 6-6 for concentrations in groundwater.
b Adult, average; EPA, 1989b.
c Adult, 90th percentile; EPA, 1991.
d Ingestion rate is age-specific; EPA, 1989b.
e Days/year spent at home; EPA, 1991.
f National median time--50th percentile--time at one residence; EPA, 1989b.
g National upper bound time--90th percentile--time at one residence; EPA, 1989b.
h Body weight is age-specific, EPA, 1989b.
i ED x 365 days/year.
j 70 years x 365 days/year.

Table M-16

Potential Exposure from Dermal Contact While Showering with Chemicals Associated with Landfill No. 25 Cannon AFB, Clovis, New Mexico Off-Site Residential Scenario

Absorbed Dose (mg/kg-day) = (CW x SA x PC x ET x EF x ED x CF)/(BW x AT)	Assumptions			
	Chronic (lifetime, off-Base residential)			
Parameters	Adult Average	Adult Reasonable Maximum	Child Average	Child Maximum
CW = Chemical Concentration in Water (mg/liter)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
SA = Skin Surface Area Available for Contact (cm^2)	19400 [b]	19400 [b]	7280 [c]	7280 [c]
PC = Chemical-specific Dermal Permeability Constant (cm/hr)	Chemical-specific	Chemical-specific	Chemical-specific	Chemical-specific
ET = Exposure Time (hours/day)	0.12 [d]	0.25 [e]	0.25 [e]	0.25 [e]
EF = Exposure Frequency (days/year)	350 [e]	350 [f]	350 [f]	350 [f]
ED = Exposure Duration (years)	9 [g]	30 [h]	6	6
CF = Volumetric Conversion Factor for Water (liter/cm^3)	0.001	0.001	0.001	0.001
BW = Body Weight (kg)	70 [i]	70 [i]	15 [j]	15 [j]
AT = Averaging Time (period over which exposure is averaged--days) --Noncarcinogenic effects --Carcinogenic effects	 3285 [k] 25550 [l]	 10950 [k] 25550 [l]	 2190 [k]	 2190 [k]

a See Table 6-6 for concentrations in groundwater.
b 50th percentile total body surface area, adult male; EPA, 1989b.
c 50th percentile total body surface area, 3 through 6 years; EPA, 1989b.
d 50th percentile shower length, Australian study; EPA, 1989b.
e 95th percentile shower length, Australian study; EPA, 1989b.
f 90% of American population take bath/shower every day; EPA, 1989b. Days/year spent at home; EPA, 1991.
g National median time--50th percentile--time at one residence; EPA, 1989b.
h National upper bound time--90th percentile--time at one residence; EPA, 1989b.
i Adult, average; EPA, 1989b.
j Body weight is age-specific; EPA, 1989b.
k ED x 365 days/year.
l 70 years x 365 days/year.

Table M-17

Potential Exposure from Inhalation of Vapor Phase Chemicals While Showering Associated with Landfill No. 25 Cannon AFB, Clovis, New Mexico Off-Site Residential Scenario

Effective Air Concentration (EAC), (ug/m^3) = (CA x IRS x ET x EF X ED)/(IRD X CF X AT)	Assumptions			
	Chronic (lifetime, off-Base residential)			
Parameters	Adult Average	Adult Reasonable Maximum	Child Years Average	Child Reasonable Maximum
CA = Chemical Concentration in Air (ug/m^3)	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]	Chemical-specific [a]
IRS = Inhalation Rate in the Shower (m^3/hour)	0.6 [b]	0.6 [b]	0.6 [b]	0.6 [b]
ET = Exposure Time (hours/day)	0.12 [c]	0.25 [d]	0.25 [d]	0.25 [d]
EF = Exposure Frequency (days/year)	350 [e]	350 [e]	350 [e]	350 [e]
ED = Exposure Duration (years)	9 [f]	30 [g]	6	6
IRD = Inhalation Rate per Remainder of Day (m^3/hour)	0.833 [h]	0.833 [i]	0.67 [j]	1 [k]
CF = Conversion Factor (hour/day)	24	24	24	24
AT = Averaging Time (period over which exposure is averaged--days)				
--Noncarcinogenic effects	3285 [l]	10950 [l]	2190 [l]	2190 [l]
--Carcinogenic effects	25550 [m]	25550 [m]		

[a] Calculated from concentration in tap water.
[b] Inhalation rate while showering (all age groups), EPA, 1989a.
[c] 50th percentile shower length (7 min), Australian study; EPA, 1989b.
[d] 95th percentile shower length (15 min), Australian study; EPA, 1989b.
[e] 90% of American population take bath/shower every day; EPA, 1989b. Days/year spent at home; EPA, 1991.
[f] National median time--50th percentile--time at one residence; EPA, 1989b.
[g] National upper bound time--90th percentile--time at one residence; EPA, 1989b.
[h] Adult, average (20 m^3/day); EPA, 1989b.
[i] Adult suggested upperbound, EPA 1991.
[j] Child average (16 m^3/day); EPA, 1989b.
[k] Child upperbound value (24 m^3/day); EPA, 1989b.
[l] ED x 365 days/year.
[m] 70 years x 365 days/year.

Table M-18

Potential Exposure from Dermal Contact with Chemicals in Contaminated Soil at Landfill No. 25, Cannon AFB, Clovis, New Mexico Occupational Scenario

Intake (mg/kg-day) = (CS x CF x SA x AF x ABS x EF x ED)/(BW x AT)		Assumptions	
		Chronic	
Parameters		Worker Average	Worker Reasonable Maximum
CS =	Chemical Concentration in Soil (mg/kg)	Chemical-specific [a]	Chemical-specific [a]
CF =	Conversion Factor (kg/mg)	1E-06	1E-06
SA =	Skin Surface Area Available for Contact (cm^2/event)	4300 [b]	4300 [b]
AF =	Soil to Skin Adherence Factor (mg/cm^2)	2.77 [c]	2.77 [c]
ABS =	Absorption Factor (unitless)	Chemical-specific [d]	Chemical-specific [d]
EF =	Exposure Frequency (events/year)	100 [e]	250 [f]
ED =	Exposure Duration (years)	2 [g]	2 [g]
BW =	Body Weight (kg)	70 [h]	70 [h]
AT =	Averaging Time (period over which exposure is averaged--days) -Noncarcinogenic effects	730 [i]	730 [i]

a See text and tables for concentrations in soil.
b Occupational, adult male (mean skin surface area for arms, hands, and head); EPA, 1989b.
c Kaolin clay (for hands); EPA, 1989a.
d ABS for cadmium is 0.002 (CAPCOA, 1991). It is recommended that values of 1% for inorganic chemicals and 10% for organic chemicals be used as estimates of dermal absorption from a soil matrix, (Clement, 1988).
e 2 day work week for 50 weeks per year.
f 5 day work week for 50 weeks per year; EPA, 1991.
g Limited duration work activity, EPA 1991.
h Adult, average; EPA, 1989b.
i ED x 365 days/year.

Table M-19

Potential Exposure from Ingestion of Contaminated Soil from Landfill No. 25, Cannon AFB, Clovis, New Mexico Occupational Scenario

Intake (mg/kg-day) = (CS x IR x CF x FI x EF x ED)/(BW x AT)	Assumptions	
	Chronic (occupational)	
Parameters	Worker Average	Worker Reasonable Maximum
CS = Chemical Concentration in Soil (mg/kg)	Chemical-specific [a]	Chemical-specific [a]
IR = Ingestion Rate (mg soil/day)	480 [b]	480 [b]
CF = Conversion Factor (kg/mg)	1E-06	1E-06
FI = Fraction Ingested from contaminated source (unitless)	0.25 [c]	1.0 [d]
EF = Exposure Frequency (days/year)	100 [e]	250 [f]
ED = Exposure Duration (years)	2 [g]	2 [g]
BW = Body Weight (kg)	70 [h]	70 [h]
AT = Averaging Time (period over which exposure is averaged—days) -Noncarcinogenic effects	730 [i]	730 [i]

a See text and tables for concentrations in soil.
b Adult soil ingestion for outdoor yardwork; EPA, 1991.
c Assumes workers are on site two hours per day and that 100% of soil consumption is from contaminated source.
d Assumes workers are on site 8 hours per day and that 100% of soil consumption is from contaminated source.
e 2 day work week for 50 weeks per year.
f 5 day work week for 50 weeks per year; EPA, 1991.
g Limited duration work activity, EPA 1991.
h Adult, average; EPA, 1989b.
i ED x 365 days/year.

APPENDIX N

TOXICITY PROFILES FOR CHEMICALS OF POTENTIAL CONCERN

FOR LANDFILL NO. 25,

CANNON AFB, CLOVIS, NEW MEXICO

Acenaphthene

No information is available from human studies to determine the health effects resulting from exposure to specific levels of acenaphthene although inhalation and dermal exposure to mixtures of polyaromatic hydrocarbons (PAHs) has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Poly-aromatic Hydrocarbons, 1990). The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo[a]pyrene. Short-term exposure of mice to benzo[a]pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo[a]pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

An oral RfD of 6.0E-02 mg/kg-day is listed in IRIS for acenaphthene. This value is based on a subchronic study conducted in mice. Mice were gavaged daily

with 0, 175, 350, or 700 mg/kg-day acenaphthene for 90 days. Results from the study indicated no treatment-related effects on survival, clinical signs, body weight changes, food intake, or ophthalmological alterations. However, dose-related liver weight changes accompanied by microscopic alterations (cellular hypertrophy) were noted in both mid- and high-dose groups. Significant increases in cholesterol levels were observed in high-dose males and mid- and high-dose females. A No Observed Adverse Effect Level (NOAEL) of 175 mg/kg-day and a Lowest Observed Adverse Effect Level (LOAEL) of 350 mg/kg-day were established.

An uncertainty factor of 3000 was applied to account for inter- and intra-species variability (10x each), less than chronic duration of the study (10x), and the lack of adequate data in a second species and reproductive/developmental data (3x). A low confidence rating was given for the RfD because of the lack of supporting chronic toxicity and developmental/reproductive data. HEAST lists a subchronic oral RfD of 6.0E-01 mg/kg-day. Currently there is no data regarding the potential carcinogenicity of acenaphthene.

Acetone

Studies indicate that exposure to less than 2150 ppm acetone for less than 8 hour/day causes no significant toxic effects although transient eye and nose irritation have been reported by some exposed workers (USEPA, 1984). In two occupational exposure studies, workers exposed to acetone vapors at concentrations of 19-920 ppm reported irritation of the mucosal membranes which included conjunctivitis, pharyngitis, inflammatory bronchitis, and gastroduodenitis. Data regarding the teratogenicity of acetone were not located in the literature; however, acetone has been reported to cross the placenta (USEPA, 1984). Data regarding the carcinogenic potential of acetone in humans or laboratory animals were not located in the available literature, but acetone does not demonstrate mutagenic activity in microbial assay systems or in cell transformation systems. Acetone was reported to cause chromosomal aberrations but

not sister chromatic exchange in one study (Kawachi, et. al., 1980), but gave negative results in other assays that tested for chromosomal aberrations, sister chromatid exchange, point mutations, and xiral transfection (USEPA, 1984).

IRIS lists the chronic oral RfD for acetone as 1.0E-01 mg/kg-day while HEAST lists the subchronic oral RfD as 1.0E+00 mg/kg-day. These values were determined from a ninety-day study in albino rats. The experimental groups were orally intubated at 0, 100, 500, or 2500 mg/kg-day. Body weights, food consumption, clinical chemistry, hematology, and histopathology parameters, as well as organ weights and organ-to-body weight ratios, were measured and analyzed. After sacrifice, no effects were seen in the 100 mg/kg-day group. Statistical analysis of the absolute and relative organ weight data revealed significantly increased kidney weights for females in the 500 and 2500 mg/kg-day groups and increased kidney-to-body and brain weight ratios for males and females in the 2500 mg/kg-day groups. Liver weight and liver/body weight ratios were elevated in both sexes for the high dose group. Histopathologic studies revealed a marked increase of severity in tubular degeneration of the kidneys and hyaline droplet accumulation. A dose response was observed.

The NOAEL is set at 100 mg/kg-day and the LOAEL is 500 mg/kg-day due to the increased liver and kidney weights in conjunction with nephrotoxicity found in the above study. An uncertainty factor of 1000 is incorporated in the RfD calculation to account for the uncertainty that exists when extrapolating from each: inter- (10X) and intraspecies (10X), and subchronic to chronic exposure (10X). Confidence in this study is medium since a moderate number of animals was used and an extensive number of clinical parameters were analyzed. However, the overall confidence rating for the acetone RfD is low because of the small number of studies on this compound and the lack of significant supporting data.

Inhalation RfDs and RfCs were not available in IRIS or HEAST. The USEPA has designated acetone as Group D (Not Classifiable as a Human Carcinogen) based on lack of data concerning carcinogenicity in humans or animals.

Aldrin

Exposure to aldrin is limited because it is broken down very rapidly to dieldrin in the environment. No increase in mortality from any cause has been reported in workers who had been employed in the manufacture of aldrin for more than four years. Information regarding the respiratory effects of aldrin in humans is limited and conflicting. One occupational exposure study indicated that exposed workers demonstrated no new pulmonary disease or deterioration of existing pulmonary disease (ATSDR, Toxicological Profile for Aldrin/Dieldrin, 1991) although a similar study reported significantly increased incidences of pneumonia and other pulmonary diseases (ATSDR, Draft Toxicological Profile for Aldrin/Dieldrin, 1991). Central nervous system (CNS) excitation culminating in convulsions was the principal toxic effect noted in occupational studies of workers employed in the manufacture or application of aldrin. Short-term exposure to high levels of aldrin caused convulsions and kidney damage. Long-term exposures to lower levels of aldrin may also cause convulsions as a result of aldrin's potential to accumulate within the body. Long-term exposure to moderate levels of aldrin caused headaches, dizziness, irritability, vomiting, or uncontrollable muscle movements. A condition in which aldrin causes the body to destroy its own blood cells has been noted in some sensitive people.

The carcinogenic and reproductive/developmental effects of aldrin in humans are currently unknown. Experimental studies indicate that animals born to mothers that were fed aldrin did not live long. Conflicting results have been obtained in animal studies with regard to the teratogenic potential of aldrin as well as its effects on reproductive performance. One study revealed detectable levels of dieldrin (a lipid soluble metabolite of aldrin that is toxic and is stored in adipose tissue) in the human

placenta, amniotic fluid, and fetal blood. These results suggest that dieldrin can pass through the human placenta and accumulate in the developing fetus. A limited number of epidemiologic studies examining the incidence of cancer in workers exposed to aldrin or dieldrin exist. No evidence for a carcinogenic effect of aldrin in humans was observed in these studies (ATSDR, Toxicological Profile for Aldrin/Dieldrin, 1991).

IRIS lists the chronic oral RfD for aldrin as 3.0E-05 mg/kg-day. This value was determined from a two year chronic study in rats using aldrin. The experimental groups were orally dosed with 0, 0.5, 2, 10, 50, 100 or 150 ppm (in the diet) for two years. Liver lesions characteristic of chlorinated insecticide poisoning were observed at dose levels of 0.5 ppm and greater. These lesions were characterized by enlarged centrilobular heptic cells, with increased cytoplasmic oxyphilia and peripheral migration of basophilic granules. A statistically significant increase in liver-to-body weight ratio was observed at all dose levels. Kidney lesions occurred at the highest dose levels. Survival was markedly decreased at dose levels of 50 ppm and greater. A LOAEL of 0.5 ppm was established in this study. A NOAEL was not established.

Additional data are fairly supportive of the findings from the critical study. Effect and no-effect levels are similar to those found for rats for liver effects in dogs after 15 months exposure to aldrin in the diet. Liver effects were observed at slightly higher doses in several other subchronic-to-chronic rat and dog studies. Short-term exposure to higher doses resulted in mortality for a number of species.

The uncertainty factor used to derive the RfD for aldrin is 1,000. This factor encompasses the uncertainty of extrapolation from animals to humans, the uncertainty in the range of human sensitivities, and an additional uncertainty because the RfD is based on a LOAEL rather than a NOAEL. The confidence level for the RfD value is medium. The supporting study performed histopathologic analysis but lacked other toxicologic parameters. Confidence in the data base was also medium. There is

no inhalation RfD or RfC for aldrin. HEAST lists the subchronic RfD as 3.0E-05 mg/kg-day.

Human carcinogenicity studies are inadequate but animal carcinogenicity studies are sufficient to classify aldrin as Group B2 - Probable Human Carcinogen. The oral slope factor for aldrin is listed in IRIS as 1.7E+01 $(mg/kg\text{-}day)^{-1}$ and the inhalation unit risk is listed as 4.9E-03 $(\mu g/m^3)^{-1}$. After chronic ingestion of 10 ppm in the diet of mice, a statistically significant increase in hepatomas was observed. Most of these tumors were evaluated to be liver carcinomas. Adequate numbers of animals were treated for a large proportion of their lifetime and the route of treatment was appropriate. HEAST listed an inhalation slope factor of 1.7E+01 $(mg/kg\text{-}day)^{-1}$.

Aluminum

Despite the widespread occurrence of aluminum in food and drinking water, there is little indication that aluminum is toxic by ingestion unless it is in fairly high quantities. Aluminum compounds can affect absorption of other elements in the gastrointestinal tract and alter intestinal function, leading to a variety of complications. Other systemic toxicities can also be caused by exposure to relatively high levels of aluminum. Aluminum compounds are widely used in antiperspirants without harmful effects to the skin or other organs (ATSDR, Toxicological Profile for Aluminum, 1991).

Workers in the aluminum industry were shown to have an increased incidence of asthma, coughing, decreased pulmonary function, pulmonary fibrosis, and several types of cancer. However, aluminum cannot be definitively identified as the causal agent in these studies due to concurrent exposure to other toxic chemicals. In addition, smoking was not considered in the evaluation (ATSDR, Toxicological Profile for Aluminum, 1991).

USEPA has developed neither an oral RfD nor a slope factor for aluminum.

4-Aminobiphenyl

Available data associate 4-aminobiphenyl with a high incidence of bladder cancer in humans and bladder and liver tumors in experimental animals. This compound appears to be one of the most potent known bladder carcinogens. Bladder papillomas and carcinomas have been reported in dogs fed a total of 5.5-7 g (1 mg/kg aminobiphenyl, 5 days/week for life). Salivation, hematuria, loss of body weight, and vomiting have also been noted. Eleven percent of 171 workers in a plant manufacturing 4-aminobiphenyl developed bladder tumors. The tumors developed 5-19 years after initial exposure, which ranged in duration from 1.25 to 10 years. In a report of 503 workers exposed to 4-aminobiphenyl, 35 histologically confirmed bladder carcinomas and an additional 24 workers with positive cytology were identified. 4-aminobiphenyl is listed by OSHA as a cancer producing agent (ACGIH Documentation for 4-Aminodiphenyl, 1991).

USEPA has developed neither an oral RfD nor a cancer slope factor for 4-aminobiphenyl.

Anthracene

No information is available from human studies to determine the health effects resulting from exposure to specific levels of anthracene although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been

estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo[a]pyrene. Short-term exposure of mice to benzo[a]pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1989). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo[a]pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

An oral RfD of 3.0E-01 mg/kg-day is listed in IRIS for anthracene. This value is based on a subchronic toxicity conducted in mice. Anthracene was administered by oral gavage at doses of 0, 250, 500, and 1000 mg/kg-day for at least 90 days. No treatment-related effects were noted in mortality, clinical signs, body weights, food consumption, ophthalmologic findings, hematology or clinical chemistry, organ weights or organ-to-body weight ratios, gross pathology, or histopathology. Therefore, the highest dose tested (1000 mg/kg-day) was established as a NOAEL.

An uncertainty factor of 3000 was applied to account for interspecies extrapolation (10x), intraspecies variability (10x), use of subchronic study for chronic RfD derivation (10x), and lack of reproductive/developmental data and adequate toxicity data

in a second species (3x). A confidence rating in the RfD of low reflects the lack of adequate toxicity data in a second species and developmental/reproductive studies. Failure to identify a LOAEL precludes a higher level of confidence. HEAST lists a subchronic RfD of 3.0E+00 mg/kg-day for anthracene.

USEPA classifies anthracene as Group D -- Not Classifiable as to Human Carcinogenicity. This classification is based on the lack of human and inadequate data from animal bioassays. Tests for DNA damage and gene mutations in prokaryotes have generally shown negative results. Therefore, USEPA has not published a slope factor for anthracene.

Arsenic

Large oral doses (above 60,000 ppb in food or water) of inorganic arsenic can produce death in humans. Lower levels of inorganic arsenic (300-30,000 ppb in food or water) may result in irritation of the stomach and intestines, with symptoms such as pain, nausea, vomiting, and diarrhea if swallowed. Other effects associated with ingestion of arsenic include decreased production of red and white blood cells, abnormal heart function, blood-vessel damage, and impaired nerve function causing a "pins and needles" sensation in the hands and feet. Studies in experimental animals indicate that doses of arsenic that are large enough to cause illness in pregnant females, may cause low birth weight, fetal malformations, or death of the fetus. However, there is no evidence available that suggests that arsenic is teratogenic or fetotoxic (ATSDR, Toxicological Profile for Arsenic, 1992).

Long-term oral exposure to inorganic arsenic often results in changes in the skin. The pattern of skin changes associated with arsenic exposure includes darkening of the skin and the appearance of "corns" or "warts" on the palms, soles, and torso. These skin changes are not considered to be a health concern. However, a small number of the corns may ultimately develop into skin cancer. Ingestion of arsenic has also been

reported to increase the risk of cancer in the liver, bladder, kidney, and lung (ATSDR, Toxicological Profile for Arsenic, 1992).

Inhalation of high levels of arsenic usually results in sore throat and irritated lungs. Changes in skin patterns may also be experienced. The level at which these effects are likely to occur in humans is uncertain, but is probably above 100 $\mu g/m^3$. These effects usually are not serious, but inhaled inorganic arsenic has been reported to increase the risk of lung cancer. However, this has been observed primarily in people exposed to arsenic in or around smelters (ATSDR, Toxicological Profile for Arsenic, 1992).

The oral RfD for arsenic is listed in IRIS as 3.0E-04 mg/kg-day. The subchronic oral RfD for arsenic is listed in HEAST as 3.0E-04 mg/kg-day. This value is supported by two studies using human populations exposed to arsenic in well water. The low dose group received 5-7 $\mu g/L$ and the high dose group received 410 $\mu g/L$ in well water. Exposure estimates are: high dose - 410 $\mu g/L$ x 3 L/day x (1/55 kg) = 22 $\mu g/kg$-day; low dose - 5-7 $\mu g/L$ x 3 L/day x (1/55 kg) = 0.3 - 0.4 $\mu g/kg$-day. The incidences of blackfoot disease, hyperpigmentation and keratosis increased with dose and age. It was stated that exposure times were directly related to chronological age in 75% of the cases. This study reported the NOAEL (No Observed Adverse Effect Level) as 8.0E-04 mg/kg-day and the LOAEL as 1.4E-02 mg/kg-day. The critical effect was hyperpigmentation, keratosis and possible vascular complications.

The uncertainty factor used to derive for the oral RfD was 3. This factor accounts for both the lack of data and information regarding sensitive individuals. The confidence level is medium. An extremely large number of people (>40,000) were used in the assessment, but doses were not well characterized and other contaminants were present. The supporting human toxicity data base is extensive but somewhat flawed. The data base does support the choice of NOAEL, hence the confidence rating of medium. No inhalation RfD or RfC values are listed in IRIS or HEAST.

Arsenic is classified as Group A -- Human Carcinogen. This classification is based on the results of several epidemiologic studies in which increases in lung cancer mortality were observed among workers exposed to arsenic primarily through inhalation in the work place and on reports of increased skin cancer incidence in several populations consuming drinking water with high arsenic concentrations. The inhalation unit risk is listed in IRIS as 4.3E-03 $(\mu g/m^3)^{-1}$. The inhalation slope factor is listed in HEAST as 5.0E+01. A large population was observed and the exposure assessment included air measurements for the Anaconda smelter and both air measurements and urinary arsenic for the ASARCO smelter. Observed lung cancer incidence was significantly increased over expected values. The available evidence does not currently support the inference that arsenic is carcinogenic by the oral route of exposure (ATSDR, Toxicological Profile for Arsenic, 1992).

Benzene

Most people are exposed to a small amount of benzene on a daily basis. The major sources of benzene exposure are gasoline, automobile exhaust, industrial emissions, and tobacco smoke. Brief exposure (5-10 min) to very high levels of benzene in air (10,000-20,000 ppm) can result in death. Exposure to lower levels (700-3,000 ppm) may cause drowsiness, dizziness, headaches, and unconsciousness. These effects usually disappear once exposure is interrupted. Ingestion of foods or beverages containing high levels of benzene may result in vomiting, dizziness, convulsions, and death. Human health effects associated with ingestion of lower levels of benzene are currently unknown. Dermal contact with benzene may cause redness or blisters (ATSDR, Toxicological Profile for Benzene, 1992).

The majority of information on the effect of long-term exposure to benzene is from studies involving occupational exposure of employees to ambient levels of benzene far greater than the levels normally encountered by the general population. Inhalation of benzene for long periods of time may cause adverse effects in the tissues

that form blood cells, especially the bone marrow. This may result in a decrease in production of important blood components, leading to anemia or excessive bleeding. Blood production may return to normal upon disruption of exposure. Benzene exposure can be harmful to the immune system, enhancing the probability of infection and perhaps lowering the body's defense against tumors. Long-term exposure to benzene in the air causes leukemia and has been associated with genetic changes (ATSDR, Toxicological Profile for Benzene, 1992).

Long-term exposure to benzene may also damage the reproductive organs. Some female workers who breathed high levels of benzene for many months experienced irregular menstrual cycles. Upon examination of these women, decreased ovary size was revealed. However, exposure levels were not documented and it was not proven that benzene was responsible for the effects. Currently it is not known what effects benzene exposure has on the developing fetus in pregnant women. Studies in which pregnant laboratory animals were exposed to benzene resulted in low birth weights, delayed bone formation, and bone marrow damage (ATSDR, Toxicological Profile for Benzene, 1992).

Human health effects associated with long-term exposure to food and water contaminated with benzene are not known. Animal studies indicate that oral exposure can damage the blood and immune system. Oral exposure of experimental animals to benzene has also been linked to cancer (ATSDR, Toxicological Profile for Benzene, 1992).

No oral RfD, inhalation RfD or inhalation RfC has been established.

USEPA classifies benzene as Group A - Human Carcinogen. This classification is based on numerous epidemiologic studies which demonstrated an increased incidence or causal relationship between leukemia and occupational exposure to benzene. Supporting data include an increased incidence of neoplasia in rats and mice exposed by inhalation and gavage and an increase in chromosomal aberrations of bone

marrow cells and peripheral lymphocytes from occupational exposure. An oral slope factor of 2.9E-02 $(mg/kg/day)^{-1}$ and an inhalation unit risk of 8.3E-06 $(\mu g/m3)^{-1}$ has been derived from human data for inhalation exposure.

Benzo(a)Anthracene

No information is available about specific levels of benzo(a)anthracene (B(a)A) that result in harmful effects in humans after inhalation, oral, or dermal exposure. Two studies exist which indicate that B(a)A, when administered to animals by gavage, results in the development of stomach tumors. While these studies were flawed and inadequate for the development of significant human exposure levels, they do provide tentative evidence for the oral carcinogenicity of B(a)A. B(a)A has been shown to suppress the sebaceous glands in mouse skin following topical application. However, these studies failed to employ controls and, therefore, definitive conclusions concerning the dermal toxicity of B(a)A cannot be made (ATSDR, Toxicological Profile for Benzo(a)Anthracene, 1990).

It has been demonstrated experimentally that B(a)A induces skin tumors in mice receiving 0.34 mg/kg and larger when applied to the skin for 50 weeks. No information linking human exposure to B(a)A and cancer is available. However, reports of exposure to mixtures of PAHs containing B(a)A and the induction of cancer in humans provides some support for the potential carcinogenicity of this compound.

USEPA has not developed an oral RfD for B(a)A. USEPA has listed B(a)A as a Group B2 -- Probable Human Carcinogen. USEPA has not published a slope factor for B(a)A at this time. A slope factor of 1.06E+00 $(mg/kg\text{-}day)^{-1}$ was calculated by multiplying the slope factor for benzo(a)pyrene by the relative potency factor of 0.145 for B(a)A (USEPA, 1988).

Benzo(a)Pyrene

No information is available in the current literature concerning the levels of benzo(a)pyrene (B(a)P) which cause harmful effects in humans following inhalation, ingestion, or dermal exposure. Short- and long-term exposures to B(a)P (120 mg/kg-day for up to 6 months) caused death when ingested by animals. Deaths appeared to be due to bone marrow suppression. Offspring of animals fed 10 mg B(a)P (or higher) during pregnancy had lower than normal birth weights and developmental/reproductive aberrations (alterations in gonadal development; decreased fertility; increased incidence of sterility). Reports on the effects of B(a)P following short-term dermal exposures in animals and intermediate exposures in humans suggest that B(a)P has deleterious effects on the skin. However, the studies failed to employ control groups and, therefore, conclusions about the dermal toxicity of B(a)P currently cannot be made (ATSDR, Toxicological Profile for Benzo(a)Pyrene, 1990).

The induction of cancer appears to be the key end point of toxicity following intermediate and long-term exposure to B(a)P by inhalation, ingestion, and dermal exposure since lower doses are required to induce tumors than other end points of toxicity. Experimental studies have demonstrated the ability of B(a)P to induce respiratory tract tumors in hamsters following life-time exposure to B(a)P as an aerosol at concentrations above 9.5 mg/m^3. Mice receiving B(a)P in the diet for 110 days (5.2 mg/kg-day) developed excess forestomach tumors. Long-term dermal exposure (1 μg/day) studies in experimental animals have demonstrated the ability of B(a)P to induce skin tumors. No information correlating inhalation or dermal exposure of humans to B(a)P and cancer is available, although reports of lung and skin tumors in individuals exposed to mixtures of PAHs containing B(a)P lend some support for its' carcinogenic potential. B(a)P has been shown to have potent mutagenic activity in a variety of *in vivo* and *in vitro* assays.

USEPA has not developed an RfD for B(a)P. USEPA has classified B(a)P as Group B2 -- Probable Human Carcinogen. IRIS lists an oral slope factor for B(a)P as 7.30E+00 $(mg/kg\text{-}day)^{-1}$. Human data specifically linking B(a)P to a carcinogenic effect are lacking. However, there are numerous animal studies in many species that indicate that B(a)P is carcinogenic following administration by several routes.

Benzo(b)Fluoranthene

No information is available in the current literature concerning the levels of benzo(b)fluoranthene [(B(b)F)] which cause harmful effects in humans following inhalation, ingestion, or dermal exposure although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo[a]pyrene. Short-term exposure of mice to benzo[a]pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1989). It should be recognized that uncertainties are

associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

No information was available on the effects of B(b)F in laboratory animals following exposure by inhalation, although B(b)F elicits respiratory tract tumors in rats following intratracheal instillation. B(b)F is carcinogenic following intermediate dermal exposure. Mice receiving 2.9 mg/kg and larger, three times weekly (equivalent to an average daily dose of 1.2 mg/kg-day) developed an excess of malignant skin tumors when B(b)F was applied to the skin for up to one year. No information correlating inhalation or dermal exposure to B(b)F and cancer induction in humans is available but reports of cancer among individuals exposed to mixtures of PAHs containing B(b)F by inhalation or dermally provide qualitative support for the carcinogenicity of this compound.

USEPA has not developed an RfD for B(b)F. USEPA has listed B(b)F as a Group B2 -- Probable Human Carcinogen. While there are no human data that specifically link exposure to B(b)F with cancer, it is a component of mixtures that are associated with human cancer. Supporting data include the production of tumors in mice after lung implantation, intraperitoneal or subcutaneous injection and skin painting with B(b)F. USEPA has not published a slope factor for B(b)F at this time. An oral slope factor of 1.02E+00 $(mg/kg\text{-}day)^{-1}$ was calculated by multiplying the slope factor for benzo(a)pyrene by the relative potency factor of 0.140 for B(b)F (USEPA, 1988).

Benzo(g,h,i)Perylene

No information is available in the current literature concerning the levels of benzo(g,h,i)perylene (B(g,h,i)P) which cause harmful effects in humans although inhalation and dermal exposure to mixtures of PAHs has been associated with the

development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to benzo(a)pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

USEPA has not developed an oral RfD for B(g,h,i)P. USEPA classifies B(g,h,i)P as Group D -- Not Classifiable as to Human Carcinogenicity. This classification is based on a lack of human data and inadequate animal data from lung implant, skin-painting and subcutaneous injection bioassays. B(g,h,i)P produced positive results in tests for reverse mutation in three strains of *Salmonella typhimurim* and for

forward mutation in one strain. A test for DNA damage in Chinese hamster ovary cells also yielded positive results. Classification of a chemical in weight-of-evidence Group D precludes quantitative toxicity assessment and, therefore, no slope factor is available for B(g,h,i)P.

Benzo(k)Fluoranthene

No information is available in the current literature concerning the levels of benzo(k)fluoranthene (B(k)F) which cause harmful effects in humans although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to benzo(a)pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were

based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

USEPA has not developed an oral RfD for B(k)F. USEPA has listed benzo(k)fluoranthene as a Group B2 -- Probable Human Carcinogen. USEPA has not published a slope factor for B(k)F at this time. A slope factor of 4.82E-01 $(mg/kg\text{-}day)^{-1}$ was calculated by multiplying the slope factor for benzo(a)pyrene by the relative potency factor of 0.066 for B(k)F (USEPA, 1988).

BHC (Beta, Delta, Gamma)

People generally are not exposed to the beta and delta forms of benzene hexachloride (BHC) separately but to lindane (gamma-BHC) or to technical-grade BHC (a mixture of the alpha, beta, and delta forms). Therefore, the health effects of the BHC isomers are considered jointly. The adverse health effects of lindane and the other BHC isomers (alpha, beta, and delta) that have been seen in humans include lung irritation, heart disorders, blood disorders, headache, convulsions, and alterations in levels of sex hormones. These effects were observed in individuals exposed to BHC vapors during its manufacture and/or in individuals accidentally exposed to very large quantities of BHC. Death can result in humans and animals exposed to large amounts of BHC. Liver disease has been reported in animals fed lindane or alpha, beta, or technical-grade BHC. Liver cancer has been reported in rodents which received long-term administration of these compounds (ATSDR Toxicological Profile for α,ß,γ, and δ-Hexachlorocyclohexane, 1989).

Beta-BHC--There are no oral or inhalation RfD or RfC values listed in IRIS or HEAST for beta-BHC. Beta-BHC is listed as Class C - Possible Human Carcinogen. This classification is supported by an increase in benign liver tumors when

mice were exposed to beta-BHC in the diet. The oral slope factor is listed in IRIS as 1.8E+00 $(mg/kg/day)^{-1}$ and the inhalation slope factor is listed in HEAST as 1.8E+00 $(mg/kg\text{-}day)^{-1}$. IRIS lists an inhalation unit risk of 5.3E-04 $(\mu g/m^3)^{-1}$.

Delta-BHC--Neither a RfD nor a slope factor is given for delta-BHC in IRIS or HEAST. It is classified as Group D - Not Classifiable as to Human Carcinogenicity.

Gamma-BHC (Lindane)--The oral RfD for gamma-BHC is listed in IRIS as 3.0E-04 mg/kg-day. This value is supported by a 12 week study which dosed rats with 0, 0.2, 0.8, 4, 20, or 100 ppm gamma-BHC in the diet. After 12 weeks, 15 animals/sex/group were sacrificed. The remaining rats were fed the control diet for an additional six weeks before sacrifice. Treatment-related effects were noted in mortality, hematology, clinical chemistry, and urinalysis. Rats receiving 20 and 100 ppm gamma-BHC were observed to have greater-than-control incidence of the following: liver hypertrophy, kidney tubular degeneration, hyaline droplets, tubular distension, interstitial nephritis, and basophilic tubules. Because these effects were mild or rare in animals receiving 4 ppm, this value represents a NOAEL. The reviewers of the study calculated the dose to be 0.29 mg/kg/day for males and 0.33 mg/kg/day for females based on measured food intake. A LOAEL of 20 ppm (converted to 1.55 mg/kg-day for males) was also established.

An uncertainty factor of 1,000 was used to determine the RfD for gamma-BHC. A factor of 10 each was employed for use of a subchronic (versus chronic) assay, to account for interspecies variation and to protect sensitive human subpopulations. A confidence rating of medium is associated with the RfD for gamma-BHC. This rating reflects that the principal study used an adequate number of animals and measured multiple endpoints. There are no inhalation RfD or RfC values currently available. However, a risk assessment for development of an inhalation RfD is under review for this agent. HEAST listed the subchronic RfD as 3.0E-03 mg/kg-day.

Gamma-BHC is classified as a Group B2/C - Carcinogen. HEAST lists the oral slope factor as 1.3E+00 $(mg/kg\text{-}day)^{-1}$. No inhalation unit risk was given.

Butylbenzylphthalate

Butylbenzylphthalate (BBP) is relatively nontoxic by the oral route. It has been shown to cause skin irritation when applied topically to rabbits. This sensitization and irritation reaction has also been observed in a dermal toxicity study on human volunteers. Butylbenzylphthalate does appear to have some weak carcinogenic activity in rodents (Woodward, 1988). This conclusion is based on a NTP bioassay in which male and female rats were given diets containing BBP at levels of 0.6% and 1.2% for 2 years. Mean body weights were generally lower than the controls and, at termination, the most significant finding was an increased incidence of mononuclear cell leukemia. No human studies are available to adequately classify BBP as a carcinogen.

IRIS lists the chronic oral RfD for BBP as 2.0E-01 mg/kg-day and HEAST lists the subchronic oral RfD as 2.0E+00 mg/kg-day. These values are based on a 26-week study in rats in which 0.0-1417.0 mg/kg-day of BBP was administered in the diet. There were no deaths attributed to BBP toxicity. Groups receiving 159 mg/kg-day and below that showed no evidence of abnormal organ morphology. The high dose group exhibited testicular lesions, significantly decreased heart, kidney, lung, seminal vesicle and testes weights, increased liver weight and reduced hematocrit values. A value of 1000 was used for uncertainty to account for inter- and intra- species variation and for extrapolating from a subchronic to a chronic NOAEL. Confidence in the RfD is low due to inadequate supporting data. No inhalation RfCs are available.

Butylbenzylphthalate is a Group C Carcinogen -- Possible Human Carcinogen based on the NTP carcinogenicity study discussed above. However, cancer slope factors are not available at this time and it is not known if they will become available in the future.

Carbon Disulfide

Very high levels of carbon disulfide (CS_2) in the air (10,000 ppm) may be life-threatening due to effects on the nervous system or heart. There is no evidence that CS_2 causes cancer in humans or animals. Exposure of pregnant rats to high doses of CS_2 resulted in increased numbers of birth defects. However, there is no evidence that women exposed to lower doses (4 ppm) of CS_2 found in the workplace (or those married to exposed males) give birth to children with increased numbers of birth defects (ATSDR, Draft Toxicological Profile for Carbon Disulfide, 1991).

There is no information on the human health effects that result from consumption of food or water contaminated with CS_2. Mice administered 300 mg/kg CS_2 in the diet or water for 1-14 days showed no effects on the liver. Workers that handled fibers made with CS_2 for more than two weeks developed blisters on their fingers. When 714 ppm CS_2 was put on the ears of rabbits (less than 15 days), they developed blisters and ulceration on the treated areas (ATSDR, Draft Toxicological Profile for Carbon Disulfide, 1991).

IRIS lists an oral RfD of 1.0E-01 mg/kg/day for carbon disulfide, however, this value may change in the near future pending the outcome of further review now being conducted by the Oral RfD Work Group. This value was based primarily on the results from an inhalation study in which teratogenic endpoints were examined. Rats and rabbits were exposed to 20 ppm or 62.3 mg/m^3 (recommended occupational exposure limit) and 40 ppm or 124.6 mg/m^3 of CS_2 during the entire length of the pregnancy and also 34 weeks before breeding to simulate occupational exposure. No effects on fetal development were observed in rats or rabbits following inhalation exposure to 62.3 mg/m^3 or 124.6 mg/m^3 (equivalent oral dosages of 5 and 10 mg/kg for rats and 11 and 22 mg/kg in rabbits). A NOAEL (No Observed Adverse Effect Level) was established at 20 ppm (62.3 mg/m^3) converted to 11 mg/kg/day.

An uncertainty factor of 100 was used to account for inter- and intraspecies variability to the toxicity of this chemical (10x each). A confidence rating of medium was given for the oral RfD due to the lack of additional oral chronic toxicity and reproductive studies. HEAST also lists a chronic inhalation RfC of 1.0E-02 mg/m^3.

Carbon disulfide is classified as Group D - Not Classifiable as to Carcinogenicity. Classification of a chemical in weight-of-evidence Group D precludes quantitative toxicity assessment. Therefore, there is no slope factor at this time.

Chlordane

In a retrospective mortality study of workers employed in the manufacture of chlordane and heptachlor, no increased incidence of cancer was found but a statistically significant excess of deaths from cerebrovascular disease was noted (Murphy, 1986). Experimentally, chronic doses of chlordane cause hyperexcitability and tremors (Norton, 1986). Chlordane has been reported to affect both male and female reproductive capacity (Dixon, 1986). Animal studies indicate that chlordane is extremely irritating to the eyes but produces only mild irritation to the skin of rabbits when exposed percutaneously to greater than 200 but less than 2000 mg/kg. The US National Academy of Sciences has ruled that it is carcinogenic to certain strains of mice but there is evidence that it may act as a promoter rather than as an initiator of carcinogenesis (Worthing, 1983). Promoters of carcinogenesis enhance cancer development following exposure to known carcinogens but are not considered sufficient to produce cancer in the absence of an initiating exposure (Williams and Weisburger, 1991).

The RfD for chlordane is listed in IRIS as 6E-05 mg/kg/day. This is based on a chronic rat study using doses of 0, 1, 5, and 25 ppm chlordane in the diet. Clinical laboratory studies were performed and organ weights measured on eight animals/sex/group at 26 and 52 weeks, and on all survivors at 130 weeks. Gross and microscopic pathology were performed on all tissues. Daily dose levels of 0.045, 0.229,

and 1.175 mg/kg/day for males and 0.055, 0.273, and 1.409 mg/kg/day for females for the 1, 5, and 25 ppm treatment groups, respectively, were derived from food consumption and body weight data. It was concluded that liver hypertrophy occurred in female rats at 5 ppm, which was considered the lowest effect level. A NOAEL of 1 ppm was established.

The uncertainty factor used to derive the RfD is 1000. A factor of 100 was used to account for the inter- and intraspecies differences (10x each). A factor of 10 was used to account for a lack of a second mammalian species and an insufficiently sensitive endpoint. These uncertainties resulted in a low confidence level. There are no values for the inhalation RfD or RfC at this time.

Chlordane is a Group B2 - Probable Human Carcinogen. This classification is based on the development of benign and malignant liver tumors in four strains of mice (both sexes) and in F344 male rats. This compound is also structurally related to other liver carcinogens. Human carcinogenicity data were inadequate. The oral slope factor is listed in IRIS as 1.3E+0 $(mg/kg/day)^{-1}$. The liver tumors were induced in mice of both sexes in two studies, an adequate number of animals was observed and dose response effects were reported. The inhalation unit risk is listed as 3.7E-04 $(\mu g/m^3)^{-1}$.

Chrysene

No information is available in the current literature concerning the level of chrysene (if any) that results in harmful effects in humans following inhalation, ingestion, or dermal exposure although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available.

Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to benzo(a)pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. However, based on the electron density associated with the molecule, chrysene would be expected to behave in a manner similar to B[a]P with respect to metabolism. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

Experimental data indicates that skin cancer develops in mice exposed dermally. No information is available regarding short-term dermal exposure of animals to chrysene but chrysene is carcinogenic in mice following life-time dermal exposure. Information correlating human dermal exposure to chrysene and the induction of cancer is currently unavailable. However, reports of skin tumors among individuals exposed to mixtures of PAHs, including chrysene, does provide some support for chrysene's carcinogenic potential.

USEPA has not developed an oral RfD for chrysene.

USEPA has listed chrysene as a Group B2 -- Probable Human Carcinogen. USEPA has not published a slope factor for chrysene at this time. A slope factor of 3.21E-02 $(mg/kg\text{-}day)^{-1}$ was calculated by multiplying the slope factor for benzo(a)pyrene by the relative potency factor of 0.0044 for chrysene (USEPA, 1991).

2,4-D

2,4-Dichlorophenoxyacetic acid (2,4-D) is a defoliant and a major component of Agent Orange. Studies in laboratory animals suggest that conjugates of 2,4-D induce allergic antibody production in mice following intraperitoneal exposure (Dean and Murray, 1991).

An oral RfD of 1.0E-02 mg/kg-day was listed in IRIS for 2,4-D. This value was based on a 90-day oral bioassay and a 1-year Interim Report from a 2-year oral bioassay conducted in rats. 2,4-D (97% pure) was added to lab chow and rats were fed doses calculated to be 0, 1, 5, 15, or 45 mg/kg-day for 91 days. The critical effects noted in the study were significantly reduced hemoglobin levels, hematocrit values, red blood cells, and reticulocyte levels (males only) at the 5 mg/kg-day dose. One and 5 mg/kg-day were established as the NOAEL and LOAEL, respectively. Statistically significant reductions in liver enzymes, LDH (lactate dehydrogenase), SGOT (serum glutamate oxylate transaminase), SGPT (serum glutamate pyruvate transaminase), and alkaline phosphatase were observed at week 14 in animals treated with 15 mg/kg-day. Histopathologic examinations of the kidney indicated cortical and subcortical pathology. Statistically significant increases in kidney weight (absolute and relative) at 15 mg/kg-day and higher were also noted at the end of the treatment protocol.

In the second part of the study, mice were fed lab chow mixed with 2,4-D and received doses calculated to be 0, 5, 15, 45, or 90 mg/kg-day for 91 days. Increased

weight of the adrenals in females (5 mg/kg-day) was the only adverse effect noted. Chronic toxicity and reproduction studies indicate that 2,4-D causes no adverse effects at doses up to 500 ppm in dogs (14.5 mg/kg-day), 1,250 ppm in rats (62.5 mg/kg-day), or at levels of 1,000 ppm in drinking water (50-100 mg/kg-day) in pregnant rats or their offspring. An uncertainty factor of 100 was used in derivation of the RfD to account for both interspecies and interhuman variability in lieu of specific data. A confidence rating in the RfD of medium reflects that a moderate number of animals of each sex was used, multiple doses were given, and a number of parameters were examined. Several studies support both the observation of critical toxic effects and the levels at which they occur. HEAST lists a subchronic oral RfD of 1.0E-02 mg/kg-day.

USEPA has not classified 2,4-D as to its carcinogenic potential.

2,4-DB

The oral RfD for 2,4-(dichlorophenoxy) butyric acid (2,4-DB) is listed in IRIS as 8E-03 mg/kg/day. This value is based on a subchronic (90 day) oral study which dosed male and female dogs with 0, 2.5, 8.0, 25 or 80 mg/kg/day. The two highest doses resulted in death, hemorrhage throughout the body, and aspermatogenesis within 3-9 weeks of treatment. The uncertainty factor is 1000, which adjusts for intraspecies (10), i-nterspecies (10) variability, and extrapolation of a subchronic effect level to a chronic level (10). The confidence level is low because of lacking data in the critical study and in the database.

USEPA has not evaluated 2,4-DB for carcinogenicity.

4,4'-DDD, 4,4'-DDE and 4,4'-DDT

Typically, people are not exposed to 4,4'-DDT, -DDD, or -DDE individually, but rather to a mixture of all three, since 4,4'-DDE and 4,4'-DDD are

contaminants of and degradation and metabolic products of 4,4'-DDT. Therefore, the toxicities of DDT, DDE, and DDD should be considered jointly. The human and animal health effects that result from inhalation of 4,4'-DDT, -DDE, or -DDD are currently unknown. The health effects resulting from human exposure to 4,4'-DDT, -DDE, or -DDD in water are also unknown at this time. However, single human exposures to 4,4'-DDT, -DDE, or -DDD in food at doses of 214-571 ppm have resulted in headache, nausea, vomiting, increased heart rate, and convulsions. Long-term human exposures (18 months) to lower doses (22 ppm) of the three compounds in food caused no adverse health effects (ATSDR, Toxicological Profile for p,p'-DDT, DDE, DDD, 1989).

4,4'-DDD--The health effects resulting from exposure of animals to 4,4'-DDD in water are not known. A NOAEL of 26 mg/kg-day was identified during short-term exposure (1 week) of mice to 4,4'-DDD in the diet. Exposure of rats to 1221 mg/kg-day 4,4'-DDD for 16 days resulted in atrophy of the thymus. NOAELs of 165 and 107 mg/kg-day were identified in chronic studies (78 weeks) using rats and mice, respectively. However, at 85 mg/kg-day, exposure to 4,4'-DDD resulted in thyroid tumors in rats. In a separate study, exposure to 32.5 mg/kg-day 4,4'-DDD caused lung tumors in mice (ATSDR, Toxicological Profile for p,p'-DDT, DDE, DDD, 1989).

Neither IRIS nor HEAST list an oral RfD, inhalation RfD or inhalation RfC.

4,4'-DDD is a Group B2 - Probable Human Carcinogen. This classification is based on the induction of lung tumors in male and female mice, liver tumors in male mice and thyroid tumors in male rats. There are no human carcinogenicity data. The oral slope factor is 2.4E-01 $(mg/kg\text{-}day)^{-1}$. The supporting study used an adequate number of animals, but the slope factor was derived using tumor incidence data from one dose. There is no inhalation unit risk at this time.

4,4'-DDE--The health effects resulting from exposure of animals to 4,4'-DDE in water are not known. Exposure of mice (by gavage) to 26 mg/kg/day 4,4'-DDE for 24 hr/day for one week caused alterations in the liver. When rats were exposed to 28 mg/kg/day 4,4'-DDE by gavage on gestation days 15-19, a decrease in the weight of the ovaries was noted. A NOAEL of 42 mg//kg/day was identified in a long-term (78 weeks) study in which rats were fed 4,4'-DDE in the diet. Hamsters fed 41.5 mg/kg/day 4,4'-DDE for 128 weeks exhibited necrosis of the liver and when 4,4'-DDE was administered by gavage, tumors of the liver were observed. When mice were exposed to 19 mg/kg/day 4,4'-DDE in the diet for 78 weeks, liver tumors were also observed (ATSDR, Toxicological Profile for p,p'-DDT, DDE, DDD, 1989).

4,4'-DDE is classified as a group B2 - Probable Human Carcinogen. This classification is based on increased incidence of liver tumors including carcinomas in two strains of mice and in hamsters and thyroid tumors in female rats when 4,4'-DDE is given in the diet. Human data are not available. The oral slope factor is 3.4E-01 $(mg/kg/day)^{-1}$. This value is the geometric mean of six slope factors computed from incidence data by sex.

4,4'-DDT--The primary effect of short-term exposure to high levels of 4,4'-DDT is on the nervous system. Oral ingestion of large quantities of 4,4'-DDT have resulted in excitability, tremors, and seizures in humans. Irritation of the eyes, nose, and throat have been reported by people who have come in contact with 4,4'-DDT. Exposure to low doses of DDT on a long-term basis has resulted in changes in the levels of liver enzymes involved in metabolism of drugs and chemicals but there was no indication that 4,4'-DDT caused irreversible damage (ATSDR Toxicological Profile for p,p' - DDT, DDE, DDD, 1989).

Studies conducted in laboratory animals suggest that exposure to 4,4'-DDT may have harmful effects on reproduction and may result in an increased occurrence of liver tumors. However, five studies of 4,4'-DDT exposure in humans did not show

increases in the number of deaths or cancers (ATSDR, Toxicological Profile for p,p' - DDT, DDE, DDD, 1989). Increasing evidence indicates that pesticides, including 4,4'-DDT, can alter immune function in rodents although studies in humans are limited and ambiguous. In a study of pesticide formulators in India, 73% of workers exposed to 4,4'-DDT had altered levels of serum immunoglobulins although no increase in infections was noted (Dean, et. al., 1991).

The oral RfD for 4,4'-DDT is listed in IRIS as 5E-04 mg/kg-day. This value is based on a chronic rat feeding study in which 4,4'-DDT was provided in the diet. Weanling rats were fed commercial DDT in doses of 0, 1, 5, 10, or 50 ppm for 15-27 weeks. Increasing hepatocellular hypertrophy was seen at doses of 5 ppm and greater. Therefore, 5 ppm was established as a LOAEL. A NOAEL of 1 ppm (converted to 0.05 mg/kg-day) was also established in the study. An uncertainty factor of 100 was used to account for interspecies conversion and to protect sensitive human subpopulations (10x each). An uncertainty factor for subchronic to chronic conversion was not included because of corroborating chronic data in the data base. A confidence rating of medium was associated with the RfD and reflects that the principal study was adequate but of shorter duration than desired. There are no values for the inhalation RfD or RfC at this time. HEAST lists the subchronic oral RfD as 5.0E-04 mg/kg-day.

4,4'-DDT is classified as Group B2 - Probable Human Carcinogen. This classification is based on tumors (usually liver) in various mouse strains and three rat studies. Human carcinogenicity data is inadequate. The oral slope factor listed in IRIS is 3.4E-01 $(mg/kg\text{-}day)^{-1}$. The inhalation unit risk is listed in IRIS as 9.7E-05 $(mg/m^3)^{-1}$. HEAST lists an inhalation slope factor of 3.4E-01 $(mg/kg\text{-}day)^{-1}$.

Dibenzofuran

Neither IRIS nor HEAST list toxicity values and there is not an established MCL for dibenzofuran in *Drinking Water Regulations and Health Advisories* (USEPA,

1991). The biochemical mechanisms leading to toxic responses following exposure to dibenzofurans are not known in detail. However, experimental evidence suggests that an intrucellur protein (Ah receptor) plays an important role in the development of the systemic toxicity that results from exposure to TCDD-related compounds such as dibenzofurans. Cleft palate formation, liver damage, effects on body weight gain, thymic involution, and chloracnegenic responses have been observed in several mouse strains following exposure to these compounds (USEPA, 1989). Dibenzofuran is a Group D Carcinogen -- Not Classifiable as to Human Carcinogenicity. No data are available concerning the toxicity of dibenzofuran in humans or laboratory animals. However, a risk assessment for dibenzofuran is currently under review by an USEPA work group.

Dibutylphthalate

Adverse effects from exposure of humans to di-n-butyl phthalate have not been reported. Oral exposure of laboratory animals (rats; mice; guinea pigs) to large quantities of di-n-butyl phthalate (2,500 mg/kg-day for up to 34 days) has adverse effects on the male reproductive system. These effects include decreased testicular weight atrophy of the seminiferous tubule and decreased sperm count. However, discontinuation of exposure usually results in sperm production returning to normal. Di-n-butyl phthalate has also been demonstrated to be toxic to fetuses when fed (2,100 mg/kg-day) to dams during pregnancy. Similarly, oral doses of 600 mg/kg-day results in an increased number of resorptions when administered to rats during pregnancy. Limited data suggest that di-n butyl phthalate may be teratogenic. Mice given di-n-butyl phthalate in the diet on days 0-18 of gestation and sacrificed on day 18, showed borderline increases in neural tube defects (exencephaly and myeloschisis). Currently, it is not known whether exposure of humans would result in similar effects, but it is prudent to assume that the effects could be similar (Woodward, 1988).

Limited information is available on inhalation of di-n-butyl phthalate in animals. Rats exposed to 4.4 ppm di-n-butyl phthalate for six months were reported to

have decreased body weight gain and increased lung weight relative to body weight. No effects on liver or kidney were noted. Slight alterations in several serum chemistry parameters were noted (serum enzymes; blood urea nitrogen; cholesterol) were noted but were not clearly dose-related.

Di-n-butyl phthalate appears to have relatively low toxicity. The levels of di-n-butyl phthalate that cause toxic effects in animals are approximately 10,000 times higher than the levels found in air, food, or water. Repeated application of large amounts of di-n-butyl phthalate to the skin may cause mild irritation.

An oral RfD of 1.0E-01 mg/kg-day is listed in IRIS for di-n-butyl phthalate. This value is based on a subchronic to chronic oral bioassay conducted in rats. Male Sprague-Dawley rats were fed diets containing 0. 0.01, 0.05, 0.25, or 1.25% dibutyl phthalate for one year. Fifty percent of the rats receiving the highest dose died during the first week of exposure. The remainder of the animals survived through the end of the study with no apparent ill effects. No treatment-related effects were noted in gross pathology or hematology. A NOAEL of 0.25% (125 mg/kg-day) was established. The LOAEL was 1.25% (600 mg/kg-day). An uncertainty factor of 1000 was applied to account for interspecies variation, less-than-chronic duration of study, and to protect sensitive human subpopulations (10x each). A confidence rating of low was given for the RfD because a small number of animals was used in the study. Additionally, it was not stated whether the 50% mortality observed in the study was considered treatment-related. HEAST lists the subchronic RfD as 1.0E+00 mg/kg-day.

USEPA classifies di-n-butyl phthalate as Group D -- Not Classifiable as to Human Carcinogenicity. Classification in weight-of-evidence Group D precludes quantitative toxicity assessment.

Dichloroprop

Dichloroprop is considered to be a moderately toxic herbicide (Hawley, 1981). The acute LD_{50} (Lethal Dose for 50% of experimental animals) is 800 mg/kg for rats and 400 mg/kg for mice. The acute percutaneous LD_{50} in mice is 1400 mg/kg. It is not an irritant to the eyes at 10 g/L or to skin at 24 g/L. In a 98-day feeding study conducted in rats, no toxic effects were observed in animals receiving 12.4 mg/kg-day although slight liver hypertrophy was observed at the 50 mg/kg-day dose (Worthington 1983).

Neither IRIS nor HEAST list an oral RfD for dichloroprop. However, a risk assessment for this compound is currently under review by an USEPA work group.

Dieldrin

Upon entry into the environment, aldrin is rapidly converted to dieldrin, its corresponding epoxide. Dieldrin is lipid-soluble and is stored in adipose tissue of humans and other animals. Aldrin and dieldrin cause similar adverse health effects. No increase in mortality from any cause has been reported in workers who have been employed in the manufacture of dieldrin for more than 4 years. However, long-term exposure to moderate levels of dieldrin causes headaches, dizziness, irritability, vomiting, or uncontrollable muscle movements. Central nervous system (CNS) excitation culminating in convulsions was the principal toxic effect noted in occupational studies of workers employed in the manufacture or application of dieldrin. Short-term exposure to high levels of dieldrin causes convulsion and kidney damage. Long-term exposures to lower levels may also cause convulsions as a result of the potential dieldrin, to accumulate within the body.

The carcinogenic and reproductive/developmental effects of dieldrin in humans are currently unknown. Experimental studies indicate that animals born to

mothers that were fed dieldrin do not live long (ATSDR Toxicological Profile for Aldrin/Dieldrin, 1992). One study revealed detectable levels of dieldrin in the human placenta, amniotic fluid, and fetal blood. These results suggest that dieldrin can pass through the human placenta and accumulate in the developing fetus.

The oral RfD for dieldrin is listed in IRIS as 5E-05 mg/kg-day. This value was based on a chronic (2-year) rat feeding study. The same value is listed in HEAST as the subchronic oral RfD. The critical effect noted in the study was liver lesions.

Dieldrin is a Group B2 -Probable Human Carcinogen. This is based on the fact that dieldrin is carcinogenic in seven strains of mice when given orally. It is also structurally similar to aldrin, chlordane, heptachlor, heptachlor epoxide, and chlorendic acid, which are tumorigens. The oral slope factor is 1.6E+1 $(mg/kg/day)^{-1}$ and is the geometric mean of 13 slope factors calculated from liver carcinoma data in both sexes of several strains of mice. The inhalation unit risk is 4.6E-03 $\mu g/m^3$ based on oral data.

Diesel Fuel

Fuels are complex hydrocarbon mixtures produced by distillation of crude oil. Therefore, they may contain hundreds of hydrocarbon components as well as additives. Diesel fuels are middle distillates that are composed of less volatile hydrocarbons, generally coming off the distillation column at temperatures of 150-360 °C. Diesel fuels consist primarily of C_9 and C_{20} hydrocarbons. Marine diesel fuels are comprised roughly of 13% paraffins, 44% aromatics, and 44% naphthalenes (NTP, 1986). Marine diesel fuel may also contain greater than 10% PAHs (polyaromatic hydrocarbons). Soluble, volatile components of these fuel mixtures may consist of benzene, toluene, xylenes, and ethylbenzene.

The data are sufficient to derive a provisional oral RfD for marine diesel fuel based on subchronic inhalation studies. Studies on marine diesel fuel were

conducted in beagle dogs, Fischer-344 rats, and C57BL/6 mice. Animals were exposed continuously to 300 mg/m^3 marine diesel fuel for 90 days. A LOAEL of 50 mg/m^3 (converted to 81 mg/kg-day) was identified in the study. This value was based on findings of fatty changes in the livers of female C57BL/6 mice. A provisional RfD of 8.0E-03 mg/kg-day was calculated for diesel fuel. An uncertainty factor of 10,000 was used and accounts for five areas of uncertainty: variation between and within species, use of a LOAEL (in lieu of a NOAEL), extrapolation to chronic duration, and deficiencies in the database (10x each). Overall confidence in this provisional RfD is low reflecting that only two doses were examined, the failure to identify a NOAEL, and the use of subchronic inhalation studies for development of a chronic oral RfD (USEPA, 1992).

Based on the available data, diesel fuel can be classified as Group D - Not Classifiable as to Human Carcinogenicity. Epidemiological studies provided no conclusive evidence for carcinogenicity of diesel fuels to humans and skin painting studies in laboratory animals were inconclusive. Classification of a chemical in weight-of-evidence Group D precludes quantitative toxicity assessment (USEPA, 1992).

Endosulfan I, Endosulfan II and Endosulfan Sulfate

Endosulfan exists in two stereoisomeric forms (Endosulfan I and Endosulfan II) that can be converted to endosulfan sulfate. Technical grade endosulfan consists mainly of the I and II isomers in approximately a 7:3 ratio.

No information is available on the metabolism of endosulfan in humans but endosulfan is converted to endosulfan sulfate and endosulfan diol in laboratory animals. Endosulfan and endosulfan sulfate are believed to be responsible for the toxicity observed in animals. Endosulfan and its metabolite, endosulfan sulfate exhibit similar toxicities and, therefore, they will be discussed together.

Poisoning has been reported in people exposed to very high levels of endosulfan via ingestion or inhalation for short periods (ATSDR, Draft Toxicological Profile for Endosulfan, Endosulfan Alpha, Endosulfan Beta, and Endosulfan Sulfate, 1991). These exposures resulted in damage to the nervous system and can cause death. The health effects in humans exposed to lower levels for longer periods are currently unknown.

Similar to the effects seen in humans, results from experimental studies using laboratory animals indicate that exposure to high levels of endosulfan for short periods of time can result in CNS injury. Other organs or systems that are affected in laboratory animals include liver, kidneys, blood, and immune system. However, these effects have not been noted in humans. Renal and reproductive systems are the only systems known to be affected by long-term exposure to lower levels of endosulfan.

HEAST lists an oral RfD for endosulfan of 5.0E-05 mg/kg/day, based on a chronic oral study in which rats were fed 3 ppm (0.15 mg/kg/day) endosulfan in their diet. This was a 2-generation reproduction study. Mild lesions were seen in the kidney. There are currently no inhalation RfD or RfC values. No toxicity values are available for endosulfan sulfate.

Currently there is no evidence to suggest that endosulfan causes cancer in humans or animals. Likewise, there currently is a lack of evidence to suggest that endosulfan affects the ability of people or animals to reproduce. Endosulfan has, however, been shown to damage male and female reproductive organs in rats and to cause birth defects in offspring from pregnant animals given relatively low doses of the compound. These effects may also occur in humans; however, currently there is no information that suggests that this is the case. Neither IRIS nor HEAST list a slope factor at this time.

Endrin

No long-term health effects have been noted in workers employed in endrin manufacture or field application that were exposed dermally or by inhalation. Endrin causes death within a few hours upon ingestion of large quantities. Acute studies demonstrate that death due to CNS stimulation is the primary acute lethal effect associated with endrin exposure. In less severe cases of exposure to high levels, endrin causes headache, dizziness, nausea, vomiting, nervousness, and confusion. Some of these symptoms can continue for weeks. Liver, kidney, heart, and brain damage was reported following oral and inhalation exposures. However, endrin is no longer used commercially and, therefore, the general public is not likely to encounter levels sufficient to lead to toxic neurological effects or to cause death (ATSDR, Toxicological Profile for Endrin/Endrin aldehyde, 1990).

Studies conducted on laboratory animals confirm that the primary target organ for endrin toxicity is the brain and nervous system. Birth defects, such as abnormal bone formation, have been observed in some animals studies. These data suggest that endrin exposure to relatively high doses during pregnancy could pose a human health risk to the developing fetus although no human data are available concerning the developmental effects of endrin (ATSDR, Toxicological Profile for Endrin/Endrin aldehyde, 1990).

It is not known whether endrin can be expected to increase the risk of humans for developing cancer. Studies using rodents and dogs indicated that endrin did not cause cancer in these animals. However, there were deficiencies in these studies that precluded accurately evaluating the carcinogenic potential of endrin (ATSDR, Toxicological Profile for Endrin/Endrin aldehyde, 1990).

IRIS lists the oral RfD for endrin as 3E-04 mg/kg/day. This value was derived from a chronic oral bioassay in dogs. Three to seven dogs/sex were fed diets

containing 0.1, 0.5, 1.0, 2.0, or 4.0 ppm endrin for two years. The 2 and 4 ppm dose groups experienced occasional convulsions, slightly increased relative liver weights, and mild histopathological effects in the liver. The NOEL was 1 ppm while the LOAEL was 2 ppm. The 1 ppm dose was equivalent to 0.025 mg/kg/day. The uncertainty factor is 100 to account for uncertainty in the extrapolation of dose levels from animals to humans and for uncertainty in the threshold for sensitive humans. The confidence level is medium because information on reproductive effects is lacking. A subchronic RfD of 3E-04 is listed in HEAST.

Endrin is classified as Group D - Not Classifiable as to Human Carcinogenicity. This classification is based on the fact that it did not produce carcinogenic effects in two strains of rats or three strains of mice when given orally. Several of the bioassays had inadequacies which cast doubt on the strength of the negative findings. Human carcinogenicity data is inadequate for use in classification. No slope factor was given for endrin.

Endrin Aldehyde

Endrin aldehyde is not commercially available, but is found as an impurity of endrin. No information regarding the health effects of endrin aldehyde was located in the available literature (ATSDR, Draft Toxicological Profile for Endrin/Endrin aldehyde, 1990). USEPA has developed neither an oral RfD nor a slope factor for endrin aldehyde.

Endrin Ketone

Endrin ketone (12-ketoendrin) has been identified in both urine and feces of workers in pesticide manufacturing plants. Hydroxyendrin and ketoendrin are more toxic in the rat than endrin itself. Endrin ketone is most likely the toxic entity of endrin.

The USEPA has not developed an RfD for endrin ketone nor has USEPA classified endrin ketone as to its carcinogenicity.

Ethylbenzene

Little information on the human health effects of long-term exposure to ethylbenzene was found in the available literature. Low levels of ethylbenzene in the air cause irritation of the eyes and throat. Upon exposure to higher levels, persons demonstrate signs of more severe effects such as decreased movement and dizziness. Short-term exposure to high levels of ethylbenzene in air may cause liver and kidney damage, nervous system changes, and changes in the blood of laboratory animals (ATSDR, Draft Toxicological Profile for Ethylbenzene, 1990).

No studies have reported death in humans following exposure to ethylbenzene. Studies in laboratory animals do suggest that ethylbenzene can cause death. There is no clear evidence that reproductive effects occur following inhalation, ingestion, or dermal contact with ethylbenzene. Birth defects have occurred in newborn animals when the mothers were exposed to ethylbenzene. These effects become increasingly serious with increasing doses of ethylbenzene. A single long-term study in animals suggested that ethylbenzene caused tumors. However, the study had many weaknesses and conclusions could not be drawn regarding the possible carcinogenic effects in humans (ATSDR, Draft Toxicological Profile for Ethylbenzene, 1990).

IRIS listed an oral RfD for ethylbenzene of 1.0E-01 mg/kg/day. This value was based on a subchronic bioassay in which rats were administered 13.6, 136, 408 or 680 mg/kg/day ethylbenzene by gavage 5 days/week. The LOAEL (Lowest Observed Adverse Effect Level) of 408 mg/kg/day was associated with histopathologic changes in liver and kidney. The NOEL (No Observed Effect Level) established in this study was 136 mg/kg/day (converted to 97.1 mg/kg/day to reflect treatment 7 days/week).

An uncertainty factor of 1000 (10x each for intraspecies and interspecies variability and 10x for extrapolation of subchronic effect level to its chronic equivalent) was used to derive the RfD. The level of confidence in the RfD is low and reflects the fact that only one sex was tested and that the experiment was not of chronic duration. The inhalation RFC is listed as 1.00E+00 mg/m^3 in IRIS.

USEPA has classified ethylbenzene as Group D - Not Classifiable as to Human Carcinogenicity. This classification was due to lack of animal bioassays and human studies. Therefore, there is no slope factor at this time.

Fluoranthene

No information is available in the current literature concerning the level of fluoranthene that results in harmful effects in humans following inhalation, ingestion, or dermal exposure although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to benzo(a)pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL

provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

An oral RfD of 4.0E-02 mg/kg-day is listed in IRIS for fluoranthene. This value is based on a subchronic study conducted in mice. Mice were gavaged for 13 weeks with 0, 125, 250, or 500 mg/kg/day fluoranthene. All treated mice exhibited nephropathy, increased salivation, and increased liver enzyme levels in a dose-dependent manner. These effects were either not significant, not dose-related, or nor considered adverse at the 125 mg/kg-day dose. Exposure of mice to 500 mg/kg-day resulted in increased food consumption and increased body weight. Statistically significant increases in SGPT (serum glutamate pyruvate transaminase) values and increased absolute liver weights were noted in mice exposed to 250 and 500 mg/kg-day. Compound-related microscopic liver lesions (indicated by pigmentation) were observed in 65 and 87.5% of the mid- and high-dose mice, respectively. Based on increased SGPT levels, kidney and liver pathology, and clinical and hematological changes, a LOAEL of 250 mg/kg-day and a NOAEL of 125 mg/kg-day was established.

An uncertainty factor of 3000 was used to compensate for interspecies conversion (10x), intraspecies variability (10x), use of a subchronic study for chronic RfD derivation (10x), and the lack of supporting reproductive/developmental toxicity data and toxicity data in a second species (3x). A confidence rating in the RfD of low reflects that developmental toxicity, reproductive toxicity, and toxicity in a second species following

oral exposure to fluoranthene have not been adequately studied. HEAST lists a subchronic oral RfD of 4.0E-01 mg/kg-day.

USEPA classifies fluoranthene as Group D -- Not Classifiable as to Human Carcinogenicity. This is based on a lack of human data and inadequate data from animal bioassays. Therefore, USEPA has not published a slope factor for fluoranthene.

Fluorene

No information is available in the current literature concerning the level of fluorene that results in harmful effects in humans following inhalation, ingestion, or dermal exposure although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to benzo(a)pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to

result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

An oral RfD of 4.0E-02 mg/kg-day is listed in IRIS for fluorene. This value is based on a subchronic study conducted in mice. Mice were exposed to 0, 125, 250, or 500 mg/kg-day fluorene suspended in corn oil by gavage for 13 weeks. Increased salivation and hypoactivity were observed in all treated animals. Labored respiration and ptosis (drooping eyelids) were noted in the 500 mg/kg-day dose group. A significant decrease in red blood cell count and packed cell volume were observed in females treated with 250 mg/kg-day fluorene and in both sexes at the 500 mg/kg-day dose. Decreased hemoglobin and increased total serum bilirubin levels were also observed in the 500 mg/kg-day dose group. A significant decreasing trend in BUN (blood urea nitrogen) and a significant increasing trend in total serum bilirubin were observed in both males and females at the highest dose (500 mg/kg-day). A significant increase in relative liver weight at all doses and a significant increase in absolute liver weight was noted at the 250 and 500 mg/kg-day dose. An increase in absolute and relative spleen and kidney weight was observed in males and females exposed to 500 mg/kg-day and in females exposed to 500 mg/kg-day. The increases in absolute liver and spleen weights were accompanied by histopathological increases in the amounts of hemosiderin in the spleen and kupffer cells in the liver. A LOAEL of 250 mg/kg-day and a NOAEL of 125 mg/kg-day was established.

An uncertainty factor of 3000 was used to account for use of a subchronic study (10x), inter- and intra-species variability (10x each), and for lack of adequate toxicity data in a second species and reproductive/developmental data (3x). Low

confidence was placed on the RfD due to the fact that reproductive, developmental, and chronic toxicity have not been evaluated following oral exposure to fluorene. Additionally, a NOAEL was not identified. HEAST lists a subchronic RfD of 4.0E-01 mg/kg-day.

USEPA classifies fluorene as Group D -- Not Classifiable as to Human Carcinogenicity. This classification is based on a lack of human data and inadequate data from animal bioassays.

Gasoline

Acute ingestion of gasoline may cause burning of the mouth and throat, gastrointestinal irritation, nausea, vomiting, and diarrhea (USEPA, 1992). Unconsciousness, coma, and death have been reported following very large doses. The fatal dose for humans has been estimated to be 10 g for children and 350 g for adults. Headache, dizziness, nausea, and drowsiness may occur upon inhalation exposure of 500 ppm. More severe effects such as anesthesia, loss of reflexes, convulsions, and delirium may occur at 1000-5000 ppm (after 15-60 minutes), and unconsciousness, coma, and death may occur at >5000 ppm (USEPA, 1992).

Studies of the health effects that result from repeated exposure of laboratory animals to gasoline have identified several target-organs. A provisional RfD has been derived using the results from a chronic inhalation study conducted in rats and mice and performing route-to-route extrapolation. In this study, Fischer 344 rats and B6C3F1 mice were exposed to 0, 67, 292, or 2056 ppm of whole vapors of unleaded gasoline 6 hours per day, 5 days per week for 103-113 weeks. Body weight gain was reported to be significantly reduced in male rats (13 weeks), female rats (26 weeks), and male mice (66 weeks) exposed to the highest dose (2056 ppm). A NOAEL of 292 ppm (converted to 230 mg/m^3 was established. The female rat was chosen as the basis for the RfD and conversion to an equivalent oral dose (241 mg/kg-day) was performed by

assuming equal absorption by inhalation and oral route and using standard reference values for body weight and inhalation rate. The calculated RfD was listed as 2.0E-01 mg/kg-day. An uncertainty factor of 1000 was used and accounts for intra- and interspecies variation, and deficiencies in the database (10x each). Confidence in the provisional oral RfD is low and reflects the lack of reported systemic toxicity (focused on results related to carcinogenicity), available oral studies, supporting data via any route of exposure, and adequate reproductive/developmental studies.

Based on the available evidence, unleaded gasoline can be assigned to USEPA weight-of-evidence Group C - Possible Human Carcinogen. The available epidemiological studies did not provide substantial evidence of carcinogenicity of gasoline to humans. However, chronic inhalation of unleaded gasoline produces renal tumors in male rats and liver tumors in female mice. The provisional oral slope factor developed from this is 1.7E-03 $(mg/kg\text{-}day)^{-1}$. However, the findings of renal tumors may not be applicable to human health risks because the lesion is caused by α2U globulin nephropathy, which is unique to male rats.

Heptachlor

Heptachlor is a major component of the pesticide chlordane. Information regarding human health effects from exposures to heptachlor is sparse. Tremors and convulsions have been reported in experimental animals exposed orally to high levels of heptachlor for short periods of time (ATSDR, Draft Toxicological Profile for Heptachlor/Heptachlor Epoxide, 1992). Long-term exposure to heptachlor may adversely affect the liver. Animals fed heptachlor in an experimental setting have been reported to have enlarged livers, liver damage, kidney damage, and increased red blood cell count. Tremors and convulsions have also been reported in animals exposed to heptachlor on a long-term basis (ATSDR, Draft Toxicological Profile for Heptachlor/Heptachlor Epoxide, 1992).

Evidence which supports an association between heptachlor and infertility or improper development of offspring include animal studies showing: 1) females are less likely to be impregnated when both males and females were fed heptachlor; 2) and rats born to dams fed heptachlor during pregnancy tended to develop cataracts. Heptachlor fed to animals has also been reported to cause liver cancer (ATSDR, Draft Toxicological Profile for Heptachlor/Heptachlor Epoxide, 1992).

The oral RfD for heptachlor is listed as 5E-04 mg/kg/day in IRIS. This is based on a 2-year study in which rats were fed 0, 1.5, 3, 5, 7, or 10 ppm heptachlor. The two highest doses caused liver lesions (hepatocellular swelling and peripheral arrangements of the cytoplasmic granules in cells of the central zone of the liver lobules) characteristic of chlorinated hydrocarbon exposure. The NOEL was 3 ppm for liver weight increases in males.

An uncertainty factor of 300 was used to derive the RfD and accounts for inter- and intraspecies differences (10x each). An additional factor of 3 was added because of lack of chronic toxicity data in a second species. The confidence level was low because of low study quality and incomplete chronic toxicity data in the data base. The subchronic RfD is the same as the chronic RfD according to HEAST. There are no inhalation RfD or RfC values listed at this time.

Heptachlor is a Group B2 - Probable Human Carcinogen. Sufficient evidence exists in mice of benign and malignant liver tumors. It is also structurally similar to several other liver carcinogens. The oral slope factor is 4.5 $(mg/kg/day)^{-1}$ and is the geometric mean of the slope factors from four mice data sets. Adequate numbers of animals were treated and the incidences of malignant lesions were significantly increased in each data set. The inhalation unit risk was listed in IRIS as 1.3E-03 $(\mu g/m^3)^{-1}$.

Heptachlor Epoxide

Upon entering the body, heptachlor is metabolized to heptachlor epoxide and other related chemicals. Heptachlor is a major component of the pesticide chlordane. Information regarding human health effects from exposures to heptachlor is sparse. Tremors and convulsions have been reported in experimental animals exposed orally to high levels of heptachlor for short periods of time. Long-term exposure to heptachlor may adversely affect the liver. Animals fed heptachlor in an experimental setting have been reported to have enlarged livers, liver damage, kidney damage, and increased red blood cell count. Tremors and convulsions have also been reported in animals exposed to heptachlor on a long-term basis (ATSDR Toxicological Profile for Heptachlor/Heptachlor Epoxide, 1992).

Heptachlor epoxide is more harmful than heptachlor, primarily because of its ability to be stored in fat for long periods of time. The other breakdown products of heptachlor epoxide generally are less toxic. Long-term exposure to heptachlor epoxide may adversely affect the liver. Animals fed heptachlor epoxide in an experimental setting have been reported to have enlarged livers, liver damage, kidney damage, and increased red blood cell count.

Placental transfer of heptachlor epoxide has been reported following inhalation exposure. Heptachlor epoxide has also been identified in breast milk. This compound has been detected in stillborn infant brain, adrenal, lung, heart, liver, kidney, spleen, and adipose tissues. However, the studies reporting these findings were limited by lack of data concerning route, duration, extent of exposure, and number of cases examined. No gross malformations were reported in any of the stillborn infants. Although a developing fetus could be exposed to heptachlor epoxide transplacentally, the existing data are inadequate to establish a relationship between exposure and human developmental toxicity (ATSDR Toxicological Profile for Heptachlor/Heptachlor Epoxide, 1992).

The oral RfD for heptachlor epoxide is listed as 1.3E-05 mg/kg-day in IRIS. This value is based on a chronic feeding study conducted in Beagle dogs. Dogs from 23 to 27 weeks of age were fed diets containing 0,0.5, 2.5, 5, or 7.5 ppm of heptachlor epoxide for 60 weeks. The critical effect noted in the study was treatment-related increases in liver-to-body weight ratios. Effects were noted in both males and females and a LEL (Lowest Effect Level) of 0.5 ppm was established. A NOEL (No Observed Effect Level) was not established in this study. An uncertainty factor of 1000 was used to account for inter- and intra-species differences and to account for the fact that a NOEL was not established in the study. The confidence associated with the oral RfD was low, reflecting that the principal study was of low quality and that the database on chronic toxicity is complete but consists of low quality studies. The subchronic RfD listed in HEAST is the same as the chronic RfD (1.3E-05 mg/kg-day) listed in IRIS.

Heptachlor epoxide is classified by the USEPA as Group B2 - Probable Human Carcinogen. Sufficient evidence exists from rodent studies in which liver carcinomas were induced in two strains of mice of both sexes and in CFN female rats. It is also structurally similar to several other liver carcinogens. There are no published epidemiologic evaluations of heptachlor epoxide. The oral slope factor listed in IRIS is 9.1E+00 $(mg/kg\text{-}day)^{-1}$. An inhalation unit risk of 2.63E-03 $\mu g/m^{-3}$ was calculated from oral data.

2-Hexanone

Workers exposed to 2-Hexanone for almost a year experienced weakness, numbness, and tingling in the skin of the hands and feet. In animals that ingested or breathed 2-Hexanone, weakness, clumsiness and paralysis were seen. Subchronic effects in animals that inhaled pure 2-Hexanone included nerve damage, weakness in the legs, a decreased number of white blood cells, and decreased weight of testes. Paralysis was seen in rats who ingested 2-Hexanone for more than 14 days and similar effects were seen after dermal contact (Toxicological Profile for 2-Hexanone, 1991).

An outbreak of distal polyneuropathy was reported in a fabric plant using 2-hexanone for about 10 months. Eight of 86 employees showing symptoms had weight losses of 3 to 60 pounds and moderate to severe neurological impairment. Other employees had mild sensory impairment and electrodiagnostic abnormalities. The concentration of 2-hexanone averaged 9.2 ppm in front of fabric printing machines and about 36 ppm behind the machines. After use of 2-hexanone was discontinued, weight gain was uniformly noted in those that had lost weight. Other chemicals, such as methyl ethyl ketone, may have been present in the atmosphere (Toxicological Profile for 2-Hexanone, 1991).

Developmental effects in rats exposed to 1,000 ppm or 2,000 ppm 2-hexanone (purity not stated) during gestation included hyperactivity in the young and decreased activity in the geriatric stage. Also noted was decreased rate of avoidance learning in puberty-aged females of treated dams and increased random movement in puberty-aged and adult offspring of treated dams (Toxicological Profile for 2-Hexanone, 1991).

Toxicity values for 2-hexanone were not available in IRIS or HEAST. An LD_{50} of 2,590 mg/kg was calculated for gavage administration of 2-hexanone to rats. No deaths occurred in 24 hours in rats given 1,500 mg/kg by gavage. The NOAEL for acute exposure resulting in hepatic and renal effects was reported to be 1,500 mg/kg-day in rats. A LOAEL of 660 mg/kg-day was reported for a 90 day study resulting in weight loss in rats. For intermediate exposure (40 weeks), a NOAEL of 400 mg/kg-day resulting in hepatic and renal effects in rats was reported. In guinea pigs, a LOAEL of 600 mg/kg-day resulted in abnormal pupil response and in hens, a LOAEL of 100 mg/kg-day resulted in ataxia (Toxicological Profile for 2-Hexanone, 1991).

Indeno(1,2,3-cd)Pyrene

No information is available in the current literature concerning the level of indeno(1,2,3-cd)pyrene that results in harmful effects in humans following inhalation, ingestion, or dermal exposure although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to benzo(a)pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

USEPA has not developed an oral RfD for indeno(1,2,3-cd)pyrene. USEPA has listed indeno(1,2,3-cd)pyrene as a Group B2 - Probable Human Carcinogen. Insufficient human data as to the potential carcinogenicity of indeno(1,2,3-cd)pyrene was available but the data from animal bioassays was considered sufficient for this classification. Indeno(1,2,3-cd)pyrene produced tumors in mice following lung implants, subcutaneous injection, and dermal exposure. Indeno(1,2,3-cd)pyrene also tested positive in bacterial gene mutation assays. However, USEPA has not published a slope factor for indeno(1,2,3-cd)pyrene at this time. A slope factor of 1.69E+00 $(mg/kg\text{-}day)^{-1}$ was calculated by multiplying the slope factor for benzo(a)pyrene by the relative potency factor of 0.232 for indeno(1,2,3-cd)pyrene (USEPA, 1991a).

Manganese

Inhalation of manganese particulates can lead to an inflammatory response in the lungs. This reaction has been observed in both man and laboratory animals and is not unique to manganese. It is, instead, characteristic of nearly all inhalable particulate matter. There is conclusive evidence in humans that shows inhaling high levels of manganese can result in a disabling neurological syndrome that is accompanied by apathy, general weakness, dullness, anorexia, and muscle pain. Impotence and loss of libido are common signs in male workers exposed to relatively high levels of manganese in the air (ATSDR, Toxicological Profile for Manganese, 1991).

Most animal studies indicate that manganese has a low acute oral toxicity. No adverse health effects were seen in mice given 810 mg/kg-day during a chronic feeding study. There are no studies available at this time regarding health effects in humans or laboratory animals following dermal exposure to manganese (ATSDR, Toxicological Profile for Manganese, 1991).

The chronic oral RfD for manganese in food is listed in IRIS as 1.4E-01 mg/kg-day. HEAST lists the same value for the subchronic oral RfD. These values are

based on extensive human data using manganese as a dietary supplement. A NOAEL of 0.14 mg/kg-day was established. A LOAEL was not established. Confidence in the dietary RfD for manganese is medium, reflecting that the many studies with regard to normal dietary intake of manganese by humans have reported similar findings. An uncertainty factor of 1 has been applied to the dietary RfD since it was derived from data taken from many large populations consuming normal diets over an extended period of time.

The oral RfD for water is listed in IRIS as 5.0E-03 mg/kg-day and assumes a separate dietary intake of manganese. This value was derived based on chronic human ingestion data. The NOAEL of 167 μg/L and a LOAEL of 1950 μg/L were established. Assuming a water consumption of 2L-day and a body weight of 10 kg, these equivalent to 0.05 and 0.06 mg/L-day, respectively.

IRIS lists an inhalation RfC of 4.0E-04 mg/m^3 based on an increased prevalence of respiratory symptoms and psychomotor disturbances in male workers occupationally exposed to inorganic manganese. The chronic and subchronic inhalation RfDs are 1.1E-04 mg/kg-day.

USEPA has classified manganese as a Group D Carcinogen -- Not Classifiable as to Human Carcinogenicity. The basis for this classification is the absence of human studies and the inadequacy of existing animal studies regarding carcinogenic potential.

2-Methylchlorophenoxy Propionic Acid (MCPP)

The RfD for MCPP is listed in IRIS as 1E-03 mg/kg/day. This is supported by a 90-day study in which rats were dosed with 0, 50, 150, or 450 ppm (0, 3, 9, or 26 mg/kg/day) MCPP in their diet. Increased absolute and relative kidney weights was observed in males, and increased relative kidney weights were observed at 150 ppm.

Increased relative and absolute kidney weights in both sexes, increased creatinine levels in females and decreased glucose levels in males was observed at 450 ppm. The NOEL was 3 mg/kg/day.

An uncertainty factor of 3000 was used to derive the RfD. It accounts for inter- and intraspecies differences and for the duration of the study. An additional factor of 3 accounts for the lack of a second species toxicity feeding study and lack of a reproductive study in rats. The confidence level for the oral RfD is medium due to the lack of a second species and a reproductive study. HEAST lists a subchronic RfD of 1E-02 mg/kg/day. No values for the inhalation RfD or RfC are listed.

No carcinogenic information is given in IRIS or HEAST at this time.

Methylene Chloride

Based on the results from experimental studies, exposure to methylene chloride vapors may cause irritation of the eyes and damage the cornea. One study reported these effects at 400 ppm; however, the effects usually disappeared within a few days. Inhalation of 300 ppm or greater concentrations of methylene chloride for short periods of time (3 to 4 hours), may result in a slight, but temporary, hearing loss and slight vision impairment. Inhalation of higher concentrations (800 ppm) may result in slowed reaction time, loss of balance and stability, and decreased ability to perform tasks requiring fine motor skills. Longer exposures may cause dizziness, nausea, tingling or numbness of the fingers and toes, and drunkenness. In most cases, these effects disappear upon cessation of exposure. Studies conducted in experimental animals suggest that exposure to higher concentrations (greater than 1,000 ppm) can lead to unconsciousness and death (ATSDR, Draft Toxicological Profile for Methylene Chloride, 1992).

Inhalation of methylene chloride has been reported to cause changes in the liver and kidneys of animals, but similar effects have not been observed in humans. Studies conducted with laboratory animals indicated that inhalation of methylene chloride does not cause birth defects or affect reproduction, even at high concentrations. Methylene chloride has not been associated with cancer in humans exposed to vapors in the workplace. However, inhalation of high concentrations for long periods of time did cause cancer in mice. No information was located in the available literature regarding the effects of methylene chloride in humans following oral exposure. Methylene chloride has resulted in the death of rats orally exposed to large quantities over a short period of time. No information was located on the health effects associated with dermal contact with methylene chloride (ATSDR, Draft Toxicological Profile for Methylene Chloride, 1992).

IRIS lists a chronic oral RfD of 6.0E-02 mg/kg-day. The subchronic RfD listed in HEAST is the same value. This is based on a chronic drinking water bioassay conducted in rats. Rats received 5, 50, 125 or 250 mg/kg-day methylene chloride for two years. Histologic alterations of the liver were evident at doses of 50 mg/kg-day or higher. The low dose of 5 mg/kg-day was established as a NOAEL.

An uncertainty factor of 100 was applied to account for intra- and interspecies variability to the toxicity in lieu of specific data (10x each). The level of confidence in the oral RfD is medium. This rating reflects that the critical study was well performed but that only a few studies support the NOAEL. HEAST listed both the chronic and subchronic inhalation RfC as 3.0E+00 mg/m^3. However, the chronic RfC is currently under review by USEPA work group and, therefore, the number may change.

USEPA has classified methylene chloride as a Group B2 - Probable Human Carcinogen. There is sufficient evidence of carcinogenicity in animals including increased incidence of hepatocellular neoplasms and alveolar/bronchiolar neoplasms in mice, benign mammary tumors in rats, salivary gland sarcomas in male rats and leukemia

in female rats. However, the human carcinogenicity data are considered inadequate for use in classifying this compound. IRIS lists the oral slope factor as 7.5E-03 (mg/kg-day)$^{-1}$. IRIS also lists an inhalation unit risk factor of 4.7E-07 ($\mu g/m^3$)$^{-1}$.

2-Methylnaphthalene

There is little known information about 2-methylnapthalene. It is used to make other chemicals used in the manufacture of pesticides. Currently, there are no toxicity values available for 2-methylnaphthalene and very little information regarding the toxicity of this compound (ATSDR, Toxicological Profile for Napthalene/2-Methylnapthalene, 1990).

Naphthalene

Exposure to naphthalene for short or long periods of time may lead to hemolytic anemia, the breakdown of the red blood cells. Nausea, vomiting, diarrhea, kidney damage, jaundice, and liver damage are some other commonly found effects. Ingestion or inhalation of naphthalene may also lead to cataracts. Laboratory animals ingesting or inhaling naphthalene have exhibited effects on the blood, kidneys, and liver, and in some animals cataracts were seen. Carcinogenicity has not been seen in animals or in humans. Reproductive effects are unknown, however, pregnant women exposed to naphthalene deliver infants with propensity to develop hemolytic anemia (ATSDR, Toxicological Profiles for Napthalene/2-Methylnapthalene, 1990).

IRIS did not list an oral RfD for naphthalene; this value is currently under review by a work group. A chronic oral RfD of 4.0E-02 mg/kg-day is listed in HEAST. HEAST also lists the subchronic RfD as 4.0E-02 mg/kg-day. These values were based on a study in which rats were gavaged with 50 mg/kg-day naphthalene, 5 days a week, for 13 weeks (converted to 37.5 mg/kg-day). The critical effect observed was decreased

body weight gain. HEAST listed an uncertainty factor of 1000 for the subchronic RfD and 10,000 for the chronic oral RfD.

USEPA classifies naphthalene as Group D -- Not Classifiable as to Human Carcinogenicity. This classification reflects a lack of human carcinogenicity data and inadequate data from animal bioassays.

Phenanthrene

No information is available in the current literature concerning the level of phenanthrene that results in harmful effects in humans following inhalation, ingestion, or dermal exposure although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to benzo(a)pyrene in the diet caused birth defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for

Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1989).

An oral RfD for phenanthrene has not been established. USEPA classifies phenanthrene as Group D -- Not Classifiable as to Human Carcinogenicity. This classification reflects a lack of human carcinogenicity data and inadequate data from a single gavage study in rats and skin painting and injection studies in mice. Classification in chemical weight-of-evidence Group D precludes quantitative toxicity assessment.

Pyrene

No information is available in the current literature concerning the level of pyrene that results in harmful effects in humans following inhalation, ingestion, or dermal exposure although inhalation and dermal exposure to mixtures of PAHs has been associated with the development of cancer in humans (ATSDR, Toxicologic Profile for Polyaromatic Hydrocarbons, 1990).

The levels and length of exposure to individual PAHs that result in human health effects can not be determined from the data that are currently available. Therefore, exposure levels that presumably cause human health effects have been estimated from experimental studies conducted in laboratory animals. Estimates of exposure that pose minimal risks to humans have been made where data are believed to be reliable. A minimal risk level (MRL) of 3.6 ppm in food for short-term human exposure (less than or equal to 14 days) has been estimated for PAHs in general. This estimated MRL is based on experimental studies in which laboratory animals were fed benzo(a)pyrene. Short-term exposure of mice to benzo(a)pyrene in the diet caused birth

defects. Long-term (6 months) exposure of mice resulted in adverse effects on the liver and blood. Adjustments to reflect human variability and, where appropriate, the uncertainty of extrapolating from animals to humans have been made. The MRL provides a basis for comparison with levels that people might encounter in food. Exposure of humans to levels of PAHs below the estimated MRL is not expected to result in harmful (noncancer) health effects (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990). It should be recognized that uncertainties are associated with use of MRLs, particularly with respect to PAHs since estimates were based on data obtained with benzo(a)pyrene. It is well known that there are differences between different PAHs with regard to metabolism and, therefore, there may be significant toxicologic differences. MRLs have not been estimated for other routes of exposure (ATSDR, Toxicological Profile for Polyaromatic Hydrocarbons, 1990).

IRIS lists the chronic oral RfD for pyrene as 3.0E-02 mg/kg-day. HEAST lists a subchronic RfD of 3.0E-01 mg/kg-day. These values are based on a subchronic oral bioassay conducted in mice. Mice were gavaged with 0, 75, 125, or 250 mg/kg-day pyrene in corn oil for 13 weeks. Nephropathy, characterized by the presence of multiple foci of renal tubular regeneration, often accompanied by interstitial lymphocytic infiltrates and/or foci of interstitial fibrosis, was present in some mice from all groups (including the control group). The kidney lesions were described as mild or minimal in all dose groups. Relative and absolute kidney weights were reduced in the two higher dosage groups. Based on these results, the low dose (75 mg/kg-day) was considered a NOAEL and 125 mg/kg-day the LOAEL for nephropathy and decreased kidney weights.

An uncertainty factor of 3000 was applied to account for inter- and intra-species variability (10x each), use of a subchronic study for chronic derivation (10x), and the lack of toxicities in a second species and developmental/reproductive studies (3x). A confidence rating of low was given to the RfD due to the lack of supporting subchronic, chronic, and developmental/reproductive studies.

USEPA classifies pyrene as Group D -- Not Classifiable as to Human Carcinogenicity. This classification is based on a lack of human data and inadequate data from animal bioassays. Therefore, USEPA has not published a slope factor for pyrene. Although pyrene is a Group D carcinogen, indicating that insufficient information is available to classify it as a carcinogen, a slope factor of 5.91E-01 $(mg/kg\text{-}day)^{-1}$ was calculated by multiplying the slope factor for benzo(a)pyrene by the relative potency factor of 0.081 for pyrene (USEPA, 1988). It is recognized that this approach may be overly conservative.

Thallium

Thallium can affect the nervous system, lung, liver, and kidney if large amounts are ingested over short periods of time. Effects include temporary hair loss, vomiting, and diarrhea. Death may result if very large amounts are ingested (1 mg or greater). Chronic effects have not been determined. Animal reproductive organs, especially the testes, are damaged after drinking small amounts of thallium-contaminated water for 2 months. A minimal risk level of 0.003 ppm in water was derived from animal data from short-term exposure. MRLs provide a basis for comparison with levels that people might encounter in food or drinking water. Exposure to amounts below the MRL is not expected to cause harmful health effects (ATSDR, Toxicological Profile for Thallium, 1991).

Thallium forms complexes in solution with halogens, oxygen, and sulfur. The oral RfD for thallium sulfate is listed in IRIS as 8.0E-05 mg/kg/day. This value is based on a subchronic (90 day) oral study in which Sprague-Dawley rats were treated by gavage with 0, 0.01, 0.05, or 0.25 mg/kg-day. Dose-related increases in alopecia, lacrimation, and exophthalmos were observed throughout the study. Moderate dose-related changes were observed in blood chemistry parameters (SGOT, LDH, sodium, and sugar levels). The highest dose of thallium sulfate (0.25 mg/kg-day) was considered the NOAEL (converted to 0.20 mg/kg-day). An uncertainty factor of 3000, which adjusts

for intra- (10) and interspecies (10) variability, extrapolation of a subchronic effect level to a chronic level (10), and a factor of 3 to account for lack of reproductive and chronic toxicity was applied to the NOAEL to derive the RfD. The confidence level in the RfD is low because of uncertainties in the results and because supporting studies report health effects at doses slightly higher than the NOAEL.

Thallium sulfate is classified as Group D - Not Classifiable as to Human Carcinogenicity. This classification is based on a lack of carcinogenicity data in animals and humans.

Toluene

Toluene has the ability to dissolve fats. As a result, it causes pain when it comes in contact with the eye. Damage to the skin may occur upon dermal contact as a result of scattered loss of epithelial cells and solution of some of the fats that occur in these cells. Factory workers handling organic solvents such as toluene have been reported to have low sperm counts, abnormal sperm and varying degrees of infertility (Thomas, 1991). Toluene has also been reported to cause a decrement of pulmonary function (FEV_1) (Gordon and Amdur, 1991).

A chronic oral RfD value of 2.0E-01 mg/kg-day is listed in IRIS. The subchronic oral RfD listed in HEAST is 2.0E+00 mg/kg-day. These values are based primarily on a subchronic gavage study in which rats were administered varying doses of toluene for 13 weeks. All animals receiving the highest dose (5000 mg/kg) died within the first week. In males, absolute and relative weights of both the liver and kidney were significantly increased at doses greater than or equal to 625 mg/kg. Absolute and relative weights of the liver, kidney, and heart were significantly increased at doses greater than or equal to 1250 mg/kg in females. The NOAEL for this study was 312 mg/kg-day based on liver and kidney weight changes in male rats at 625 mg/kg. Because

the exposure was for 5 days/week, this dose is converted to 223 mg/kg-day. The LOAEL was 625 mg/kg, which is 446 mg/kg-day when converted.

An uncertainty factor of 1000 was applied to derive the RfD to account for inter- and intraspecies extrapolations, for subchronic to chronic extrapolation and for limited reproductive and developmental toxicity data. The level of confidence in the oral RfD was medium. This rating reflects that a sufficient number of animals/sex were tested in six dose groups and that many parameters were studied, but that there was no reproductive study and that the oral studies were all subchronic. The chronic RfC of 4.0E-01 mg/m^3 has been verified according to the new interim methods for developing RfCs and is listed in IRIS. The subchronic inhalation RfC is listed in HEAST as 2.0E+00 mg/m^3.

USEPA has classified toluene as Group D - Not Classifiable as to Human Carcinogenicity. This classification reflects the lack of human carcinogenicity data and inadequate animal data. Therefore, no slope factor is listed.

Trichloroethene

Dermal contact with trichloroethene can cause skin rash. Inhalation of large quantities of trichloroethene may cause dizziness, sleepiness, and ultimately, loss of consciousness. Damage to the nerves of the face have been reported in people exposed to high levels of trichloroethene. Currently it is uncertain whether these people are at a higher risk for developing cancer or birth defects. It has been reported that people who used water from a well contaminated with high concentrations of trichloroethene may have had an increased incidence of leukemia. It is unknown whether trichloroethene affects human reproduction (ATSDR, Draft Toxicological Profile for Trichloroethene, 1992).

USEPA has not established an oral RfD, inhalation RfD or inhalation RfC. Risk assessments are currently under review by an USEPA work group for noncarcinogenic effects resulting from trichloroethene exposure.

Debate surrounds the weight-of-evidence classification for trichloroethene and, at the present time, the USEPA has not adopted a final position. All toxicity values for trichloroethene have been withdrawn from IRIS and HEAST. Figure N-1 is a correspondence sent by the Superfund Risk Assessment Technical Support Center dated September 24, 1992 with guidance on the appropriate slope factor. The slope factors given in the 1991 HEAST were deemed appropriate for this assessment since the carcinogenic potential from trichloroethene should be considered when calculating risk.

2,4,5 -Trichlorophenoxyacetic Acid (2,4,5-T)

2,4,5-T has been a widely used herbicide and was used in the Vietnam War as Agent Orange. This compound has not been shown to be directly nephrotoxic but it may influence renal function. It appears to be actively transported by the organic anion secretory system and is capable of inhibiting organic anion transport. At high concentrations, this compound appears to inhibit cation transport as well (Menzer and Nelson, 1986).

An oral RfD of 1.0E-02 mg/kg-day was established for 2,4,5-T and listed in IRIS. This value was based primarily on two studies. Most information about the health effects of 2,4,5-T has been obtained from animal studies conducted on rodents. Groups of Sprague Dawley rats (50/sex) were maintained on diets supplying 0, 3, 10 or 30 mg 2,4,5-T/kg-day for two years. An increase in urinary excretion of coproporphyrins was observed in male rats receiving oral doses of 10 and 30 mg/kg/day and for females only at high doses. A NOAEL of 3 mg/kg-day and a LOAEL of 10 mg/kg/day was established. An uncertainty factor of 300 was applied to the NOAEL to derive an RfD

Trichloroethylene (TCE) (CASRN 79-01-6)

The current phase of the carcinogenicity characterization for trichloroethylene started with a July 1985 Health Assessment Document for Trichloroethylene, EPA# 600/8-82/006F which classified trichloroethylene in Weight-of-Evidence Group "B2 - Probable Human Carcinogen." Inhalation and oral upper bound risk estimates were provided. This information was verified on IRIS from 3/87 through 7/89. A June 1987 Addendum to the Health Assessment Document for Trichloroethylene, EPA# 600/8-82/006FA proposed that the Weight-of-Evidence finding of "B2" was further supported by newly available animal bioassay data and offered a minor revision to the inhalation upper bound risk estimate. In 1988 the Agency's Science Advisory Board offered an opinion that the weight-of-evidence was on C-B2 continuum (C=Possible Human Carcinogen, B2=Probable Human Carcinogen). The Agency withdrew the IRIS carcinogenicity file in 7/89 and has not adopted a current position on the weight-of-evidence classification.

The quantitative risk estimates provided in the 1985 Health Assessment Document and 1987 Addendum have been reviewed by the IRIS-Crave Workgroup but are not verified as such pending resolution of the weight-of-evidence classification. The upper bound risk values in these documents are as follows:

ORAL: 1985 HAD; Unit Risk = 3.2E-7 per μg/L
Slope Factor = 1.1E-2 per mg/kg/day

INHALATION: 1987 Addendum; Unit Risk = 1.7E-6 per μg/cu.m.
Slope Factor = 6.0E-3 per mg/kg/day

When the Agency adopts a current position on weight-of-evidence classification, the trichloroethylene file will be reentered on IRIS.

Figure N-1. Trichloroethylene (TCE)

and accounts for uncertainty in the extrapolation of dose levels from laboratory animals to humans (10X), uncertainty in the threshold for sensitive humans (10X) and uncertainty due to deficiencies in the chronic toxic data base (3X).

In a 3 generation reproduction study in which rats were fed 2,4,5-T at levels of 0, 3, 10, or 30 mg/kg-day, a reduction in neonatal survival was observed at the two higher doses. No effects were observed at 3 mg/kg-day. A LOAEL of 15 mg/kg with a NOAEL of 8 mg/kg for reduced fetal body weight was reported for mice. Fetal mortality was observed following administration of 2,4,5-T at 40 mg/kg to pregnant hamsters. High doses of approximately 200 mg/kg have been observed to induce frank teratogenic effects in rats. Consequently, a qualitative association between 2,4,5-T exposure and human birth defects has been suggested. The reproductive endpoint is well documented. An oral RfD confidence of medium (tending towards high) was established. This confidence rating reflects the mutual support of the two studies and strength of the reproductive data base. The relative weakness of the chronic toxicity data base precludes a higher confidence level.

The USEPA has not evaluated 2,4,5-T as to its carcinogenicity.

2,4,5-Trichlorophenoxy Propionic Acid (2,4,5-TP)

An oral RfD of 8E-03 mg/kg-day is listed in IRIS for 2,4,5-TP. The principal information about the health effects of 2,4,5-TP was obtained from animal studies conducted on dogs. Groups of four male and four female dogs were administered doses of 0, 0.75, 2.5 and 7.4 mg/kg-day of 2,4,5 -TP during a 2 year study. A NOEL of 30 ppm/day (0.75 mg/kg/day) and a LOAEL of 100 ppm (2.5 mg/kg/day) was established using histological changes in the liver as the critical effect. No adverse effects on growth, food consumption, hematological parameters, or other tissues were observed. An uncertainty factor of 100 was used to account for uncertainty in interspecies conversion (10X) and to protect sensitive individuals (10X). The confidence

rating for the RfD is medium and reflects that the study was well-designed and the NOAEL was defined in a sensitive species but that there was a limited number of animals tested.

2,4,5-TP is classified by USEPA as Group D - Not Classifiable as to Human Carcinogenicity. However, it should be noted that commercial 2,4,5-TP contains as a contaminant 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD), which is a known animal carcinogen.

Vanadium

Vanadium is used in making steel; thus, most exposure to vanadium occurs in workers involved with metallurgy and boiler cleaning. Workers chronically exposed have shown signs of mild respiratory distress such as coughing wheezing, chest pain, runny nose, or sore throat. In most cases, chest x-rays and pulmonary function tests were normal and no other systemic effects were observed. There are no studies available regarding dermal exposure to vanadium in humans or laboratory animals and there are limited studies investigating the oral toxicity of vanadium. These studies suggest that the compound is not very toxic by the oral route (ATSDR, Toxicological Profile of Vanadium, 1990).

HEAST lists an oral RfD of 7.0E-03 mg/kg-day for vanadium. This is based on a chronic drinking water study conducted in rodents. However, no effects were observed and this RfD is currently under review and subject to a change. The USEPA has not evaluated vanadium for carcinogenicity.

Zinc

Zinc is an important essential element and is only acutely toxic at relatively high levels. For most species, overt signs of toxicoses appear around 1000 ppm in a

natural-ingredient diet. Signs of intoxication may include gastrointestinal distress, emesis, decreased food consumption, decreased growth, anemia, poor bone mineralization, damage to the pancreas, arthritis, and internal hemorrhaging. Patients taking 10 times the Recommended Daily Allowance for zinc for a chronic duration have not shown any adverse health effects. Long-term inhalation exposure may produce gastrointestinal disturbances, clinically latent liver dysfunction, or bouts with metal fume fever; however, there is limited evidence in humans or laboratory animals supporting this (ATSDR, Toxicological Profile for Zinc, 1989).

IRIS lists an oral RfD of 3.0E-01 mg/kg-day for zinc. This value was based on a clinical study which investigated the effects of oral zinc supplements on copper and iron balance. This study is supported by several other studies which indicate that zinc supplementation can alter copper and iron biochemistry. Alterations in iron and copper balance are of concern since deficiencies have the potential to cause significant adverse effects such as anemia and alterations in high density lipoproteins, antioxidant defense mechanisms, and various enzyme activities. Declines in serum ferritin and hematocrit values have also been noted.

An intake of 50 mg/day (1.0 mg/kg-day) of supplemental zinc is considered a LOAEL. Healthy men given 25 mg of zinc twice daily for a 6-week duration displayed a significant decrease in erythrocyte superoxide dismutase. A NOAEL was not established in this study. An uncertainty factor of 3 was used in derivation of the RfD based on a minimal LOAEL from a moderate duration study of the most sensitive humans and consideration of a substance that is an essential nutrient. A confidence rating in the RfD of medium reflects that the clinical studies were well-conducted and investigated numerous biochemical parameters but that only a few people were tested. HEAST lists a subchronic RfD of 2.0E-01 mg/kg-day. This is based on a human study in which 2.14 mg/kg-day of zinc was administered for therapeutic reasons. Anemia was the critical effect.

Zinc is classified as Group D -- Not Classifiable as to Human Carcinogenicity. This classification reflects the lack of both human and animal evidence.

REFERENCES

1. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Aldrin/Dieldrin, 1991.

2. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Aluminum, 1991.

3. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Arsenic, 1992.

4. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Benzene, 1992.

5. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Benzo(a)Anthracene, 1990.

6. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Benzo(a)Pyrene, 1990.

7. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Carbon Disulfide, 1991.

8. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Copper, 1990.

9. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for p,p'-DDT, -DDE, -DDD, 1989.

10. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Endosulfan, Endosulfan Alpha, Endosulfan Beta, and Endosulfan Sulfate, 1991.

11. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Endrin/Endrin Aldehyde, 1990.

12. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Ethylbenzene, 1990.

13. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Heptachlor/Heptachlor Epoxide, 1992.

14. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Alpha-, Beta-, Gamma-, Delta-Hexachlorocyclohexane, 1989.

15. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for 2-Hexanone, 1991.

16. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Manganese, 1991.

17. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Methylene Chloride, 1992.

18. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Napthalene/2-Methylnapthalene, 1990.

19. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Polyaromatic Hydrocarbons, 1989.

20. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Polyaromatic Hydrocarbons, 1990.

21. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Thallium, 1991.

22. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Trichloroethene, 1992.

23. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Vanadium, 1990.

24. Agency for Toxic Substances and Disease Registry (ATSDR), Toxicological Profile for Zinc, 1989.

25. American Conference of Governmental Industrial Hygienists (ACGIH), Documentation of the Threshold/limit Values and Biological Exposure Indices, Fifth Edition, p. 402, 1991.

26. Dean, J.H., Murray, M.J., and Ward, E.C., 1991. Toxic Responses of the Immune System in: M.O. Amdur, J.D. Doull, and G.D. Klassen (Eds.) Casarett and Doull's Toxicology: The Basic Science of Poisons, fourth edition. Macmillan Publishing Co., New York, N.Y., pp.282-333.

27. Dixon, R.L., 1986. Toxic Responses of the Reproductive System in: Klaassen, C.D., Amdur, M.O., and Doull, J. (eds) Casarett and Doull's Toxicology: The Basic Science of Poisons, third edition. Macmillan Publishing Co., New York, N.Y.

28. Gordon, T., and Amdur, M.O., 1991. Responses of the Respiratory System to Toxic Agents in: Casarett and Doull's Toxicology: The Basic Science of Poisons, fourth edition. Macmillan Publishing Co., New York, New York.

29. Hawley, G.G. The Condensed Chemical Dictionary. Van Nostrand Reinhold Company, New York, New York, 1981.

30. Hewitt, W.R.; Brown, E.M.; and Plaa, G.L., 1983. Relationship between carbon skeleton length of ketonic solvents and potentiation of chloroform-induced hepatotoxicity in rats. Toxicol. Lett. 16:297-3-4, 1983.

31. Integrated Risk Information Service (IRIS), 1992. U.S. Environmental Protection Agency. Search dated September, 1992.

32. Kawachi, T., Yahagi, T., Kada, T., Tazima, Y., Ishidate, M., Sasaki, M., Sugiyama, T., 1980. Cooperative programme on short-term assays for carcinogenicity in Japan. In: Montesano, R., Bartsch, H., Tomatis, L. (eds). Molecular and Cellular Aspects of Carcinogen Screening, IARC Scientific Publication No. 27. Lyon, France: World Health Organization,

33. Klaasen, 1986. Principles of Toxicology in: Klaassen, C.D., Amdur, M.O., and Doull, J. (eds) Casarett and Doull's Toxicology: The Basic Science of Poisons, third edition. Macmillan Publishing Co., New York, N.Y.

34. Menzer, R.E., Nelson, J.O., 1986. Water and Soil Pollutants in: Klaassen, C.D., Amdur, M.O., and Doull, J. (eds) Casarett and Doull's Toxicology: The Basic Science of Poison, third edition. Macmillan Publishing Co., New York, New York.

35. Murphy, S.D., 1986. Toxic Effects of Pesticides in: Klaassen, C.D., Amdur, M.O., and Doull, J. (eds) Casarett and Doull's Toxicology: The Basic Sciences of Poison, third edition. Macmillon Publishing Co., New York, New York.

36. Norton, S., 1986. Toxic Responses of the Central Nervous System in: Klaassen, C.D., Amdur, M.O., and Doull, J. (eds) Casarett and Doull's Toxicology: The Basic Science of Poisons, third edition. Macmillan Publishing Co., New York, N.Y.

37. Thomas, J.A., 1991. Principles of Toxicology in: Klaassen, C.D., Amdur, M.O., and Doull, J. (eds) Casarett and Doull's Toxicology: The Basic Science of Poisons, fourth edition. Macmillan Publishing Co., New York, N.Y.

38. U.S. Environmental Protection Agency (USEPA, 1984). Health Effects Assessment for Toluene. USEPA/540/1-86/033, September.

39. U.S. Environmental Protection Agency (USEPA, 1988). Comparative Potency Approach for Estimating the Cancer Risk associated with Exposure to Mixtures of Polycyclicic Aromatic Hydrocarbons. Interim Final Report. Prepared by ICF-Clement Associates. Contract No. 68-02-

40. U.S. Environmental Protection Agency (USEPA, 1989). Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and -Dibenzofurans (CDDs and CDFs) and 1989 Update. USEPA/625/3-89/016, March 1989.

41. U.S. Environmental Protection Agency (USEPA, 1991). Drinking Water Regulations and Health Advisories. April, 1991.

42. U.S. Environmental Protection Agency (USEPA, 1992). Memorandum: Oral Reference Doses and Oral Slope Factors for JP-4, JP-5, Diesel Fuel, and Gasoline. Office of Research and Development Environmental Criteria and Assessment Office, Cincinnati, Ohio.

43. Williams, G.M. and Weisburger, J.H., 1991. Principles of Toxicology in: Klaassen, C.D., Amdur, M.O., and Doull, J. (eds) Casarett and Doull's Toxicology: The Basic Science of Poisons, fourth edition. Macmillan Publishing Co., New York, N.Y.

44. Woodward, Kevin. 1988. Phthalate Esters: Toxicity and Metabolism. Vol. 2. CRC Press, Inc., Boca Raton, Fl.

45. Worthing, C.R., 1983. The Pesticide Manual, seventh edition. British Crop Protection Council. Lavenham Press Limited, Lavenham, Suffolk.

APPENDIX O

EXPOSURE RISK MODEL OUTPUT

FOR LANDFILL NO. 25

CANNON AFB, CLOVIS, NEW MEXICO

Table O-1
Summary of Cancer Risks by Scenario, Cannon AFB, Clovis, New Mexico

Summary of Cancer Risks by Scenario		
LF25 Risk Assessment		
Chronic Exposure		
Scenario	Average	Reas. Max.
On-Site Worker - Present	6.70E-08	3.80E-07
Off-Site Residential Adult - Present	3.40E-08	1.10E-07
Off-Site Residential Adult - Future	1.60E-09	1.10E-08

Table O-2
Cancer Risk
Summary Cannon AFB, Clovis, New Mexico: LF No. 25

Average Cancer Risk									
On-Site Worker - Present									
	Inhalation of Ambient Air	Total	% Contrib						
4,4'-DDT	7.80E-12	7.80E-12	1.16E-02						
Arsenic	6.40E-08	6.40E-08	9.60E+01						
Benzene	2.70E-10	2.70E-10	3.97E-01						
Benzo(a)pyrene	4.10E-10	4.10E-10	6.16E-01						
beta-BHC	5.10E-12	5.10E-12	7.55E-03						
Heptachlor	1.20E-11	1.20E-11	1.76E-02						
Heptachlor epoxide	2.80E-11	2.80E-11	4.15E-02						
Methylene chloride	2.00E-09	2.00E-09	2.92						
Total by pathway	6.70E-08								
% Contribution by pathway	1.00E+02								
Scenario Total		6.70E-08							
Reas. Max. Cancer Risk									
On-Site Worker - Present									
	Inhalation of Ambient Air	Total	% Contrib						
4,4'-DDT	4.40E-11	4.40E-11	1.16E-02						
Arsenic	3.70E-07	3.70E-07	9.60E+01						
Benzene	1.50E-09	1.50E-09	3.97E-01						
Benzo(a)pyrene	2.40E-09	2.40E-09	6.16E-01						
beta-BHC	2.90E-11	2.90E-11	7.55E-03						
Heptachlor	6.70E-11	6.70E-11	1.76E-02						
Heptachlor epoxide	1.60E-10	1.60E-10	4.15E-02						
Methylene chloride	1.10E-08	1.10E-08	2.92						
Total by pathway	3.80E-07								
% Contribution by pathway	1.00E+02								
Scenario Total		3.80E-07							
Average Cancer Risk									
Off-Site Residential Adult - Present									
	Inhalation of Ambient Air	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib		
4,4'-DDD	0.00E+00	1.60E-18	2.90E-18	1.70E-17	1.10E-17	3.20E-17	9.32E-08		
4,4'-DDE	0.00E+00	2.10E-17	3.70E-17	6.60E-17	4.30E-17	1.70E-16	4.87E-07		
4,4'-DDT	3.80E-12	7.30E-18	1.30E-17	2.50E-16	1.60E-16	3.80E-12	1.10E-02		
Arsenic	3.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-08	8.79E+01		
Benzene	1.30E-09	0.00E+00	0.00E+00	5.00E-20	3.10E-20	1.30E-09	3.74		
Benzo(a)pyrene	1.90E-09	6.90E-17	1.20E-16	3.00E-15	1.90E-15	1.90E-09	5.61		
Benzo(b)fluoranthene	0.00E+00	1.80E-17	3.30E-17	1.50E-15	9.60E-16	2.50E-15	7.30E-06		
Benzo(k)fluoranthene	0.00E+00	5.80E-18	1.00E-17	1.20E-15	7.50E-16	2.00E-15	5.70E-06		
beta-BHC	2.50E-12	7.90E-16	1.40E-15	4.90E-18	4.30E-18	2.50E-12	7.16E-03		
Heptachlor	5.80E-12	2.30E-16	4.10E-16	3.00E-16	2.00E-16	5.80E-12	1.68E-02		
Heptachlor epoxide	1.40E-11	8.80E-17	1.60E-16	9.90E-17	6.70E-17	1.40E-11	3.98E-02		
Methylene chloride	9.20E-10	0.00E+00	0.00E+00	5.80E-21	3.60E-21	9.20E-10	2.68		
Pyrene	0.00E+00	2.30E-16	4.00E-16	1.50E-20	8.10E-17	7.10E-16	2.07E-06		
Total by pathway	3.40E-08	1.50E-15	2.60E-15	6.40E-15	4.20E-15				
% Contribution by pathway	1.00E+02	4.24E-06	7.57E-06	1.88E-05	1.22E-05				
Scenario Total						3.40E-08			

Table O-2
Cancer Risk
Summary Cannon AFB, Clovis, New Mexico: LF No. 25

Reas. Max Cancer Risk									
Off-Site Residential Adult-Present									
	Inhalation of Ambient Air	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib		
4,4'-DDD	0.00E+00	1.40E-17	2.60E-17	4.10E-16	2.30E-16	6.80E-16	5.91E-07		
4,4'-DDE	0.00E+00	1.80E-16	3.30E-16	1.60E-15	9.10E-16	3.00E-15	2.63E-06		
4,4'-DDT	1.30E-11	6.10E-17	1.20E-16	6.20E-15	3.40E-15	1.30E-11	1.10E-02		
Arsenic	1.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-07	8.79E+01		
Benzene	4.30E-09	0.00E+00	0.00E+00	1.20E-18	6.60E-19	4.30E-09	3.74		
Benzo(a)pyrene	6.40E-09	5.80E-16	1.10E-15	7.30E-14	4.00E-14	6.40E-09	5.61		
Benzo(b)fluoranthene	0.00E+00	1.50E-16	2.90E-16	3.70E-14	2.00E-14	5.70E-14	5.00E-05		
Benzo(k)fluoranthene	0.00E+00	4.90E-17	9.40E-17	2.90E-14	1.60E-14	4.50E-14	3.94E-05		
beta-BHC	8.20E-12	6.70E-15	1.30E-14	1.20E-16	9.10E-17	8.20E-12	7.17E-03		
Heptachlor	1.90E-11	1.90E-15	3.70E-15	7.20E-15	4.20E-15	1.90E-11	1.66E-02		
Heptachlor epoxide	4.60E-11	7.40E-16	1.40E-15	2.40E-15	1.40E-15	4.60E-11	3.98E-02		
Methylene chloride	3.10E-09	0.00E+00	0.00E+00	1.40E-19	7.60E-20	3.10E-09	2.68		
Pyrene	0.00E+00	1.90E-15	3.60E-15	3.80E-19	1.70E-15	7.20E-15	6.31E-06		
Total by pathway	1.10E-07	1.20E-14	2.30E-14	1.60E-13	8.80E-14				
% Contribution by pathway	1.00E+02	1.07E-05	2.03E-05	1.37E-04	7.65E-05				
Scenario Total						1.10E-07			
Average Cancer Risk									
Off-Site Residential Adult - Future									
	Ingestion of Groundwater	Inhalation while Showering	Dermal Contact while Showering	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDD	1.60E-23	0.00E+00	4.20E-23	2.30E-29	4.10E-29	1.50E-24	9.50E-25	6.10E-23	3.70E-12
4,4'-DDE	1.10E-22	0.00E+00	3.80E-22	2.50E-28	4.40E-28	5.00E-24	3.10E-24	5.00E-22	3.07E-11
4,4'-DDT	1.50E-19	3.10E-25	1.60E-18	1.40E-25	2.40E-25	3.10E-20	1.90E-20	2.00E-18	1.24E-07
Benzo(a)pyrene	2.00E-10	3.00E-16	1.40E-09	1.60E-16	2.90E-16	4.60E-11	2.90E-11	1.60E-09	1.00E+02
Benzo(b)fluoranthene	5.80E-36	0.00E+00	1.40E-35	3.80E-42	6.70E-42	2.00E-36	1.30E-36	2.30E-35	1.42E-24
Benzo(k)fluoranthene	2.20E-88	0.00E+00	3.00E-91	9.90E-95	1.80E-94	1.30E-88	8.50E-89	4.30E-88	2.64E-77
Heptachlor	3.40E-22	6.90E-28	3.30E-23	1.00E-27	1.80E-27	1.30E-27	8.60E-28	3.70E-22	2.25E-11
Heptachlor epoxide	7.80E-22	1.60E-27	7.60E-23	2.50E-27	4.40E-27	2.80E-27	1.90E-27	8.50E-22	5.20E-11
Methylene chloride	3.30E-44	1.50E-50	3.10E-45	0.00E+00	0.00E+00	8.50E-54	5.30E-54	3.60E-44	2.18E-33
Pyrene	1.50E-43	0.00E+00	2.10E-46	6.40E-49	1.20E-48	3.30E-49	2.30E-49	1.50E-43	9.23E-33
Total by pathway	2.00E-10	3.00E-16	1.40E-09	1.60E-16	2.90E-16	4.60E-11	2.90E-11		
% Contribution by pathway	1.19E+01	1.84E-05	8.35E+01	9.74E-06	1.74E-05	2.78	1.74		
Scenario Total								1.60E-09	
Reas. Max. Cancer Risk									
Off-Site Residential Adult - Future									
	Ingestion of Groundwater	Inhalation while Showering	Dermal Contact while Showering	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDD	7.80E-23	0.00E+00	2.90E-22	1.10E-28	2.20E-28	2.20E-23	1.20E-23	4.00E-22	3.51E-12
4,4'-DDE	5.50E-22	0.00E+00	2.70E-21	1.20E-27	2.40E-27	7.30E-23	3.90E-23	3.30E-21	2.88E-11
4,4'-DDT	7.30E-19	3.90E-24	1.30E-17	6.80E-25	1.30E-24	4.50E-19	2.40E-19	1.40E-17	1.23E-07
Benzo(a)pyrene	9.30E-10	4.20E-15	9.50E-09	8.00E-16	1.50E-15	6.70E-10	3.60E-10	1.10E-08	1.00E+02
Benzo(b)fluoranthene	2.80E-35	0.00E+00	9.80E-35	1.90E-41	3.60E-41	3.00E-35	1.60E-35	1.70E-34	1.49E-24
Benzo(k)fluoranthene	1.00E-87	0.00E+00	2.10E-90	5.00E-94	9.40E-94	2.00E-87	1.10E-87	4.10E-87	3.52E-77
Heptachlor	1.60E-21	8.70E-27	2.30E-22	5.10E-27	9.70E-27	1.90E-26	1.10E-26	1.80E-21	1.60E-11
Heptachlor epoxide	3.70E-21	2.00E-26	5.30E-22	1.20E-26	2.40E-26	4.10E-26	2.30E-26	4.20E-21	3.69E-11
Methylene chloride	1.60E-43	1.90E-49	2.10E-44	0.00E+00	0.00E+00	1.20E-52	6.70E-53	1.80E-43	1.54E-33
Pyrene	7.20E-43	0.00E+00	1.50E-45	3.20E-48	6.10E-48	4.90E-48	2.90E-48	7.20E-43	6.29E-33
Total by pathway	9.30E-10	4.20E-15	9.50E-09	8.00E-16	1.50E-15	6.70E-10	3.60E-10		
% Contribution by pathway	8.13	3.65E-05	8.30E+01	6.97E-06	1.33E-05	5.8	3.11		
Scenario Total								1.10E-08	

Table O-3
Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

Cancer Risk Estimates									
LF25 Risk Assessment									
Scenario									
	Activity								
		Pathway							
On-Site Worker - Present									
	Working in LF25								
		InhalationOfVapor: Vapor onsite worker							
			Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
			Contaminant*	SFC	Evidence	Average EAC	Reas. Max. EAC	Average Risk	Reas. Max. Risk
			4,4'-DDT*	9.70E-05	B2	8.02E-08	4.58E-07	7.80E-12	4.40E-11
			Arsenic*	4.30E-03	A	1.49E-05	8.54E-05	6.40E-08	3.70E-07
			Benzene*	8.30E-06	A	3.20E-05	1.83E-04	2.70E-10	1.50E-09
			Benzo(a)pyrene*	1.70E-03	B2	2.43E-07	1.39E-06	4.10E-10	2.40E-09
			beta-BHC*	5.30E-04	C	9.54E-09	5.45E-08	5.10E-12	2.90E-11
			Heptachlor*	1.30E-03	B2	9.04E-09	5.17E-08	1.20E-11	6.70E-11
			Heptachlor epoxide*	2.60E-03	B2	1.07E-08	6.11E-08	2.80E-11	1.60E-10
			Methylene chloride*	5.00E-07	B2	3.91E-03	2.24E-02	2.00E-09	1.10E-08
Off-Site Residential Adult - Present									
	Living downgradient of LF25								
		InhalationOfVapor: Vapor offsite							
			Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
			Contaminant*	SFC	Evidence	Average EAC	Reas. Max. EAC	Average Risk	Reas. Max. Risk
			4,4'-DDT*	9.70E-05	B2	3.91E-08	1.30E-07	3.80E-12	1.30E-11
			Arsenic*	4.30E-03	A	7.04E-06	2.35E-05	3.00E-08	1.00E-07
			Benzene*	8.30E-06	A	1.55E-04	5.18E-04	1.30E-09	4.30E-09
			Benzo(a)pyrene*	1.70E-03	B2	1.14E-06	3.79E-06	1.90E-09	6.40E-09
			beta-BHC*	5.30E-04	C	4.65E-09	1.55E-08	2.50E-12	8.20E-12
			Heptachlor*	1.30E-03	B2	4.45E-09	1.48E-08	5.80E-12	1.90E-11
			Heptachlor epoxide*	2.60E-03	B2	5.28E-09	1.76E-08	1.40E-11	4.60E-11
			Methylene chloride*	5.00E-07	B2	1.85E-03	6.16E-03	9.20E-10	3.10E-09
		IngestionOfFruitAndVeg: Fruits offsite - present							
			Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
			4,4'-DDD	2.40E-01	B2	6.81E-18	5.72E-17	1.60E-18	1.40E-17
			4,4'-DDE	3.40E-01	B2	6.16E-17	5.15E-16	2.10E-17	1.80E-16
			4,4'-DDT	3.40E-01	B2	2.14E-17	1.80E-16	7.30E-18	6.10E-17
			Benzo(a)pyrene	7.3	B2	9.52E-18	7.96E-17	6.90E-17	5.80E-16
			Benzo(b)fluoranthene	1.02	B2	1.80E-17	1.51E-16	1.80E-17	1.50E-16
			Benzo(k)fluoranthene	4.82E-01	B2	1.21E-17	1.02E-16	5.80E-18	4.90E-17
			beta-BHC	1.8	C	4.41E-16	3.70E-15	7.90E-16	6.70E-15
			Heptachlor	4.5	B2	5.08E-17	4.27E-16	2.30E-16	1.90E-15
			Heptachlor epoxide	9.1	B2	9.67E-18	8.14E-17	8.80E-17	7.40E-16
			Pyrene	5.91E-01	D	3.84E-16	3.23E-15	2.30E-16	1.90E-15
		IngestionOfFruitAndVeg: Vegetables offsite - present							
			Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
			4,4'-DDD	2.40E-01	B2	1.22E-17	1.09E-16	2.90E-18	2.60E-17
			4,4'-DDE	3.40E-01	B2	1.10E-16	9.82E-16	3.70E-17	3.30E-16
			4,4'-DDT	3.40E-01	B2	3.82E-17	3.43E-16	1.30E-17	1.20E-16
			Benzo(a)pyrene	7.3	B2	1.70E-17	1.52E-16	1.20E-16	1.10E-15
			Benzo(b)fluoranthene	1.02	B2	3.21E-17	2.87E-16	3.30E-17	2.90E-16
			Benzo(k)fluoranthene	4.82E-01	B2	2.17E-17	1.95E-16	1.00E-17	9.40E-17
			beta-BHC	1.8	C	7.87E-16	7.05E-15	1.40E-15	1.30E-14
			Heptachlor	4.5	B2	9.07E-17	8.13E-16	4.10E-16	3.70E-15
			Heptachlor epoxide	9.1	B2	1.73E-17	1.55E-16	1.60E-16	1.40E-15
			Pyrene	5.91E-01	D	6.85E-16	6.15E-15	4.00E-16	3.60E-15

Table O-3
Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

		IngestionOfMeatEggsAndDairy: Meat offsite							
			Contaminant	SF	Evidence	Average CDI	Rees. Max. CDI	Average Risk	Rees. Max. Risk
			4,4'-DDD	2.40E-01	B2	6.98E-17	1.71E-15	1.70E-17	4.10E-16
			4,4'-DDE	3.40E-01	B2	1.94E-16	4.73E-15	6.60E-17	1.60E-15
			4,4'-DDT	3.40E-01	B2	7.40E-16	1.81E-14	2.50E-16	6.20E-15
			Benzene	2.90E-02	A	1.73E-18	4.24E-17	5.00E-20	1.20E-18
			Benzo(a)pyrene	7.3	B2	4.09E-16	1.00E-14	3.00E-15	7.30E-14
			Benzo(b)fluoranthene	1.02	B2	1.48E-15	3.61E-14	1.50E-15	3.70E-14
			Benzo(k)fluoranthene	4.82E-01	B2	2.47E-15	6.07E-14	1.20E-15	2.90E-14
			beta-BHC	1.8	C	2.74E-18	6.71E-17	4.90E-18	1.20E-16
			Heptachlor	4.5	B2	6.60E-17	1.61E-15	3.00E-16	7.20E-15
			Heptachlor epoxide	9.1	B2	1.08E-17	2.66E-16	9.90E-17	2.40E-15
			Methylene chloride	7.50E-03	B2	7.71E-19	1.89E-17	5.80E-21	1.40E-19
			Pyrene	5.91E-01	D	2.62E-20	6.42E-19	1.50E-20	3.80E-19
		IngestionOfMeatEggsAndDairy: Milk offsite							
			Contaminant	SF	Evidence	Average CDI	Rees. Max. CDI	Average Risk	Rees. Max. Risk
			4,4'-DDD	2.40E-01	B2	4.52E-17	9.48E-16	1.10E-17	2.30E-16
			4,4'-DDE	3.40E-01	B2	1.28E-16	2.66E-15	4.30E-17	9.10E-16
			4,4'-DDT	3.40E-01	B2	4.74E-16	9.99E-15	1.60E-16	3.40E-15
			Benzene	2.90E-02	A	1.08E-18	2.28E-17	3.10E-20	6.60E-19
			Benzo(a)pyrene	7.3	B2	2.61E-16	5.48E-15	1.90E-15	4.00E-14
			Benzo(b)fluoranthene	1.02	B2	9.39E-16	1.97E-14	9.60E-16	2.00E-14
			Benzo(k)fluoranthene	4.82E-01	B2	1.56E-15	3.29E-14	7.50E-16	1.60E-14
			beta-BHC	1.8	C	2.41E-18	5.03E-17	4.30E-18	9.10E-17
			Heptachlor	4.5	B2	4.45E-17	9.28E-16	2.00E-16	4.20E-15
			Heptachlor epoxide	9.1	B2	7.37E-18	1.55E-16	6.70E-17	1.40E-15
			Methylene chloride	7.50E-03	B2	4.81E-19	1.01E-17	3.60E-21	7.60E-20
			Pyrene	5.91E-01	D	1.37E-16	2.88E-15	8.10E-17	1.70E-15
Off-Site Residential Adult - Future									
	Living downgradient of LF25								
		IngestionOfDrinkingWater: Groundwater offsite - future							
			Contaminant	SF	Evidence	Average CDI	Rees. Max. CDI	Average Risk	Rees. Max. Risk
			4,4'-DDD	2.40E-01	B2	6.81E-23	3.24E-22	1.60E-23	7.80E-23
			4,4'-DDE	3.40E-01	B2	3.38E-22	1.61E-21	1.10E-22	5.50E-22
			4,4'-DDT	3.40E-01	B2	4.49E-19	2.14E-18	1.50E-19	7.30E-19
			Benzo(a)pyrene	7.3	B2	2.69E-11	1.28E-10	2.00E-10	9.30E-10
			Benzo(b)fluoranthene	1.02	B2	5.70E-36	2.72E-35	5.80E-36	2.80E-35
			Benzo(k)fluoranthene	4.82E-01	B2	4.46E-88	2.13E-87	2.20E-88	1.00E-87
			Heptachlor	4.5	B2	7.50E-23	3.57E-22	3.40E-22	1.60E-21
			Heptachlor epoxide	9.1	B2	8.56E-23	4.07E-22	7.80E-22	3.70E-21
			Methylene chloride	7.50E-03	B2	4.36E-42	2.08E-41	3.30E-44	1.60E-43
			Pyrene	5.91E-01	D	2.56E-43	1.22E-42	1.50E-43	7.20E-43
		InhalationOfVapor: Shower Vapors offsite - future							
			Contaminant	SF	Evidence	Average CDI	Rees. Max. CDI	Average Risk	Rees. Max. Risk
			Contaminant*	SFC	Evidence	Average EAC	Rees. Max. EAC	Average Risk	Rees. Max. Risk
			4,4'-DDT*	9.70E-05	B2	3.18E-21	3.98E-20	3.10E-25	3.90E-24
			Benzo(a)pyrene*	1.70E-03	B2	1.78E-13	2.47E-12	3.00E-16	4.20E-15
			Heptachlor*	1.30E-03	B2	5.28E-25	6.66E-24	6.90E-28	8.70E-27
			Heptachlor epoxide*	2.60E-03	B2	6.04E-25	7.59E-24	1.60E-27	2.00E-26
			Methylene chloride*	5.00E-07	B2	3.09E-44	3.89E-43	1.50E-50	1.90E-49

Table O-3
Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

		DermalContactWithWater: Groundwater offsite - future						
		Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
		4,4'-DDD	2.40E-01	B2	1.75E-22	1.22E-21	4.20E-23	2.90E-22
		4,4'-DDE	3.40E-01	B2	1.12E-21	7.80E-21	3.80E-22	2.70E-21
		4,4'-DDT	3.40E-01	B2	5.41E-18	3.76E-17	1.80E-18	1.30E-17
		Benzo(a)pyrene	7.3	B2	1.88E-10	1.31E-09	1.40E-09	9.50E-09
		Benzo(b)fluoranthene	1.02	B2	1.38E-35	9.62E-35	1.40E-35	9.80E-35
		Benzo(k)fluoranthene	4.82E-01	B2	6.23E-91	4.33E-90	3.00E-91	2.10E-90
		Heptachlor	4.5	B2	7.34E-24	5.10E-23	3.30E-23	2.30E-22
		Heptachlor epoxide	9.1	B2	8.38E-24	5.82E-23	7.60E-23	5.30E-22
		Methylene chloride	7.50E-03	B2	4.08E-43	2.83E-42	3.10E-45	2.10E-44
		Pyrene	5.91E-01	D	3.58E-46	2.49E-45	2.10E-46	1.50E-45
		IngestionOfFruitAndVeg: Fruits offsite - future						
		Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
		4,4'-DDD	2.40E-01	B2	9.47E-29	4.73E-28	2.30E-29	1.10E-28
		4,4'-DDE	3.40E-01	B2	7.30E-28	3.65E-27	2.50E-28	1.20E-27
		4,4'-DDT	3.40E-01	B2	3.98E-25	1.99E-24	1.40E-25	6.80E-25
		Benzo(a)pyrene	7.3	B2	2.19E-17	1.10E-16	1.60E-16	8.00E-16
		Benzo(b)fluoranthene	1.02	B2	3.68E-42	1.84E-41	3.80E-42	1.90E-41
		Benzo(k)fluoranthene	4.82E-01	B2	2.06E-94	1.03E-93	9.90E-95	5.00E-94
		Heptachlor	4.5	B2	2.25E-28	1.13E-27	1.00E-27	5.10E-27
		Heptachlor epoxide	9.1	B2	2.71E-28	1.36E-27	2.50E-27	1.20E-26
		Pyrene	5.91E-01	D	1.09E-48	5.45E-48	6.40E-49	3.20E-48
		Ingestion Of Fruit And Veg: Vegetables offsite - future						
		Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
		4,4'-DDD	2.40E-01	B2	1.69E-28	9.02E-28	4.10E-29	2.20E-28
		4,4'-DDE	3.40E-01	B2	1.30E-27	6.95E-27	4.40E-28	2.40E-27
		4,4'-DDT	3.40E-01	B2	7.11E-25	3.79E-24	2.40E-25	1.30E-24
		Benzo(a)pyrene	7.3	B2	3.92E-17	2.09E-16	2.90E-16	1.50E-15
		Benzo(b)fluoranthene	1.02	B2	6.57E-42	3.50E-41	6.70E-42	3.60E-41
		Benzo(k)fluoranthene	4.82E-01	B2	3.67E-94	1.96E-93	1.80E-94	9.40E-94
		Heptachlor	4.5	B2	4.02E-28	2.15E-27	1.80E-27	9.70E-27
		Heptachlor epoxide	9.1	B2	4.84E-28	2.58E-27	4.40E-27	2.40E-26
		Pyrene	5.91E-01	D	1.95E-48	1.04E-47	1.20E-48	6.10E-48
		IngestionOfMeatEggsAndDairy: Meat offsite - future						
		Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
		4,4'-DDD	2.40E-01	B2	6.30E-24	9.21E-23	1.50E-24	2.20E-23
		4,4'-DDE	3.40E-01	B2	1.47E-23	2.14E-22	5.00E-24	7.30E-23
		4,4'-DDT	3.40E-01	B2	9.11E-20	1.33E-18	3.10E-20	4.50E-19
		Benzo(a)pyrene	7.3	B2	6.26E-12	9.14E-11	4.60E-11	6.70E-10
		Benzo(b)fluoranthene	1.02	B2	2.00E-36	2.93E-35	2.00E-36	3.00E-35
		Benzo(k)fluoranthene	4.82E-01	B2	2.79E-88	4.08E-87	1.30E-88	2.00E-87
		Heptachlor	4.5	B2	2.92E-28	4.26E-27	1.30E-27	1.90E-26
		Heptachlor epoxide	9.1	B2	3.05E-28	4.45E-27	2.80E-27	4.10E-26
		Methylene chloride	7.50E-03	B2	1.14E-51	1.66E-50	8.50E-54	1.20E-52
		Pyrene	5.91E-01	D	5.65E-49	8.26E-48	3.30E-49	4.90E-48
		IngestionOfMeatEggsAndDairy: Milk offsite - future						
		Contaminant	SF	Evidence	Average CDI	Reas. Max. CDI	Average Risk	Reas. Max. Risk
		4,4'-DDD	2.40E-01	B2	3.95E-24	4.94E-23	9.50E-25	1.20E-23
		4,4'-DDE	3.40E-01	B2	9.16E-24	1.15E-22	3.10E-24	3.90E-23
		4,4'-DDT	3.40E-01	B2	5.71E-20	7.13E-19	1.90E-20	2.40E-19
		Benzo(a)pyrene	7.3	B2	3.92E-12	4.90E-11	2.90E-11	3.60E-10
		Benzo(b)fluoranthene	1.02	B2	1.26E-36	1.57E-35	1.30E-36	1.60E-35
		Benzo(k)fluoranthene	4.82E-01	B2	1.75E-88	2.19E-87	8.50E-89	1.10E-87
		Heptachlor	4.5	B2	1.96E-28	2.45E-27	8.80E-28	1.10E-26
		Heptachlor epoxide	9.1	B2	2.06E-28	2.58E-27	1.90E-27	2.30E-26
		Methylene chloride	7.50E-03	B2	7.10E-52	8.87E-51	5.30E-54	6.70E-53
		Pyrene	5.91E-01	D	3.90E-49	4.88E-48	2.30E-49	2.90E-48

Table O-4
Summary of Non-Cancer Risks by Scenario Cannon AFB, Clovis, New Mexico

Summary of Non-Cancer Risks by Scenario		
LF25 Risk Assessment		
Chronic Exposure		
Scenario	Average	Reas. Max.
On-Site Worker - Present	6.70E-03	3.90E-02
Off-Site Residential Adult - Present	8.80E-03	8.80E-03
Off-Site Residential Child - Present	8.80E-03	8.80E-03
Off-Site Residential Adult - Future	1.90E-01	2.80E-01
Off-Site Residential Child - Future	6.30E-01	6.50E-01
Summary of Non-Cancer Risks by Scenario		
LF25 Risk Assessment		
Subchronic Exposure		
Scenario	Average	Reas. Max.
Worker-Subchronic	6.70E-03	3.90E-02
On-Site Construction Worker - Future	4.00E-02	2.60E-01

Table O-5
Non-Cancer
Hazard Index Summary Cannon AFB, Clovis, New Mexico: LF No. 25

Average Non-Cancer Hazard Index Summary									
On-Site Worker - Present									
	Inhalation of Ambient Air	Total	% Contrib						
Manganese	6.70E-03	6.70E-03	9.99E+01						
Methylene chloride	3.70E-08	3.70E-08	5.42E-02						
Toluene	3.10E-08	3.10E-08	4.55E-02						
Total by pathway	6.70E-03								
% Contribution by pathway	1.00E+02								
Scenario Total		6.70E-03							
Rees. Max. Non-Cancer Hazard Index Summary									
On-Site Worker - Present									
	Inhalation of Ambient Air	Total	% Contrib						
Manganese	3.80E-02	3.80E-02	9.99E+01						
Methylene chloride	2.10E-05	2.10E-05	5.42E-02						
Toluene	1.80E-05	1.80E-05	4.55E-02						
Total by pathway	3.90E-02								
% Contribution by pathway	1.00E+02								
Scenario Total		3.90E-02							
Average Non-Cancer Hazard Index Summary									
Worker-Subchronic									
	Inhalation of Ambient Air	Total	% Contrib						
Manganese	6.70E-03	6.70E-03	9.99E+01						
Methylene chloride	3.70E-08	3.70E-08	5.42E-02						
Toluene	6.10E-07	6.10E-07	9.10E-03						
Total by pathway	6.70E-03								
% Contribution by pathway	1.00E+02								
Scenario Total		6.70E-03							
Rees. Max. Non-Cancer Hazard Index Summary									
Worker-Subchronic									
	Inhalation of Ambient Air	Total	% Contrib						
Manganese	3.80E-02	3.80E-02	9.99E+01						
Methylene chloride	2.10E-05	2.10E-05	5.42E-02						
Toluene	3.50E-08	3.50E-08	9.10E-03						
Total by pathway	3.90E-02								
% Contribution by pathway	1.00E+02								
Scenario Total		3.90E-02							
Average Non-Cancer Hazard Index Summary									
Off-Site Residential Adult - Present									
	Inhalation of AmbientAir	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib		
4,4'-DDT	0.00E+00	3.30E-13	5.90E-13	1.20E-11	7.40E-12	2.00E-11	2.25E-07		
Arsenic	0.00E+00	8.80E-10	1.00E-08	1.60E-09	1.00E-10	1.30E-08	1.47E-04		
Fluoranthene	0.00E+00	1.10E-13	2.00E-13	2.20E-14	1.80E-14	3.50E-13	3.98E-09		
Heptachlor	0.00E+00	7.90E-13	1.40E-12	1.00E-12	6.90E-13	3.90E-12	4.45E-08		
Heptachlor epoxide	0.00E+00	5.80E-12	1.00E-11	6.50E-12	4.40E-12	2.70E-11	3.07E-07		
Manganese (food)	8.80E-03	0.00E+00	7.50E-11	5.80E-13	1.40E-12	8.80E-03	9.99E+01		
Manganese (water)	0.00E+00	4.00E-10	0.00E+00	0.00E+00	0.00E+00	4.00E-10	4.50E-06		
Methylene chloride	4.80E-08	0.00E+00	0.00E+00	1.00E-16	6.20E-17	4.80E-08	5.44E-02		
Pyrene	0.00E+00	9.90E-14	1.80E-13	6.80E-16	3.80E-14	3.10E-13	3.55E-09		
Thallium	0.00E+00	7.20E-11	1.30E-09	4.40E-13	3.50E-09	4.90E-09	5.55E-06		
Toluene	4.00E-08	0.00E+00	0.00E+00	5.00E-17	9.70E-16	4.00E-08	4.55E-02		
Vanadium	0.00E+00	1.10E-09	3.60E-09	6.80E-13	7.10E-09	1.20E-08	1.33E-04		
Zinc	0.00E+00	1.10E-08	7.10E-09	5.70E-14	3.40E-09	2.10E-08	2.43E-04		
Total by pathway	8.80E-03	1.30E-08	2.30E-08	1.80E-09	1.40E-08				
% Contribution by pathway	1.00E+02	1.52E-04	2.58E-04	1.80E-06	1.60E-04				
Scenario Total						8.80E-03			

Table O-5
Non-Cancer
Hazard Index Summary Cannon AFB, Clovis, New Mexico: LF No. 25

Rees. Max. Non-Cancer Hazard Index Summary
Off-Site Residential Adult - Present

	Inhalation of AmbientAir	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDT	0.00E+00	8.40E-13	1.80E-12	8.50E-11	4.70E-11	1.30E-10	1.52E-06
Arsenic	0.00E+00	2.20E-09	2.80E-08	1.20E-08	6.50E-10	4.20E-08	4.82E-04
Fluoranthene	0.00E+00	2.80E-13	5.40E-13	1.60E-13	9.90E-14	1.10E-12	1.23E-09
Heptachlor	0.00E+00	2.00E-12	3.60E-12	7.50E-12	4.30E-12	1.80E-11	2.00E-07
Heptachlor epoxide	0.00E+00	1.50E-11	2.60E-11	4.60E-11	2.80E-11	1.20E-10	1.34E-06
Manganese (food)	8.80E-03	0.00E+00	2.00E-10	4.10E-12	8.70E-12	8.80E-03	9.99E+01
Manganese (water)	0.00E+00	5.90E-10	0.00E+00	0.00E+00	0.00E+00	5.90E-10	6.75E-06
Methylene chloride	4.80E-06	0.00E+00	0.00E+00	7.30E-16	3.90E-16	4.80E-06	5.44E-02
Pyrene	0.00E+00	2.50E-13	4.60E-13	5.00E-17	2.20E-13	9.50E-13	1.08E-09
Thallium	0.00E+00	1.80E-10	3.50E-10	3.20E-12	2.20E-08	2.30E-08	2.58E-04
Toluene	4.00E-06	0.00E+00	0.00E+00	3.70E-16	6.10E-15	4.00E-06	4.55E-02
Vanadium	0.00E+00	2.70E-09	9.50E-09	6.50E-12	4.50E-08	5.70E-08	6.48E-04
Zinc	0.00E+00	2.70E-08	1.90E-08	4.20E-13	2.10E-08	6.80E-08	7.70E-04
Total by pathway	8.80E-03	3.30E-08	5.70E-08	1.20E-08	6.90E-08		
% Contribution by pathway	1.00E+02	3.77E-04	6.52E-04	1.33E-04	1.01E-03		
Scenario Total						8.80E-03	

Average Non-Cancer Hazard Index Summary
Off-Site Residential Child - Present

	Inhalation AmbientAir	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDT	0.00E+00	1.60E-12	2.60E-12	2.70E-11	3.40E-11	6.60E-11	7.45E-07
Arsenic	0.00E+00	4.10E-09	4.90E-08	3.70E-09	4.80E-10	5.70E-08	6.48E-04
Fluoranthene	0.00E+00	5.20E-13	9.30E-13	5.20E-14	7.40E-14	1.60E-12	1.80E-09
Heptachlor	0.00E+00	3.70E-12	6.60E-12	2.40E-12	3.20E-12	1.60E-11	1.81E-07
Heptachlor epoxide	0.00E+00	2.70E-11	4.80E-11	1.50E-11	2.10E-11	1.10E-10	1.26E-06
Manganese (food)	8.80E-03	0.00E+00	3.50E-10	1.30E-12	6.50E-12	8.80E-03	9.99E+01
Manganese (water)	0.00E+00	1.90E-09	0.00E+00	0.00E+00	0.00E+00	1.90E-09	2.10E-05
Methylene chloride	4.80E-06	0.00E+00	0.00E+00	2.30E-16	2.90E-16	4.80E-06	5.44E-02
Pyrene	0.00E+00	4.60E-13	8.30E-13	1.60E-17	1.70E-13	1.50E-12	1.66E-09
Thallium	0.00E+00	3.40E-10	6.00E-09	1.00E-12	1.60E-08	2.30E-08	2.59E-04
Toluene	4.00E-06	0.00E+00	0.00E+00	1.20E-16	4.50E-15	4.00E-06	4.55E-02
Vanadium	0.00E+00	5.10E-09	1.70E-08	2.10E-12	3.30E-08	5.50E-08	6.22E-04
Zinc	0.00E+00	5.10E-08	3.30E-08	1.30E-13	1.60E-08	1.00E-07	1.14E-03
Total by pathway	8.80E-03	6.20E-08	1.10E-07	3.70E-09	6.60E-08		
% Contribution by pathway	1.00E+02	7.07E-04	1.19E-03	4.21E-05	7.49E-04		
Scenario Total						8.80E-03	

Rees. Max. Non-Cancer Hazard Index Summary
Off-Site Residential Child - Present

	Inhalation AmbientAir	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDT	0.00E+00	3.90E-12	7.50E-12	2.00E-10	2.20E-10	4.30E-10	4.84E-06
Arsenic	0.00E+00	1.00E-08	1.30E-07	2.70E-08	3.00E-09	1.70E-07	1.95E-03
Fluoranthene	0.00E+00	1.30E-12	2.50E-12	3.80E-13	4.60E-13	4.70E-12	5.29E-09
Heptachlor	0.00E+00	9.30E-12	1.80E-11	1.80E-11	2.00E-11	6.50E-11	7.35E-07
Heptachlor epoxide	0.00E+00	6.80E-11	1.30E-10	1.10E-10	1.30E-10	4.40E-10	4.99E-06
Manganese (food)	8.80E-03	0.00E+00	9.40E-10	9.70E-12	4.10E-11	8.80E-03	9.99E+01
Manganese (water)	0.00E+00	2.80E-09	0.00E+00	0.00E+00	0.00E+00	2.80E-09	3.15E-05
Methylene chloride	4.80E-06	0.00E+00	0.00E+00	1.70E-15	1.80E-15	4.80E-06	5.44E-02
Pyrene	0.00E+00	1.20E-12	2.20E-12	1.20E-16	1.00E-12	4.50E-12	5.05E-09
Thallium	0.00E+00	8.50E-10	1.60E-09	7.60E-12	1.00E-07	1.10E-07	1.20E-03
Toluene	4.00E-06	0.00E+00	0.00E+00	8.80E-16	2.80E-14	4.00E-06	4.55E-02
Vanadium	0.00E+00	1.30E-08	4.50E-08	1.50E-11	2.10E-07	2.70E-07	3.02E-03
Zinc	0.00E+00	1.30E-07	8.90E-08	9.90E-13	9.90E-08	3.20E-07	3.59E-03
Total by pathway	8.80E-03	1.50E-07	2.70E-07	2.70E-08	4.10E-07		
% Contribution by pathway	1.00E+02	1.76E-03	3.04E-03	3.10E-04	4.71E-03		
Scenario Total						8.80E-03	

Table O-5
Non-Cancer
Hazard Index Summary Cannon AFB, Clovis, New Mexico: LF No. 25

Average Non-Cancer Hazard Index Summary
On-Site Construction Worker - Future

	Inhalation of Ambient Air	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
4,4'-DDT	0.00E+00	3.40E-06	3.30E-05	3.70E-05	9.24E-02
Arsenic	0.00E+00	4.40E-03	4.40E-04	4.90E-03	1.22E+01
Diesel	0.00E+00	5.30E-04	5.20E-03	5.80E-03	1.45E+01
Fluoranthene	0.00E+00	2.60E-10	7.80E-10	1.00E-09	2.64E-06
Heptachlor	0.00E+00	4.80E-07	4.80E-06	5.20E-06	1.32E-02
Heptachlor epoxide	0.00E+00	2.10E-05	2.10E-04	2.30E-04	5.75E-01
Manganese (food)	2.40E-02	4.30E-04	4.30E-04	2.50E-02	6.22E+01
MCPP	0.00E+00	1.60E-04	1.60E-03	1.80E-03	4.53
Methylene chloride	3.40E-06	4.90E-06	4.70E-07	3.90E-06	9.91E-03
Pyrene	0.00E+00	3.50E-10	1.00E-09	1.40E-09	3.49E-06
Toluene	5.70E-07	1.70E-09	1.70E-08	5.90E-07	1.49E-03
Vanadium	0.00E+00	1.10E-03	1.10E-03	2.30E-03	5.73
Zinc	0.00E+00	3.90E-05	3.90E-05	7.80E-05	1.96E-01
Total by pathway	2.40E-02	6.70E-03	9.10E-03		
% Contribution by pathway	6.00E+01	1.70E+01	2.30E+01		
Scenario Total				4.00E-02	

Resa. Max. Non-Cancer Hazard Index Summary
On-Site Construction Worker - Future

	Inhalation of Ambient Air	Ingestion of Soil	Dermal Contact with Soil	Total	% Contrib
4,4'-DDT	0.00E+00	3.40E-05	8.30E-05	1.20E-04	4.49E-02
Arsenic	0.00E+00	4.40E-02	1.10E-03	4.50E-02	1.73E+01
Diesel	0.00E+00	5.30E-03	1.30E-02	1.80E-02	7.05
Fluoranthene	0.00E+00	2.60E-09	2.00E-09	4.60E-09	1.76E-06
Heptachlor	0.00E+00	4.80E-06	1.20E-05	1.70E-05	6.42E-03
Heptachlor epoxide	0.00E+00	2.10E-04	5.20E-04	7.30E-04	2.79E-01
Manganese (food)	1.70E-01	4.30E-03	1.10E-03	1.80E-01	6.74E+01
MCPP	0.00E+00	1.60E-03	4.10E-03	5.70E-03	2.2
Methylene chloride	2.40E-05	4.90E-07	1.20E-06	2.80E-05	1.00E-02
Pyrene	0.00E+00	3.50E-09	2.60E-09	6.10E-09	2.33E-06
Toluene	4.10E-06	1.70E-08	4.20E-08	4.10E-06	1.59E-03
Vanadium	0.00E+00	1.10E-02	2.80E-03	1.40E-02	5.47
Zinc	0.00E+00	3.90E-04	9.70E-05	4.90E-04	1.87E-01
Total by pathway	1.70E-01	6.70E-02	2.30E-02		
% Contribution by pathway	6.54E+01	2.58E+01	8.78		
Scenario Total				2.60E-01	

Average Non-Cancer Hazard Index Summary
Off-Site Residential Adult - Future

	Ingestion of Groundwater	Inhalation while Showering	Dermal Contact while Showering	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDT	7.00E-15	0.00E+00	8.40E-14	6.20E-21	1.10E-20	1.40E-15	8.90E-16	9.30E-14	4.95E-11
Arsenic	1.50E-01	0.00E+00	7.90E-05	2.30E-08	2.50E-07	2.30E-03	1.40E-04	1.50E-01	8.05E+01
Fluoranthene	2.40E-25	0.00E+00	1.10E-25	1.50E-30	2.70E-30	3.10E-05	1.90E-05	5.00E-05	2.66E-02
Heptachlor	1.20E-18	0.00E+00	1.10E-19	3.50E-24	6.30E-24	4.50E-24	3.00E-24	1.30E-18	6.78E-16
Heptachlor epoxide	5.10E-17	0.00E+00	5.00E-18	1.60E-22	2.90E-22	1.60E-22	1.20E-22	5.60E-17	2.98E-14
Manganese (food)	0.00E+00	0.00E+00	0.00E+00	6.80E-09	6.10E-08	4.60E-08	8.40E-08	2.00E-07	1.05E-04
Manganese (water)	3.50E-02	0.00E+00	4.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-02	1.86E+01
Methylene chloride	5.70E-40	6.00E-47	5.30E-41	0.00E+00	0.00E+00	1.50E-49	9.20E-50	6.20E-40	3.28E-37
Pyrene	6.60E-41	0.00E+00	9.30E-44	2.60E-48	5.00E-46	1.50E-48	1.00E-46	6.70E-41	3.53E-38
Thallium	2.60E-04	0.00E+00	3.70E-07	1.10E-11	2.00E-10	6.30E-06	6.30E-07	2.70E-04	1.45E-01
Vanadium	6.80E-04	0.00E+00	9.50E-07	2.20E-10	7.20E-10	6.90E-07	1.40E-06	6.80E-04	3.60E-01
Zinc	6.30E-04	0.00E+00	3.30E-07	6.20E-08	4.00E-08	6.50E-08	1.90E-08	6.30E-04	3.35E-01
Total by pathway	1.90E-01	6.00E-47	1.30E-04	9.10E-08	3.50E-07	2.30E-03	1.60E-04		
% Contribution by pathway	9.86E+01	4.25E-44	6.84E-02	4.48E-05	1.67E-04	1.22	8.32E-02		
Scenario Total								1.90E-01	

Table O-5
Non-Cancer
Hazard Index Summary Cannon AFB, Clovis, New Mexico: LF No. 25

Rees. Max. Non-Cancer Hazard Index Summary
Off-Site Residential Adult - Future

	Ingestion of Groundwater	Inhalation while Showering	Dermal Contact while Showering	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDT	1.00E-14	0.00E+00	1.80E-13	9.30E-21	1.80E-20	6.20E-15	3.30E-15	1.90E-13	7.03E-11
Arsenic	2.10E-01	0.00E+00	1.80E-04	3.40E-08	4.00E-07	1.00E-02	5.10E-04	2.20E-01	8.10E+01
Fluoranthene	3.50E-25	0.00E+00	2.40E-25	2.20E-30	4.20E-30	1.40E-04	7.20E-06	2.10E-04	7.50E-02
Heptachlor	1.70E-18	0.00E+00	2.40E-19	5.30E-24	1.00E-23	2.00E-23	1.10E-23	1.90E-18	6.87E-16
Heptachlor epoxide	7.30E-17	0.00E+00	1.00E-17	2.40E-22	4.60E-22	8.00E-22	4.60E-22	8.40E-17	3.02E-14
Manganese (food)	0.00E+00	0.00E+00	0.00E+00	1.00E-08	9.70E-08	2.10E-07	3.10E-07	6.30E-07	2.26E-04
Manganese (water)	5.00E-02	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-02	1.81E+01
Methylene chloride	8.10E-40	3.00E-46	1.10E-40	0.00E+00	0.00E+00	6.50E-49	3.50E-49	9.20E-40	3.32E-37
Pyrene	9.50E-41	0.00E+00	1.90E-43	4.20E-46	8.10E-46	6.40E-46	3.60E-46	9.50E-41	3.44E-38
Thallium	3.80E-04	0.00E+00	7.70E-07	1.70E-11	3.30E-10	3.60E-05	3.10E-06	4.20E-04	1.51E-01
Vanadium	9.70E-04	0.00E+00	2.00E-06	3.30E-10	1.20E-09	3.90E-06	5.40E-06	9.60E-04	3.53E-01
Zinc	9.00E-04	0.00E+00	6.90E-07	9.20E-08	6.50E-08	2.80E-07	7.20E-08	9.10E-04	3.27E-01
Total by pathway	2.70E-01	3.00E-46	2.70E-04	1.40E-07	5.70E-07	1.00E-02	5.90E-04		
% Contribution by pathway	9.60E+01	1.09E-43	9.72E-02	4.95E-05	2.04E-04	3.66E+00	2.13E-01		
Scenario Total								2.80E-01	

Average Non-Cancer Hazard Index Summary
Off-Site Residential Child - Future

	Ingestion of Groundwater	Inhalation while Showering	Dermal Contact while Showering	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDT	2.30E-14	0.00E+00	3.10E-13	2.90E-20	5.20E-20	3.30E-15	4.10E-15	3.40E-13	5.38E-11
Arsenic	5.00E-01	0.00E+00	2.90E-04	1.10E-07	1.20E-06	5.30E-03	6.30E-04	5.00E-01	8.05E+01
Fluoranthene	8.10E-25	0.00E+00	4.10E-25	6.90E-30	1.20E-29	7.20E-05	9.00E-05	1.60E-04	2.58E-02
Heptachlor	3.90E-18	0.00E+00	4.20E-19	1.60E-23	2.90E-23	1.10E-23	1.40E-23	4.30E-18	6.86E-16
Heptachlor epoxide	1.70E-16	0.00E+00	1.80E-17	7.60E-22	1.40E-21	4.30E-22	5.80E-22	1.90E-16	3.01E-14
Manganese (food)	0.00E+00	0.00E+00	0.00E+00	3.20E-08	2.80E-07	1.10E-07	3.90E-07	8.20E-07	1.30E-04
Manganese (water)	1.20E-01	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.87E+01
Methylene chloride	1.90E-39	2.10E-46	1.90E-40	0.00E+00	0.00E+00	3.40E-49	4.30E-49	2.10E-39	3.31E-37
Pyrene	2.20E-40	0.00E+00	3.40E-43	1.30E-45	2.40E-45	3.40E-46	4.70E-46	2.20E-40	3.54E-38
Thallium	8.80E-04	0.00E+00	1.30E-06	5.30E-11	9.50E-10	1.90E-05	3.90E-06	9.00E-04	1.44E-01
Vanadium	2.30E-03	0.00E+00	3.40E-06	1.00E-09	3.40E-09	2.10E-06	6.70E-06	2.30E-03	3.62E-01
Zinc	2.10E-03	0.00E+00	1.20E-06	2.90E-07	1.90E-07	1.50E-07	8.90E-08	2.10E-03	3.37E-01
Total by pathway	6.20E-01	2.10E-46	4.70E-04	4.30E-07	1.80E-06	5.40E-03	7.30E-04		
% Contribution by pathway	9.89E+01	3.31E-44	7.51E-02	6.80E-05	2.63E-04	8.60E-01	1.17E-01		
Scenario Total								6.30E-01	

Rees. Max. Non-Cancer Hazard Index Summary
Off-Site Residential Child - Future

	Ingestion of Groundwater	Inhalation while Showering	Dermal Contact while Showering	Ingestion of Fruits	Ingestion of Vegetables	Ingestion of Meat	Ingestion of Milk	Total	% Contrib
4,4'-DDT	2.30E-14	0.00E+00	3.10E-13	4.30E-20	8.30E-20	1.40E-14	1.60E-14	3.60E-13	5.68E-11
Arsenic	5.00E-01	0.00E+00	2.90E-04	1.60E-07	1.90E-06	2.30E-02	2.40E-03	5.20E-01	8.10E+01
Fluoranthene	8.10E-25	0.00E+00	4.10E-25	1.00E-29	2.00E-29	3.10E-04	3.40E-04	6.40E-04	9.98E-02
Heptachlor	3.90E-18	0.00E+00	4.20E-19	2.50E-23	4.70E-23	4.50E-23	5.30E-23	4.30E-18	6.65E-16
Heptachlor epoxide	1.70E-16	0.00E+00	1.80E-17	1.10E-21	2.20E-21	1.80E-21	2.20E-21	1.90E-16	2.92E-14
Manganese (food)	0.00E+00	0.00E+00	0.00E+00	4.70E-08	4.50E-07	4.80E-07	1.50E-06	2.40E-06	3.78E-04
Manganese (water)	1.20E-01	0.00E+00	1.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-01	1.81E+01
Methylene chloride	1.90E-39	2.50E-46	1.90E-40	0.00E+00	0.00E+00	1.50E-48	1.80E-48	2.10E-39	3.21E-37
Pyrene	2.20E-40	0.00E+00	3.40E-43	2.00E-45	3.80E-45	1.50E-45	1.80E-45	2.20E-40	3.43E-38
Thallium	8.80E-04	0.00E+00	1.30E-06	8.00E-11	1.50E-09	8.30E-06	1.50E-05	9.80E-04	1.51E-01
Vanadium	2.30E-03	0.00E+00	3.40E-06	1.50E-09	5.40E-09	8.90E-06	2.50E-05	2.30E-03	3.54E-01
Zinc	2.10E-03	0.00E+00	1.20E-06	4.30E-07	3.00E-07	6.40E-07	3.30E-07	2.10E-03	3.27E-01
Total by pathway	6.20E-01	2.50E-46	4.70E-04	6.40E-07	2.80E-06	2.30E-02	2.70E-03		
% Contribution by pathway	9.59E+01	3.89E-44	7.28E-02	9.89E-05	4.08E-04	3.55E+00	4.25E-01		
Scenario Total								6.50E-01	

Table O-6

Non-Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

Non-Cancer Risk Estimates									
LF25 Risk Assessment									
Scenario									
	Activity								
		Pathway							
On-Site Worker - Present									
	Working in LF25								
		InhalationOfVapor: Vapor onsite worker							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			Contaminant*	Chronic RfC	Average EAC	Reas. Max. EAC	Average Haz. Index	Reas. Max. Haz. Index	
			Manganese (food)*	4.00E-01	2.69E-03	1.54E-02	6.70E-03	3.80E-02	
			Methylene chloride*	3000	1.10E-02	6.26E-02	3.70E-06	2.10E-05	
			Toluene*	400	1.23E-03	7.01E-03	3.10E-06	1.80E-05	
Worker-Subchronic									
	Working in LF25								
		InhalationOfVapor: Vapor onsite worker							
			Contaminant	Subchronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			Contaminant*	Subchronic RfC	Average EAC	Reas. Max. EAC	Average Haz. Index	Reas. Max. Haz. Index	
			Manganese (food)*	4.00E-01	2.69E-03	1.54E-02	6.70E-03	3.80E-02	
			Methylene chloride*	3000	1.10E-02	6.26E-02	3.70E-06	2.10E-05	
			Toluene*	2000	1.23E-03	7.01E-03	6.10E-07	3.50E-06	
Off-Site Residential Adult - Present									
	Living downgradient of LF25								
		InhalationOfVapor: Vapor offsite							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			Contaminant*	Chronic RfC	Average EAC	Reas. Max. EAC	Average Haz. Index	Reas. Max. Haz. Index	
			Manganese (food)*	4.00E-01	3.52E-03	3.52E-03	8.80E-03	8.80E-03	
			Methylene chloride*	3000	1.44E-02	1.44E-02	4.80E-06	4.80E-06	
			Toluene*	400	1.60E-03	1.60E-03	4.00E-06	4.00E-06	
		IngestionOfFruitAndVeg: Fruits offsite - present							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	1.66E-16	4.21E-16	3.30E-13	8.40E-13	
			Arsenic	3.00E-04	2.63E-13	6.62E-13	8.80E-10	2.20E-09	
			Fluoranthene	4.00E-02	4.49E-15	1.13E-14	1.10E-13	2.80E-13	
			Heptachlor	5.00E-04	3.95E-16	9.95E-16	7.90E-13	2.00E-12	
			Heptachlor epoxide	1.30E-05	7.52E-17	1.90E-16	5.80E-12	1.50E-11	
			Manganese (water)	5.00E-03	1.98E-12	2.97E-12	4.00E-10	5.90E-10	
			Pyrene	3.00E-02	2.98E-15	7.54E-15	9.90E-14	2.50E-13	
			Thallium	8.00E-05	5.79E-15	1.46E-14	7.20E-11	1.80E-10	
			Vanadium	7.00E-03	7.59E-12	1.92E-11	1.10E-09	2.70E-09	
			Zinc	3.00E-01	3.27E-09	8.23E-09	1.10E-08	2.70E-08	

Table O-6

Non-Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

		IngestionOfFruitAndVeg: Vegetables offsite - present							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	2.97E-16	8.01E-16	5.90E-13	1.60E-12	
			Arsenic	3.00E-04	3.13E-12	8.43E-12	1.00E-08	2.80E-08	
			Fluoranthene	4.00E-02	8.01E-15	2.15E-14	2.00E-13	5.40E-13	
			Heptachlor	5.00E-04	7.05E-16	1.90E-15	1.40E-12	3.80E-12	
			Heptachlor epoxide	1.30E-05	1.34E-16	3.62E-16	1.00E-11	2.80E-11	
			Manganese (food)	1.40E-01	1.05E-11	2.83E-11	7.50E-11	2.00E-10	
			Pyrene	3.00E-02	5.33E-15	1.44E-14	1.80E-13	4.80E-13	
			Thallium	8.00E-05	1.03E-13	2.77E-14	1.30E-09	3.50E-10	
			Vanadium	7.00E-03	2.49E-11	6.68E-11	3.60E-09	9.50E-09	
			Zinc	3.00E-01	2.14E-09	5.75E-09	7.10E-09	1.90E-08	
		IngestionOfMeatEggsAndDairy: Meat offsite							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	5.76E-15	4.23E-14	1.20E-11	8.50E-11	
			Arsenic	3.00E-04	4.70E-13	3.46E-12	1.60E-09	1.20E-08	
			Fluoranthene	4.00E-02	8.84E-16	6.48E-15	2.20E-14	1.60E-13	
			Heptachlor	5.00E-04	5.13E-16	3.76E-15	1.00E-12	7.50E-12	
			Heptachlor epoxide	1.30E-05	8.44E-17	6.21E-16	6.50E-12	4.80E-11	
			Manganese (food)	1.40E-01	7.90E-14	5.80E-13	5.60E-13	4.10E-12	
			Methylene chloride	6.00E-02	5.99E-18	4.41E-17	1.00E-16	7.30E-16	
			Pyrene	3.00E-02	2.04E-19	1.50E-18	6.80E-18	5.00E-17	
			Thallium	8.00E-05	3.52E-17	2.59E-16	4.40E-13	3.20E-12	
			Toluene	2.00E-01	9.99E-18	7.37E-17	5.00E-17	3.70E-16	
			Vanadium	7.00E-03	6.19E-15	4.56E-14	8.80E-13	6.50E-12	
			Zinc	3.00E-01	1.72E-14	1.27E-13	5.70E-14	4.20E-13	
		IngestionOfMeatEggsAndDairy: Milk offsite							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	3.69E-15	2.33E-14	7.40E-12	4.70E-11	
			Arsenic	3.00E-04	3.09E-14	1.95E-13	1.00E-10	6.50E-10	
			Fluoranthene	4.00E-02	6.31E-16	3.97E-15	1.60E-14	9.90E-14	
			Heptachlor	5.00E-04	3.46E-16	2.17E-15	6.90E-13	4.30E-12	
			Heptachlor epoxide	1.30E-05	5.74E-17	3.61E-16	4.40E-12	2.80E-11	
			Manganese (food)	1.40E-01	1.94E-13	1.22E-12	1.40E-12	8.70E-12	
			Methylene chloride	6.00E-02	3.74E-18	2.35E-17	6.20E-17	3.90E-16	
			Pyrene	3.00E-02	1.07E-15	6.72E-15	3.60E-14	2.20E-13	
			Thallium	8.00E-05	2.82E-13	1.77E-12	3.50E-09	2.20E-08	
			Toluene	2.00E-01	1.94E-16	1.22E-15	9.70E-16	6.10E-15	
			Vanadium	7.00E-03	4.97E-11	3.13E-10	7.10E-09	4.50E-08	
			Zinc	3.00E-01	1.01E-09	6.37E-09	3.40E-09	2.10E-08	
Off-Site Residential Child - Present									
	Living downgradient of LF25								
		InhalationOfVapor: Vapor offsite							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			Contaminant*	Chronic RfC	Average EAC	Reas. Max. EAC	Average Haz. Index	Reas. Max. Haz. Index	
			Manganese (food)*	4.00E-01	3.52E-03	3.52E-03	8.80E-03	8.80E-03	
			Methylene chloride*	3000	1.44E-02	1.44E-02	4.80E-06	4.80E-06	
			Toluene*	400	1.60E-03	1.60E-03	4.00E-06	4.00E-06	

Table O-6

Non-Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

IngestionOfFruitAndVeg: Fruits offsite - present							
	Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
	4,4'-DDT	5.00E-04	7.77E-16	1.96E-15	1.60E-12	3.90E-12	
	Arsenic	3.00E-04	1.23E-12	3.09E-12	4.10E-09	1.00E-08	
	Fluoranthene	4.00E-02	2.09E-14	5.26E-14	5.20E-13	1.30E-12	
	Heptachlor	5.00E-04	1.84E-15	4.64E-15	3.70E-12	9.30E-12	
	Heptachlor epoxide	1.30E-05	3.51E-16	8.86E-16	2.70E-11	6.80E-11	
	Manganese (water)	5.00E-03	9.25E-12	1.39E-11	1.90E-09	2.80E-09	
	Pyrene	3.00E-02	1.39E-14	3.52E-14	4.60E-13	1.20E-12	
	Thallium	8.00E-05	2.70E-14	6.79E-14	3.40E-10	8.50E-10	
	Vanadium	7.00E-03	3.54E-11	8.94E-11	5.10E-09	1.30E-08	
	Zinc	3.00E-01	1.53E-08	3.84E-08	5.10E-08	1.30E-07	
IngestionOfFruitAndVeg: Vegetables offsite - present							
	Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
	4,4'-DDT	5.00E-04	1.39E-15	3.74E-15	2.80E-12	7.50E-12	
	Arsenic	3.00E-04	1.46E-11	3.93E-11	4.90E-08	1.30E-07	
	Fluoranthene	4.00E-02	3.74E-14	1.00E-13	9.30E-13	2.50E-12	
	Heptachlor	5.00E-04	3.29E-15	8.85E-15	6.60E-12	1.80E-11	
	Heptachlor epoxide	1.30E-05	6.26E-16	1.69E-15	4.80E-11	1.30E-10	
	Manganese (food)	1.40E-01	4.92E-11	1.32E-10	3.50E-10	9.40E-10	
	Pyrene	3.00E-02	2.49E-14	6.70E-14	8.30E-13	2.20E-12	
	Thallium	8.00E-05	4.83E-13	1.29E-13	6.00E-09	1.60E-09	
	Vanadium	7.00E-03	1.16E-10	3.12E-10	1.70E-08	4.50E-08	
	Zinc	3.00E-01	1.00E-08	2.68E-08	3.30E-08	8.90E-08	
IngestionOfMeatEggsAndDairy: Meat offsite							
	Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
	4,4'-DDT	5.00E-04	1.34E-14	9.87E-14	2.70E-11	2.00E-10	
	Arsenic	3.00E-04	1.10E-12	8.08E-12	3.70E-09	2.70E-08	
	Fluoranthene	4.00E-02	2.06E-15	1.51E-14	5.20E-14	3.80E-13	
	Heptachlor	5.00E-04	1.20E-15	8.77E-15	2.40E-12	1.80E-11	
	Heptachlor epoxide	1.30E-05	1.97E-16	1.45E-15	1.50E-11	1.10E-10	
	Manganese (food)	1.40E-01	1.84E-13	1.35E-12	1.30E-12	9.70E-12	
	Methylene chloride	6.00E-02	1.40E-17	1.03E-16	2.30E-16	1.70E-15	
	Pyrene	3.00E-02	4.76E-19	3.49E-18	1.60E-17	1.20E-16	
	Thallium	8.00E-05	8.22E-17	6.05E-16	1.00E-12	7.60E-12	
	Toluene	2.00E-01	2.33E-17	1.72E-16	1.20E-16	8.60E-16	
	Vanadium	7.00E-03	1.44E-14	1.06E-13	2.10E-12	1.50E-11	
	Zinc	3.00E-01	4.02E-14	2.95E-13	1.30E-13	9.80E-13	
IngestionOfMeatEggsAndDairy: Milk offsite							
	Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
	4,4'-DDT	5.00E-04	1.72E-14	1.09E-13	3.40E-11	2.20E-10	
	Arsenic	3.00E-04	1.44E-13	9.08E-13	4.80E-10	3.00E-09	
	Fluoranthene	4.00E-02	2.94E-15	1.85E-14	7.40E-14	4.60E-13	
	Heptachlor	5.00E-04	1.62E-15	1.01E-14	3.20E-12	2.00E-11	
	Heptachlor epoxide	1.30E-05	2.68E-16	1.68E-15	2.10E-11	1.30E-10	
	Manganese (food)	1.40E-01	9.05E-13	5.69E-12	6.50E-12	4.10E-11	
	Methylene chloride	6.00E-02	1.75E-17	1.10E-16	2.90E-16	1.80E-15	
	Pyrene	3.00E-02	4.98E-15	3.14E-14	1.70E-13	1.00E-12	
	Thallium	8.00E-05	1.32E-12	8.28E-12	1.60E-08	1.00E-07	
	Toluene	2.00E-01	9.05E-16	5.69E-15	4.50E-15	2.80E-14	
	Vanadium	7.00E-03	2.32E-10	1.46E-09	3.30E-08	2.10E-07	
	Zinc	3.00E-01	4.74E-09	2.97E-08	1.60E-08	9.90E-08	

Table O-6

Non-Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

On-Site Construction Worker - Future									
	Working in LF25								
		InhalationOfVapor: Vapor onsite worker - Construction							
			Contaminant	Subchronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			Contaminant*	Subchronic RfC	Average EAC	Reas. Max. EAC	Average Haz. Index	Reas. Max. Haz. Index	
			Manganese (food)*	4.00E-01	9.52E-03	6.80E-02	2.40E-02	1.70E-01	
			Methylene chloride*	3000	1.02E-02	7.31E-02	3.40E-06	2.40E-05	
			Toluene*	2000	1.14E-03	8.16E-03	5.70E-07	4.10E-06	
		IngestionOfSoil: Soil							
			Contaminant	Subchronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	1.68E-09	1.68E-08	3.40E-06	3.40E-05	
			Arsenic	3.00E-04	1.32E-06	1.32E-05	4.40E-03	4.40E-02	
			Diesel	8.00E-03	4.21E-06	4.21E-05	5.30E-04	5.30E-03	
			Fluoranthene	4.00E-01	1.05E-10	1.05E-09	2.60E-10	2.60E-09	
			Heptachlor	5.00E-04	2.40E-10	2.40E-09	4.80E-07	4.80E-06	
			Heptachlor epoxide	1.30E-05	2.71E-10	2.71E-09	2.10E-05	2.10E-04	
			Manganese (food)	1.00E-01	4.29E-05	4.29E-04	4.30E-04	4.30E-03	
			MCPP	1.00E-02	1.65E-06	1.65E-05	1.60E-04	1.60E-03	
			Methylene chloride	6.00E-02	2.86E-09	2.86E-08	4.80E-08	4.80E-07	
			Pyrene	3.00E-01	1.04E-10	1.04E-09	3.50E-10	3.50E-09	
			Toluene	2	3.41E-09	3.41E-08	1.70E-09	1.70E-08	
			Vanadium	7.00E-03	7.98E-06	7.98E-05	1.10E-03	1.10E-02	
			Zinc	2.00E-01	7.80E-06	7.80E-05	3.90E-05	3.90E-04	
		DermalContactWithSoil: Soil							
			Contaminant	Subchronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	1.66E-08	4.16E-08	3.30E-05	8.30E-05	
			Arsenic	3.00E-04	1.31E-07	3.27E-07	4.40E-04	1.10E-03	
			Diesel	8.00E-03	4.18E-05	1.05E-04	5.20E-03	1.30E-02	
			Fluoranthene	4.00E-01	3.13E-10	7.83E-10	7.80E-10	2.00E-09	
			Heptachlor	5.00E-04	2.38E-09	5.96E-09	4.80E-06	1.20E-05	
			Heptachlor epoxide	1.30E-05	2.69E-09	6.74E-09	2.10E-04	5.20E-04	
			Manganese (food)	1.00E-01	4.26E-05	1.07E-04	4.30E-04	1.10E-03	
			MCPP	1.00E-02	1.63E-05	4.08E-05	1.60E-03	4.10E-03	
			Methylene chloride	6.00E-02	2.84E-08	7.11E-08	4.70E-07	1.20E-06	
			Pyrene	3.00E-01	3.10E-10	7.76E-10	1.00E-09	2.60E-09	
			Toluene	2	3.38E-08	8.46E-08	1.70E-08	4.20E-08	
			Vanadium	7.00E-03	7.93E-06	1.98E-05	1.10E-03	2.80E-03	
			Zinc	2.00E-01	7.74E-06	1.93E-05	3.90E-05	9.70E-05	
Off-Site Residential Adult - Future									
	Living downgradient of LF25								
		IngestionOfDrinkingWater: Groundwater offsite - future							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	3.49E-18	4.99E-18	7.00E-15	1.00E-14	
			Arsenic	3.00E-04	4.49E-05	6.41E-05	1.50E-01	2.10E-01	
			Fluoranthene	4.00E-02	9.67E-27	1.38E-26	2.40E-25	3.50E-25	
			Heptachlor	5.00E-04	5.83E-22	8.33E-22	1.20E-18	1.70E-18	
			Heptachlor epoxide	1.30E-05	6.65E-22	9.51E-22	5.10E-17	7.30E-17	
			Manganese (water)	5.00E-03	1.75E-04	2.50E-04	3.50E-02	5.00E-02	
			Methylene chloride	6.00E-02	3.39E-41	4.85E-41	5.70E-40	8.10E-40	
			Pyrene	3.00E-02	1.99E-42	2.85E-42	6.60E-41	9.50E-41	
			Thallium	8.00E-05	2.11E-08	3.01E-08	2.60E-04	3.80E-04	
			Vanadium	7.00E-03	4.74E-06	6.77E-06	6.80E-04	9.70E-04	
			Zinc	3.00E-01	1.90E-04	2.71E-04	6.30E-04	9.00E-04	

Table O-6

Non-Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

		InhalationOfVapor: Shower Vapors offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			Contaminant*	Chronic RfC	Average EAC	Reas. Max. EAC	Average Haz. Index	Reas. Max. Haz. Index
			Methylene chloride*	3000	2.41E-43	9.07E-43	8.00E-47	3.00E-46
		DermalContactWithWater: Groundwater offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			4,4'-DDT	5.00E-04	4.21E-17	8.76E-17	8.40E-14	1.80E-13
			Arsenic	3.00E-04	2.36E-08	4.91E-08	7.90E-05	1.60E-04
			Fluoranthene	4.00E-02	4.53E-27	9.44E-27	1.10E-25	2.40E-25
			Heptachlor	5.00E-04	5.71E-23	1.19E-22	1.10E-19	2.40E-19
			Heptachlor epoxide	1.30E-05	6.52E-23	1.36E-22	5.00E-18	1.00E-17
			Manganese (water)	5.00E-03	2.45E-07	5.10E-07	4.90E-05	1.00E-04
			Methylene chloride	6.00E-02	3.17E-42	6.61E-42	5.30E-41	1.10E-40
			Pyrene	3.00E-02	2.79E-45	5.80E-45	9.30E-44	1.90E-43
			Thallium	8.00E-05	2.95E-11	6.14E-11	3.70E-07	7.70E-07
			Vanadium	7.00E-03	6.62E-09	1.38E-08	9.50E-07	2.00E-06
			Zinc	3.00E-01	9.98E-08	2.08E-07	3.30E-07	6.90E-07
		IngestionOfFruitAndVeg: Fruits offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			4,4'-DDT	5.00E-04	3.10E-24	4.64E-24	6.20E-21	9.30E-21
			Arsenic	3.00E-04	6.83E-12	1.02E-11	2.30E-08	3.40E-08
			Fluoranthene	4.00E-02	5.95E-32	8.92E-32	1.50E-30	2.20E-30
			Heptachlor	5.00E-04	1.75E-27	2.63E-27	3.50E-24	5.30E-24
			Heptachlor epoxide	1.30E-05	2.11E-27	3.16E-27	1.60E-22	2.40E-22
			Manganese (food)	1.40E-01	9.47E-10	1.42E-09	6.80E-09	1.00E-08
			Pyrene	3.00E-02	8.48E-48	1.27E-47	2.80E-46	4.20E-46
			Thallium	8.00E-05	9.13E-16	1.37E-15	1.10E-11	1.70E-11
			Vanadium	7.00E-03	1.54E-12	2.31E-12	2.20E-10	3.30E-10
			Zinc	3.00E-01	1.85E-08	2.77E-08	6.20E-08	9.20E-08
		IngestionOfFruitAndVeg: Vegetables offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			4,4'-DDT	5.00E-04	5.53E-24	8.84E-24	1.10E-20	1.80E-20
			Arsenic	3.00E-04	7.53E-11	1.21E-10	2.50E-07	4.00E-07
			Fluoranthene	4.00E-02	1.06E-31	1.70E-31	2.70E-30	4.20E-30
			Heptachlor	5.00E-04	3.13E-27	5.01E-27	6.30E-24	1.00E-23
			Heptachlor epoxide	1.30E-05	3.77E-27	6.03E-27	2.90E-22	4.60E-22
			Manganese (food)	1.40E-01	8.49E-09	1.36E-08	6.10E-08	9.70E-08
			Pyrene	3.00E-02	1.51E-47	2.42E-47	5.00E-46	8.10E-46
			Thallium	8.00E-05	1.63E-14	2.61E-14	2.00E-10	3.30E-10
			Vanadium	7.00E-03	5.03E-12	8.05E-12	7.20E-10	1.20E-09
			Zinc	3.00E-01	1.21E-08	1.94E-08	4.00E-08	6.50E-08
		IngestionOfMeatEggsAndDairy: Meat offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			4,4'-DDT	5.00E-04	7.09E-19	3.11E-18	1.40E-15	6.20E-15
			Arsenic	3.00E-04	6.82E-07	2.99E-06	2.30E-03	1.00E-02
			Fluoranthene	4.00E-02	1.24E-06	5.41E-06	3.10E-05	1.40E-04
			Heptachlor	5.00E-04	2.27E-27	9.94E-27	4.50E-24	2.00E-23
			Heptachlor epoxide	1.30E-05	2.37E-27	1.04E-26	1.80E-22	8.00E-22
			Manganese (food)	1.40E-01	6.73E-09	2.95E-08	4.80E-08	2.10E-07
			Methylene chloride	6.00E-02	8.84E-51	3.88E-50	1.50E-49	6.50E-49
			Pyrene	3.00E-02	4.39E-48	1.93E-47	1.50E-46	6.40E-46
			Thallium	8.00E-05	6.66E-10	2.92E-09	8.30E-06	3.60E-05
			Vanadium	7.00E-03	6.25E-09	2.74E-08	8.90E-07	3.90E-06
			Zinc	3.00E-01	1.94E-08	8.52E-08	6.50E-08	2.80E-07

Table O-6

Non-Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

		IngestionOfMeatEggsAndDairy: Milk offsite - future							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	4.44E-19	1.66E-18	8.90E-16	3.30E-15	
			Arsenic	3.00E-04	4.06E-08	1.52E-07	1.40E-04	5.10E-04	
			Fluoranthene	4.00E-02	7.71E-07	2.89E-06	1.90E-05	7.20E-05	
			Heptachlor	5.00E-04	1.52E-27	5.72E-27	3.00E-24	1.10E-23	
			Heptachlor epoxide	1.30E-05	1.60E-27	6.02E-27	1.20E-22	4.60E-22	
			Manganese (food)	1.40E-01	1.17E-08	4.39E-08	8.40E-08	3.10E-07	
			Methylene chloride	6.00E-02	5.52E-51	2.07E-50	9.20E-50	3.50E-49	
			Pyrene	3.00E-02	3.03E-48	1.14E-47	1.00E-46	3.80E-46	
			Thallium	8.00E-05	6.67E-11	2.50E-10	8.30E-07	3.10E-06	
			Vanadium	7.00E-03	1.01E-08	3.78E-08	1.40E-06	5.40E-06	
			Zinc	3.00E-01	5.74E-09	2.15E-08	1.90E-08	7.20E-08	
Off-Site Residential Child - Future									
	Living downgradient of LF25								
		IngestionOfDrinkingWater: Groundwater offsite - future							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	1.16E-17	1.16E-17	2.30E-14	2.30E-14	
			Arsenic	3.00E-04	1.50E-04	1.50E-04	5.00E-01	5.00E-01	
			Fluoranthene	4.00E-02	3.22E-26	3.22E-26	8.10E-25	8.10E-25	
			Heptachlor	5.00E-04	1.94E-21	1.94E-21	3.90E-18	3.90E-18	
			Heptachlor epoxide	1.30E-05	2.22E-21	2.22E-21	1.70E-16	1.70E-16	
			Manganese (water)	5.00E-03	5.84E-04	5.84E-04	1.20E-01	1.20E-01	
			Methylene chloride	6.00E-02	1.13E-40	1.13E-40	1.90E-39	1.90E-39	
			Pyrene	3.00E-02	6.65E-42	6.65E-42	2.20E-40	2.20E-40	
			Thallium	8.00E-05	7.03E-08	7.03E-08	8.80E-04	8.80E-04	
			Vanadium	7.00E-03	1.58E-05	1.58E-05	2.30E-03	2.30E-03	
			Zinc	3.00E-01	6.33E-04	6.33E-04	2.10E-03	2.10E-03	
		InhalationOfVapor: Shower Vapors offsite - future							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			Contaminant*	Chronic RfC	Average EAC	Reas. Max. EAC	Average Haz. Index	Reas. Max. Haz. Index	
			Methylene chloride*	3000	6.23E-43	7.55E-43	2.10E-46	2.50E-46	
		DermalContactWithWater: Groundwater offsite - future							
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index	
			4,4'-DDT	5.00E-04	1.53E-16	1.53E-16	3.10E-13	3.10E-13	
			Arsenic	3.00E-04	8.60E-08	8.60E-08	2.90E-04	2.90E-04	
			Fluoranthene	4.00E-02	1.65E-26	1.65E-26	4.10E-25	4.10E-25	
			Heptachlor	5.00E-04	2.08E-22	2.08E-22	4.20E-19	4.20E-19	
			Heptachlor epoxide	1.30E-05	2.38E-22	2.38E-22	1.80E-17	1.80E-17	
			Manganese (water)	5.00E-03	8.93E-07	8.93E-07	1.80E-04	1.80E-04	
			Methylene chloride	6.00E-02	1.16E-41	1.16E-41	1.90E-40	1.90E-40	
			Pyrene	3.00E-02	1.02E-44	1.02E-44	3.40E-43	3.40E-43	
			Thallium	8.00E-05	1.08E-10	1.08E-10	1.30E-06	1.30E-06	
			Vanadium	7.00E-03	2.41E-08	2.41E-08	3.40E-06	3.40E-06	
			Zinc	3.00E-01	3.64E-07	3.64E-07	1.20E-06	1.20E-06	

Table O-6

Non-Cancer Risk Estimates Cannon AFB, Clovis, New Mexico: LF No. 25

		IngestionOfFruitAndVeg: Fruits offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			4,4'-DDT	5.00E-04	1.44E-23	2.17E-23	2.90E-20	4.30E-20
			Arsenic	3.00E-04	3.19E-11	4.78E-11	1.10E-07	1.60E-07
			Fluoranthene	4.00E-02	2.77E-31	4.16E-31	6.90E-30	1.00E-29
			Heptachlor	5.00E-04	8.18E-27	1.23E-26	1.60E-23	2.50E-23
			Heptachlor epoxide	1.30E-05	9.84E-27	1.48E-26	7.60E-22	1.10E-21
			Manganese (food)	1.40E-01	4.42E-09	6.63E-09	3.20E-08	4.70E-08
			Pyrene	3.00E-02	3.96E-47	5.93E-47	1.30E-45	2.00E-45
			Thallium	8.00E-05	4.26E-15	6.39E-15	5.30E-11	8.00E-11
			Vanadium	7.00E-03	7.18E-12	1.08E-11	1.00E-09	1.50E-09
			Zinc	3.00E-01	8.63E-08	1.29E-07	2.90E-07	4.30E-07
		IngestionOfFruitAndVeg: Vegetables offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			4,4'-DDT	5.00E-04	2.58E-23	4.13E-23	5.20E-20	8.30E-20
			Arsenic	3.00E-04	3.52E-10	5.63E-10	1.20E-06	1.90E-06
			Fluoranthene	4.00E-02	4.95E-31	7.93E-31	1.20E-29	2.00E-29
			Heptachlor	5.00E-04	1.46E-26	2.34E-26	2.90E-23	4.70E-23
			Heptachlor epoxide	1.30E-05	1.76E-26	2.81E-26	1.40E-21	2.20E-21
			Manganese (food)	1.40E-01	3.96E-08	6.34E-08	2.80E-07	4.50E-07
			Pyrene	3.00E-02	7.06E-47	1.13E-46	2.40E-45	3.80E-45
			Thallium	8.00E-05	7.61E-14	1.22E-13	9.50E-10	1.50E-09
			Vanadium	7.00E-03	2.35E-11	3.76E-11	3.40E-09	5.40E-09
			Zinc	3.00E-01	5.66E-08	9.05E-08	1.90E-07	3.00E-07
		IngestionOfMeatEggsAndDairy: Meat offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			4,4'-DDT	5.00E-04	1.65E-18	7.05E-18	3.30E-15	1.40E-14
			Arsenic	3.00E-04	1.59E-06	6.78E-06	5.30E-03	2.30E-02
			Fluoranthene	4.00E-02	1.59E-28	6.78E-28	4.00E-27	1.70E-26
			Heptachlor	5.00E-04	3.31E-23	1.41E-22	6.60E-20	2.80E-19
			Heptachlor epoxide	1.30E-05	3.45E-23	1.47E-22	2.70E-18	1.10E-17
			Manganese (food)	1.40E-01	5.77E-07	2.46E-06	4.10E-06	1.80E-05
			Methylene chloride	6.00E-02	1.40E-46	5.95E-46	2.30E-45	9.90E-45
			Pyrene	3.00E-02	6.22E-44	2.65E-43	2.10E-42	8.80E-42
			Thallium	8.00E-05	1.55E-09	6.62E-09	1.90E-05	8.30E-05
			Vanadium	7.00E-03	1.46E-08	6.22E-08	2.10E-06	8.90E-06
			Zinc	3.00E-01	4.54E-08	1.93E-07	1.50E-07	6.40E-07
		IngestionOfMeatEggsAndDairy: Milk offsite - future						
			Contaminant	Chronic RfD	Average Intake	Reas. Max. Intake	Average Haz. Index	Reas. Max. Haz. Index
			4,4'-DDT	5.00E-04	2.07E-18	7.77E-18	4.10E-15	1.60E-14
			Arsenic	3.00E-04	1.90E-07	7.11E-07	6.30E-04	2.40E-03
			Fluoranthene	4.00E-02	1.98E-28	7.44E-28	5.00E-27	1.90E-26
			Heptachlor	5.00E-04	4.16E-23	1.58E-22	8.30E-20	3.10E-19
			Heptachlor epoxide	1.30E-05	4.33E-23	1.62E-22	3.30E-18	1.20E-17
			Manganese (food)	1.40E-01	2.00E-06	7.49E-06	1.40E-05	5.30E-05
			Methylene chloride	6.00E-02	1.75E-46	6.55E-46	2.90E-45	1.10E-44
			Pyrene	3.00E-02	7.80E-44	2.92E-43	2.60E-42	9.70E-42
			Thallium	8.00E-05	3.11E-10	1.17E-09	3.90E-06	1.50E-05
			Vanadium	7.00E-03	4.70E-08	1.76E-07	6.70E-06	2.50E-05
			Zinc	3.00E-01	2.68E-08	1.00E-07	8.90E-08	3.30E-07

TO VIEW THE MAP AND/OR MAPS WITH THIS DOCUMENT, PLEASE CALL THE HAZARDOUS WASTE BUREAU AT 505-476-6000 TO MAKE AN APPOINTMENT

LIBRARY COPY

Supplemental Report
RCRA Facility Investigation (RFI)

SWMU No. 105 - Landfill No. 3
Air Force Project Number C2Q291-7006

Cannon Air Force Base
New Mexico

October 1993

SUPPLEMENTAL REPORT
LANDFILL NO. 3
SWMU NO. 105
IRP SITE LF-3

Prepared for:

U.S. Army Corps of Engineers
Omaha District

Prepared by:

Radian Corporation
10675 Richmond Avenue, Suite 190
Houston, Texas 77042

October 1993

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1-1

2.0 SUMMARY OF FINDINGS 2-1

3.0 ANALYTICAL DATA VALIDITY 3-1

3.1 Sample Contamination 3-1
3.1.1 Diesel Results 3-2
3.1.2 Mercury Results 3-9
3.1.3 Other Metals Results 3-14
3.2 Sample Handling 3-15

REFERENCES

LIST OF FIGURES

		Page
1	Example Chromatogram for Diesel Blank with Contamination	3-3
2	Example Chromatogram for Diesel Standard (Recent LCS) Without Contamination	3-4
3	Example Chromatogram for Diesel Standard (Landfill 3 LCS) With Contamination	3-5
4	Example Chromatogram for Landfill 3 Samples with Contamination	3-6
5	Laboratory Blank Results for Diesel - July 1992 through September 1993	3-10
6	Laboratory Blank Results for Mercury - June 1992 through September 1993	3-11
7	Example Mercury Calibration Curve Showing Negative y-Intercept	3-13

LIST OF TABLES

Page

1 Landfill 3 Analytical Methods, Maximum Sample Concentrations and Health-Based Levels 2-3

2 Hits Above the RCRA Subpart S Action Criteria for Landfill 3 2-6

3 Summary of Samples Received by the Radian Laboratory Above 6°C. 3-17

1.0 INTRODUCTION

As part of the review process for the Cannon Air Force Base landfill investigations, supplementary information has been requested to assist in the documentation of findings from the sites. This report specifically supplements the Remedial Investigation (RI) Report (January 1993) and the Quality Control Summary Report (April 1993), previously provided, which document findings from Cannon Air Force Base Landfill 3 (SWMU 105). Additional information is provided regarding:

- The impact of the landfill on human health and the environment (Section 2); and
- The validity of the analytical data and its fitness for use in determining the impact of Landfill 3 (Section 3).

2.0 SUMMARY OF FINDINGS

Radian performed a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) type Remedial Investigation (RI), including Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) requirements and risk assessment, for Landfill No. 3 at Cannon Air Force Base, New Mexico. Results of this investigation are presented in a RFI report (1) which includes a risk assessment. Based on the data evaluated during this work, the risk to human health and the environment from the landfill is considered to be acceptable and no further action is recommended.

Twelve soil borings were completed at Cannon Air Force Base Landfill 3 (SWMU 105). One hundred forty-four samples were analyzed for volatile organics, semivolatile organics, pesticides and PCBs, total recoverable petroleum hydrocarbons, and metals. Thirty-six of these samples were also analyzed for herbicides and total petroleum hydrocarbons. All of the analytical work was performed by Radian Corporation, Austin, Texas.

The analytical data was validated according to the guidelines published in the USACE Engineering and Design *Chemical Data Quality Management for Hazardous Waste Remedial Activities*, ER 1110-1-263, 1 October 1990 and the Quality Assurance Project Plan (2). Quality control data are summarized in the Quality Control Summary Report (3). The data was found to be satisfactory for use.

To assess the impact of Landfill 3 on human health and the environment, the data were compared to the RCRA Subpart S action levels and a comprehensive risk assessment was performed. The results of those tests are discussed below.

When the data were compared to action levels, it was noted that beryllium was reported above the RCRA Subpart S health based level of 0.2 mg/Kg. However, beryllium in the background samples was also above this level. The concentrations reported in the samples from Landfill 3 were statistically determined to be at background levels. A table of RCRA Subpart S action levels versus the highest hits reported in the data is presented as Table 1. All of the hits above RCRA Subpart S action levels, by location, are presented in Table 2.

Because antimony was reported over the action criteria of 32 mg/kg in several samples, 15 samples were resubmitted for analyses by atomic absorption. Atomic absorption spectroscopy does not experience the strong interelemental effect of calcium on antimony as experienced by the ICP method. The 15 samples were selected in such a fashion as to provide a spacial representation of all the samples. Antimony was not detected by atomic absorption, therefore, no corrective action is recommended.

A comprehensive risk assessment, presented in the draft report, was performed following guidance in the *Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A)* (USEPA, 1989a).

Results of the risk assessment including characterization of exposure setting, identification of chemicals of potential concern, exposure assessment, toxicity assessment, risk characterization and environmental evaluation are presented in the RFI report (1).

Chemicals of concern were identified by following eight steps to evaluate the analytical data:

- Gather all data available from the site investigation and sort by medium;

Table 1

Landfill 3 Analytical Methods, Maximum Sample Concentrations and Health Based Levels

Parameter	Analysis		Maximum Sample Concentration [a]	Health Based Levels
	Technique	Method	Soil (mg/Kg)	RCRA [a] (mg/Kg)
METALS				
Aluminum	ICPES	SW-846:6010	25000	–
Antimony	ICPES	SW-846:6010	95	32
Barium	ICPES	SW-846:6010	2400	4,000
Beryllium	ICPES	SW-846:6010	1.1	0.2
Cadmium	ICPES	SW-846:6010	0.96	40
Calcium	ICPES	SW-846:6010	460,000	–
Chromium (total)	ICPES	SW-846:6010	26	400 (Cr VI)
Cobalt	ICPES	SW-846:6010	8.3	–
Copper	ICPES	SW-846:6010	10	–
Iron	ICPES	SW-846:6010	16,000	–
Magnesium	ICPES	SW-846:6010	22,000	–
Manganese	ICPES	SW-846:6010	150	–
Nickel	ICPES	SW-846:6010	30	2,000
Potassium	ICPES	SW-846:6010	4,900	–
Sodium	ICPES	SW-846:6010	300	–
Vanadium	ICPES	SW-846:6010	49	–
Zinc	ICPES	SW-846:6010	110	–
Arsenic	GFAA	SW-846:7060	4.7	80
Lead	GFAA	SW-846:7421	6.5	114
Mercury	CVAA	SW-846:7471	0.097	20
Selenium	GFAA	SW-846:7740	3.3	–

Table 1

(Continued)

Parameter	Analysis		Maximum Sample Concentration[a]	Health-Based Levels
	Technique	Method	Soil (mg/Kg)	RCRA[a] (mg/Kg)
TOTAL PETROLEUM HYDROCARBONS				
Diesel	GC/FID	SW-846:8015M	17[b]	--
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS				
Total Recoverable Petroleum Hydrocarbons	IR	EPA:418.1	320	--
ORGANOCHLORINE PESTICIDES AND PCBs				
Aldrin	GC/ECD	SW-846:8080	0.0021	0.04
beta-BHC	GC/ECD	SW-846:8080	0.037	4
delta-BHC	GC/ECD	SW-846:8080	0.0066	--
gamma-BHC (Lindane)	GC/ECD	SW-846:8080	0.0071	0.5
4,4'-DDD	GC/ECD	SW-846:8080	0.0021	3
4,4'-DDE	GC/ECD	SW-846:8080	0.0084	2
4,4'-DDT	GC/ECD	SW-846:8080	0.0076	2
Dieldrin	GC/ECD	SW-846:8080	0.0026	0.04
Endrin	GC/ECD	SW-846:8080	0.0061	20
Endrin aldehyde	GC/ECD	SW-846:8080	0.00086	--
Heptachlor epoxide	GC/ECD	SW-846:8080	0.0031	0.08
Methoxychlor	GC/ECD	SW-846:8080	0.0042	--
PCB-1254	GC/ECD	SW-846:8080	0.110	0.09
PCB-1260	GC/ECD	SW-846:8080	0.160	0.09
VOLATILE ORGANICS				
Acetone	GC/MS	SW-846:8240	0.240	--
Methylene chloride	GC/MS	SW-846:8240	0.037	90

Table 1

(Continued)

Parameter	Analysis		Maximum Sample Concentration [a]	Health-Based Levels
	Technique	Method	Soil (mg/Kg)	RCRA [a] (mg/Kg)
Toluene	GC/MS	SW-846:8240	0.040	20,000
Xylenes (total)	GC/MS	SW-846:8240	0.032	200,000
SEMIVOLATILE ORGANICS				
bis(2-Ethylhexyl)phthalate	GC/MS	SW-846:8270	0.68	50

[a] Values taken from "Draft Preliminary Standards for RCRA Risk Assessment," Appendix 3, EPA Region VI, 20 February 1991; and 27 July 1990 Fed. Reg., "Corrective Action for SWMUs at Hazardous Waste Management Facilities; Proposed Rule," Appendix A.

[b] Chromatographic pattern did not match characteristic pattern.

IR = Infrared Spectrometry
ICPES = Inductively Coupled Plasma Emission Spectroscopy
GFAA = Graphite Furnace Atomic Absorption
CVAA = Cold Vapor Atomic Absorption
GC/MS = Gas Chromatography/Mass Spectrometry
SW-846 = Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, U.S. EPA, Office of Solid Waste and Emergency Response, November 1986, third edition.
EPA = Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020.
GC/FID = Gas Chromatography/Flame Ionization Detector
GC/ECD = Gas Chromatography/Electron Capture Detector

Table 2

Hits Above the RCRA Subpart S Action Criteria for Landfill 3

Sample ID (Action Criteria)	Antimony (32 mg/kg)	Beryllium (0.27 mg/kg)
CAN-105-3J-21	--	0.31
CAN-105-3J-22.5	88	0.2
CAN-105-3J-30	--	0.22
CAN-105-3K-22.5	--	0.26
CAN-105-3K-36	--	0.22
CAN-105-3L-30	--	0.4
CAN-105-3M-23.5	--	1.1
CAN-105-3MM-21	95	0.26
CAN-105-3MM-25	86	0.21
CAN-105-3MM-30.5	37	0.47
CAN-105-3MM-35	60	0.21
CAN-105-3N-30	--	0.78
CAN-105-3N-SFC	--	0.29
CAN-105-3P-21	--	0.27
CAN-105-3P-31	--	0.22
CAN-105-3Q-21	--	0.4
CAN-105-3Q-SFC	--	0.4
CAN-105-3R-21	--	0.29
CAN-105-3R-25	--	0.3
CAN-105-3R-31	--	0.3
CAN-105-3R-32.5	--	0.32
CAN-105-3R-35	--	0.36
CAN-105-3R-36	--	0.21
CAN-105-3S-25	--	0.29
CAN-105-3S-31	--	0.23

Table 2

(Continued)

Sample ID (Action Criteria)	Antimony (32 mg/kg)	Beryllium (0.27 mg/kg)
CAN-105-3S-36	--	0.2
CAN-105-3T-25	--	0.21
CAN-105-3U-20	--	0.45
CAN-105-3U-25	--	0.43
CAN-105-3U-30	--	0.34
CAN-105-3U-32.5	--	0.28
CAN-105-3U-61	--	0.34
CAN-105-3V-25.5	--	0.26
CAN-105-3VV-30	--	0.46
CAN-105-3VV-35	--	0.31

- Evaluate the analytical methods used;
- Evaluate the quality of data with respect to sample quantitation limits;
- Evaluate the quality of data with respect to qualifiers and codes;
- Evaluate the data with respect to blanks;
- Evaluate tentatively identified compounds;
- Compare potential site-related contamination with background; and
- Develop a set of data for use in the risk assessment.

Using this guidance, fourteen compounds were selected as chemicals of potential concern and used in this risk assessment. A detailed list of compounds, reasons for their selection and exclusion, are presented in the RFI report (1). A conceptual site model was prepared for the human health and ecological risk assessment. It included sources of contamination, potential migration pathways, and potentially exposed populations. The potential releases to media from contaminants originating at Landfill No. 3 addressed in this risk assessment are those to 1) ambient air, and 2) groundwater, and 3) surface water via runoff from the landfill. Potentially significant contaminant transport mechanisms were also considered. Exposure points and exposure routes were also evaluated. Four potentially significant pathways that exist at the site were identified. The pathways are identified and discussed in detail in the RFI report (1).

None of the estimated cancer risks for the various exposure scenarios exceed the Subpart S remediation risk range goal for multiple chemicals. All of the estimated noncarcinogenic hazard indices for the various exposure scenarios are below the Subpart S remediation goal of 1.0 for noncarcinogens.

The total hazard indices calculated for both the average and reasonable maximum exposure suggest that contaminants migrating off-site are not likely to cause adverse noncarcinogenic health effects in on-site adult workers, off-site residential

adults, and off-site residential children. The risks to wildlife resulting from exposure to contaminants were also evaluated and the level of exposure and resulting risks were found to be low. No further action is recommended.

3.0 ANALYTICAL DATA VALIDITY

A review of the RFI Draft Report for Landfill 3 at Cannon Air Force Base by EPA, Region VI, has raised several questions pertaining to the validity and usability of some of the analytical data presented in this report. These questions have focused on the two general issues of laboratory contamination and sample handling. This section provides additional information to address the questions that have been raised in both of these areas. Specifically, this section provides information about the frequency, level, and nature of contaminants associated with results for:

- TPH diesel;
- Mercury; and
- Other AA and ICP metals.

Finally, sample handling and the integrity of the field samples as received by the laboratory is also addressed.

3.1 Sample Contamination

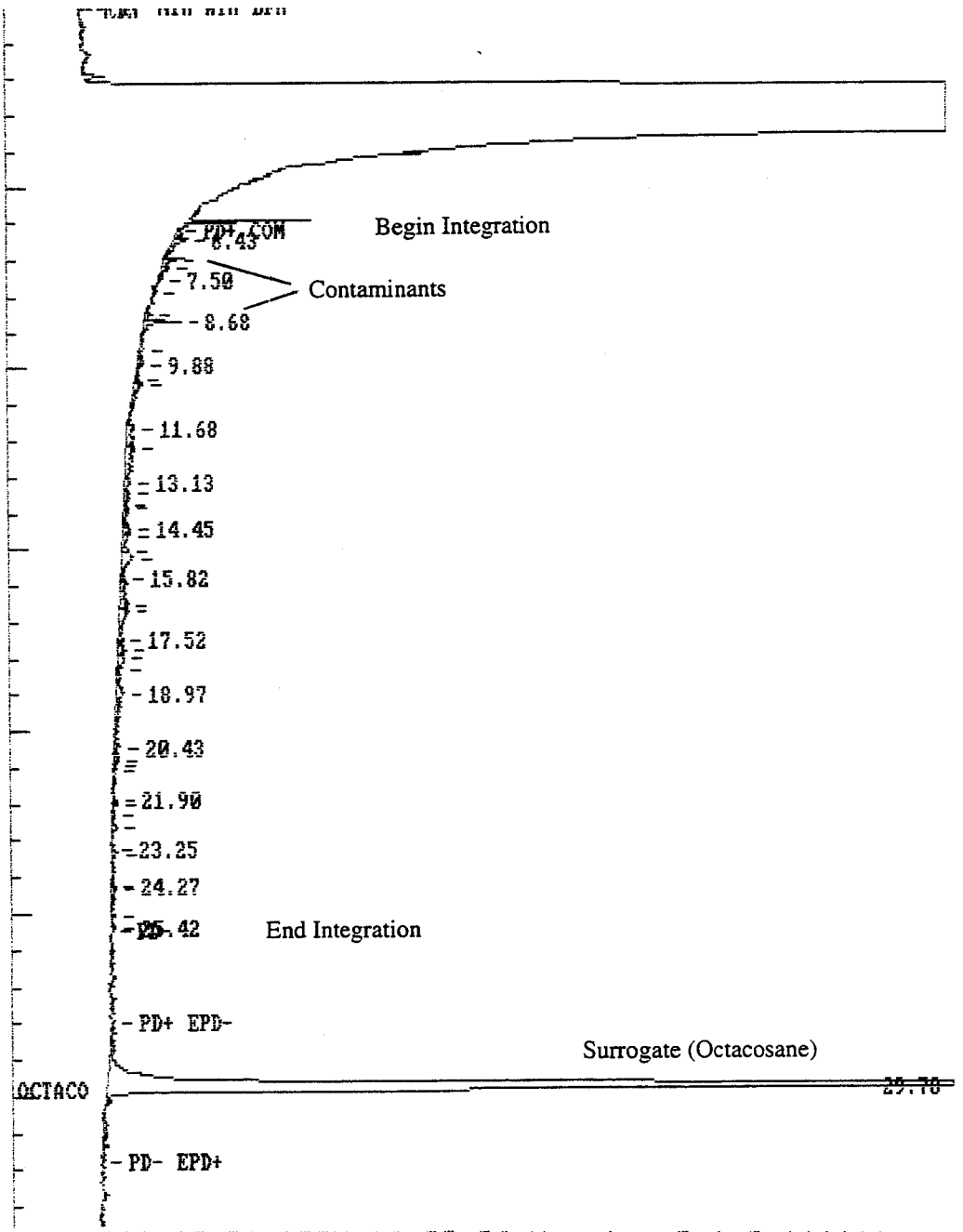
Reviewer comments indicate that Radian's RFI report left the reader with an impression that Cannon field and laboratory blanks exhibited unacceptable amounts of contamination. We attribute this impression primarily to the reporting conventions required by the end use of the Cannon RFI data. Specifically, many of the laboratory results were reported in an uncensored manner. As such, numerical values were shown for results which otherwise would have been reported as "not detected." Thus, the frequencies at which analytes were reported in the blanks are inflated over that which otherwise would have been seen. Data presentations in QC Summary reports left a similar impression of laboratory contamination because summaries and discussions were tailored to facilitate data interpretation for risk assessment, rather than summarizing results in terms of acceptance criteria presented in the QAPP.

Detailed data validation of the Cannon data (3) indicated that all Landfill 3 blank results were within blank acceptance criteria specified in the Quality Assurance Project Plan (2). Furthermore, the levels of background contamination seen in the blank results were either well below regulatory action levels or well below field sample concentrations, or contamination was determined to be inconsequential because the target analyte was not detected at any level in the associated field samples. For these reasons the measurement results are considered valid for their intended use in developing remedial action recommendations. Additional information is provided below regarding results for diesel and mercury analyses, which have been identified as specific areas of concern. Other metals results are also addressed.

3.1.1 Diesel Results

The contamination giving rise to "hits" in the Cannon field and laboratory TPH diesel blanks was identified for all of the Cannon analyses as not being attributable to diesel. An example chromatogram of a Landfill 3 laboratory blank in which the contamination was present is shown in Figure 1. As indicated in the figure, the contamination shows up as two or three peaks eluting very early in the diesel retention time window. A typical chromatogram of a diesel standard (the laboratory control sample, which is carried through the extraction step like a sample) is shown for comparison in Figure 2. Comparison of the two chromatograms clearly shows, first of all, that the contaminant is not diesel. It further shows that the contamination would not interfere with the detection of diesel if it were actually present in the field samples. This further illustrated in Figure 3, which shows a chromatogram of a diesel standard (a Landfill 3 laboratory control sample) in which the contamination is present. In this figure, the characteristic diesel pattern is still clearly identifiable, despite the presence of the contaminant peaks. Finally, Figure 4 shows an example chromatogram of a Landfill 3 sample. The characteristic contaminant peaks are visible, as are several other

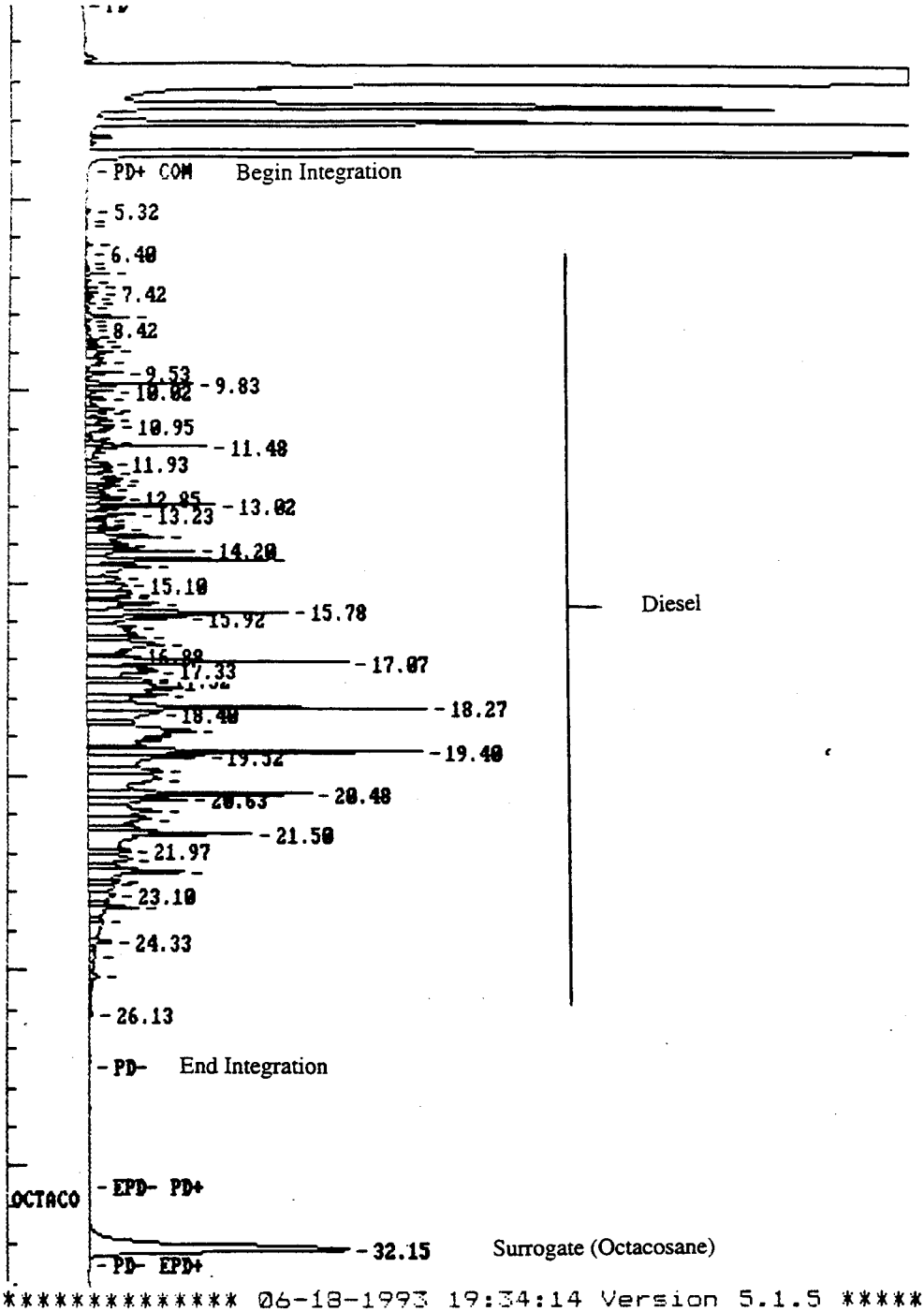
Areas, times, and heights stored in: C:OM2938.ATB
Data File = C:OM2938.PTS Printed on 10-21-1993 at 14:28:21
Start time: 0.00 min. Stop time: 39.00 min. Offset: 0 mv.
Full Range: 25 millivolts




```
******************** 10-21-1993 14:28:04 Version 5.1.5 ********************
* Sample Name: 9207495O9ARB, METHOD BLANK          Data File: C:OM2938      *
* Date: 08-29-1992 23:43:44 Method: C:DM033021 10-21-1993 14:11:10  #  357*
* Interface: 0   Cycle#:  38   Operator DKS Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: .001  Area Threshold: 75            *
*****************************************************************************
* Instrument Type: MONTE                    Column Type: DB-1               *
*            Solvent Description:                                           *
* Conditions:                                                               *
*            Detector 0: FID                  Detector 1:                   *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 1. Example Chromatogram of Diesel Blank with Contamination

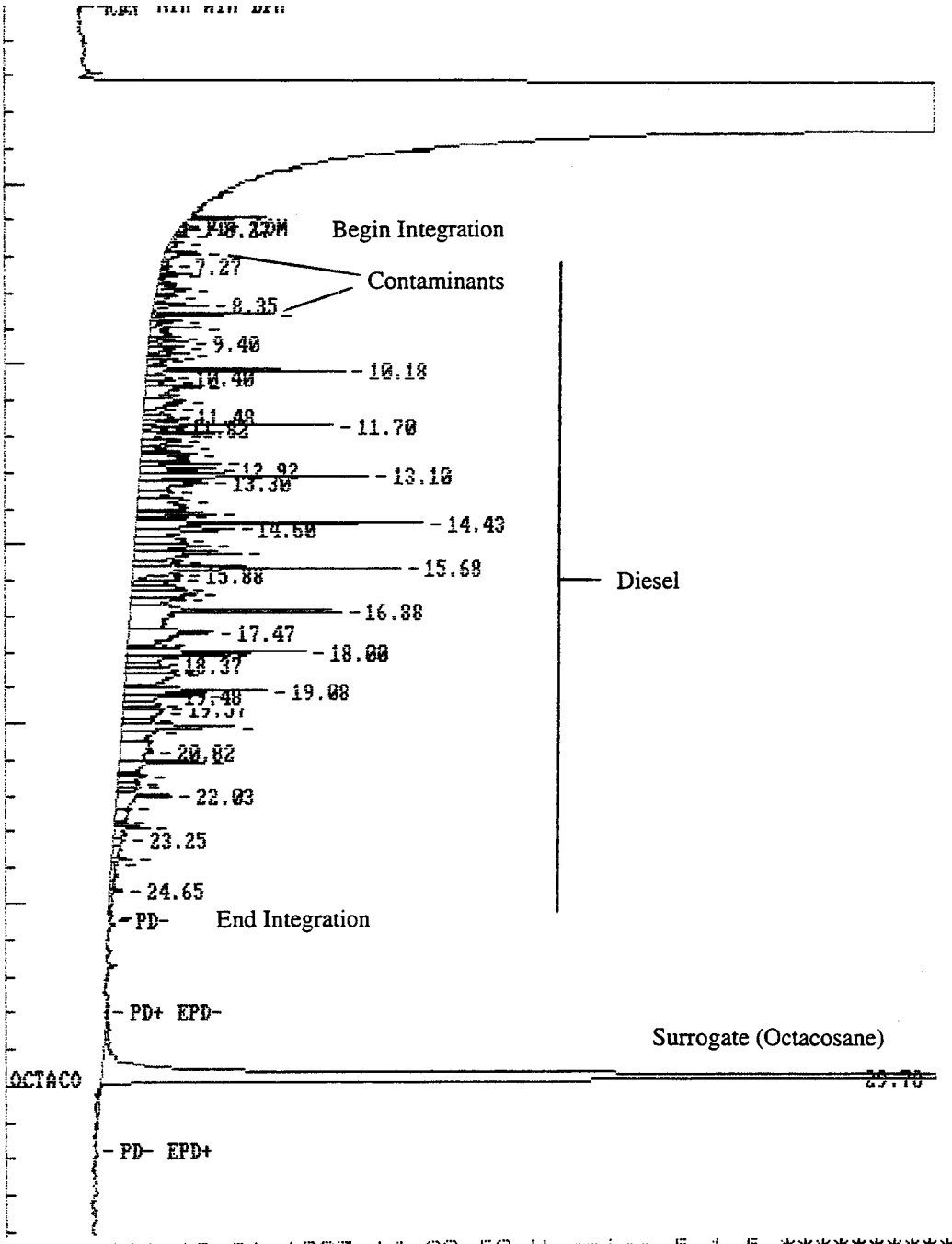
as, times, and heights stored in: W:113FR6.ATB
a File = W:113FR6.PTS Printed on 06-18-1993 at 19:34:57
rt time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
l Range: 75 millivolts




```
******************** 06-18-1993 19:34:14 Version 5.1.5 ********************
* Sample Name: LCS93606,-LCS                    Data File: W:113FR6        *
* Date: 06-18-1993 18:59:11 Method: W:113FPT  06-17-1993 09:03:17  #  421 *
* Interface: 14  Cycle#:  6    Operator DKS Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: GERMAINE GC11          Column Type: DB-1               *
*              Solvent Description:                                       *
* Conditions: 40C 2MIN 10C/MIN 270C 10MIN                                 *
*             Detector 0: FID                  Detector 1:                *
* Misc. Information:                                                      *
*************************************************************************
```

Figure 2. Example Chromatogram of Diesel Standard (Recent LCS) Without Contamination

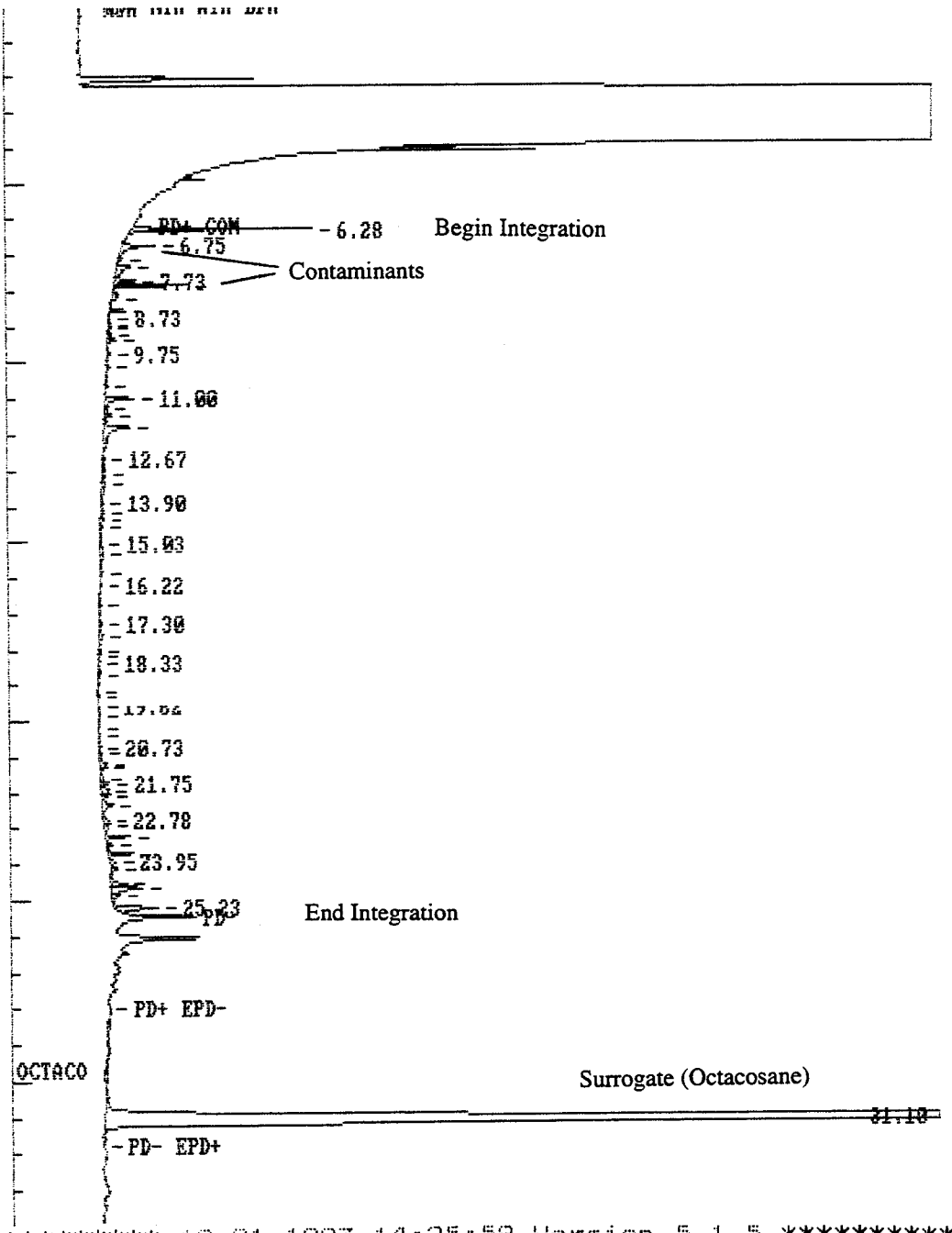
```
Areas, times, and heights stored in: C:OM2940.ATB
Data File = C:OM2940.PTS  Printed on 10-21-1993 at 14:14:54
Start time:    0.00 min.  Stop time:   39.00 min.     Offset:   0 mv.
Full Range:  25  millivolts
```




```
******************** 10-21-1993 14:28:58 Version 5.1.5 ********************
* Sample Name: 920749511ALCSD, CANNON              Data File: C:OM2940      *
* Date: 08-29-1992 25:17:11 Method: C:DM033021 10-21-1993 14:11:10  #  357*
* Interface: 0   Cycle#:  40   Operator DKS Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .001  Area Threshold: 75           *
*****************************************************************************
* Instrument Type: MONTE                  Column Type: DB-1                 *
*            Solvent Description:                                           *
* Conditions:                                                               *
*            Detector 0: FID                  Detector 1:                   *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 3. Example Chromatogram of Diesel Standard (Landfill 3 LCS) With Contamination

Areas, times, and heights stored in: C:OM119.ATB
Data File = C:OM119.PTS Printed on 10-21-1993 at 14:26:07
Start time: 0.00 min. Stop time: 39.00 min. Offset: 0 mv.
Full Range: 25 millivolts




```
******************** 10-21-1993 14:25:58 Version 5.1.5 ********************
* Sample Name: 920720901A, CAN-105-3R-25          Data File: C:OM119        *
* Date: 08-02-1992 02:18:57 Method: C:DM033021 10-21-1993 14:11:10  #  357*
* Interface: 0   Cycle#:  19   Operator DKS Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: .001  Area Threshold: 75            *
*****************************************************************************
* Instrument Type: MONTE                  Column Type: DB-1                 *
*            Solvent Description:                                           *
* Conditions:                                                               *
*          Detector 0: FID                    Detector 1:                   *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 4. Example Chromatogram of Landfill 3 Samples With Contamination

small peaks. However, the diesel pattern is clearly absent in this chromatogram. Like the other Landfill 3 results for diesel analyses, the result of 16.8 mg/kg reported for this sample was flagged as not matching the diesel pattern.

The maximum concentration of contamination observed in any of the Cannon Landfill 3 diesel blanks was 6.6 mg/kg. Because there are no method-specified or federally-established detection limits for diesel, laboratories often use reporting limits of their own or default to limits established by the state in which the samples were collected. New Mexico does not specify required detection or reporting limits for diesel analyses. Had the diesel reporting limit been set at the method reporting limits established by the states of Washington (50 mg/kg), Arizona (40 mg/kg), or California (10 mg/kg), all Landfill 3 laboratory blanks would have been reported as "not detected." However, because of the need for uncensored data for use in risk assessment, Radian reported all results as obtained. For results below the Radian detection limit (5 mg/kg for soil samples) the values were flagged with a "J" flag in the laboratory reports.

In addition to the "J" flag indicating results below the detection limit, results for all samples and blanks were flagged (with a "G" flag) as not meeting the identification criteria for diesel. Despite this qualitative flag on the results reported by the laboratory, the reports provided to EPA were generally misleading with respect to the identity of the contaminant. Neither Radian's RFI report nor the MRD data quality report for Landfill 3 explicitly noted that the chromatographic pattern observed in the blanks and samples did not match the characteristic diesel pattern. This omission in the text of the reports is likely the source of much of the confusion and concern surrounding the diesel data.

Cannon diesel analyses continued uninterrupted because the contaminant did not interfere with the laboratory's ability to identify diesel and because the concentration of the contaminant was below the acceptance limit for diesel blanks specified in the QAPP (five times the method detection limit, or 25 mg/kg in soil

samples). Since diesel was not present in the samples the contamination also did not interfere with diesel quantitation.

In summary, the contamination that was seen and reported in the Landfill 3 diesel analyses was not diesel. The contaminant peaks were quantitated and reported because they fell within the retention time window for diesel, but the results were clearly flagged in the laboratory reports as not matching the diesel pattern. Because the contaminant peaks eluted very early in the diesel window, they would not have interfered with the laboratory's ability to detect the characteristic diesel pattern had diesel been present in any of the field samples. The contamination also did not interfere with diesel quantitation, since diesel was not detected in any samples. Had the diesel results been reported using a censored data reporting convention like that typical of many laboratories, few, if any, of the contaminant values would have been reported, since they fall below commonly used method reporting limits. Finally, all diesel results are considered valid because all blank results met the blank acceptance criteria specified in the project QAPP. There is no impact on Cannon measurement data quality or on decisions based on the data due to either the nature or level of this contamination.

Radian has been working since the contaminant was first observed in the diesel analyses to identify and eliminate it, as part of the process of continuous improvement in Radian's laboratory, . This work has shown the contaminant (or contaminants) to be attributable to surface interactions between samples and glass surfaces that have had contact with freon. Freon is used as the extraction solvent for Total Petroleum Hydrocarbon analyses using EPA Method 9071 (Soxhlet extraction) for analysis by EPA Method 418.1 (IR). Historically, glassware used in the Method 9071 extractions was commingled with glassware from other extraction methods during the glassware washing steps. This appears to have been the primary route of contamination. Steps have been taken to segregate the glassware used in the Method 9071 extractions, and this has resulted in a marked decrease in contamination levels seen in the diesel analyses. Radian is currently in the process of completely segregating the freon

extractions from other extractions altogether, in an effort to further reduce both the incidence and magnitude of contamination. Figure 5 shows a plot of results for diesel laboratory blanks covering a time period from July 1992 to the present. This time period includes all of the Cannon work (July 1992 through early December 1992). As indicated in the plot, the average level of concentration has been significantly reduced, particularly over the past six to eight months. The uncontaminated LCS shown in Figure 3, above, is an example of current performance.

3.1.2 Mercury Results

The impression of unacceptable levels of mercury contamination is attributable primarily the reporting conventions used for these data. Here again, the tailoring of the data summaries for risk assessment interpretation magnified the frequency for which contaminants were reported in the blanks. Results for mercury did not exceed the QAPP blank acceptance criterion for any of the mercury blanks for Landfill 3. However, because the RFI and QCSR reports were tailored to facilitate interpretation of the data for risk assessment, all blank results above the detection limit were reported in these reports. The contamination reported for the mercury blanks in Landfill 3 was ultimately traced to a bad calibration standard; mercury contamination was determined not to be present in these blanks. The problem with the standard was identified and corrected in early October 1992.

Figure 6 shows a plot of laboratory blank results for mercury over the time period from April 1992 to the present. As indicated in the figure, mercury results for blanks averaged about 0.0001 mg/L and ranged up to about 0.0002 mg/L up until mid-August 1992. Elevated levels, averaging about 0.0003 mg/L and ranging up to about 0.0004 mg/L were seen in blanks analyzed over the next couple of months. The RFI and QCSR reports summarized all blank values above the detection limit of 0.00018 mg/L. This level is nominally equivalent to a soil concentration of 0.045 mg/kg, when the different sample sizes are taken into account. The laboratory criterion for re-extraction

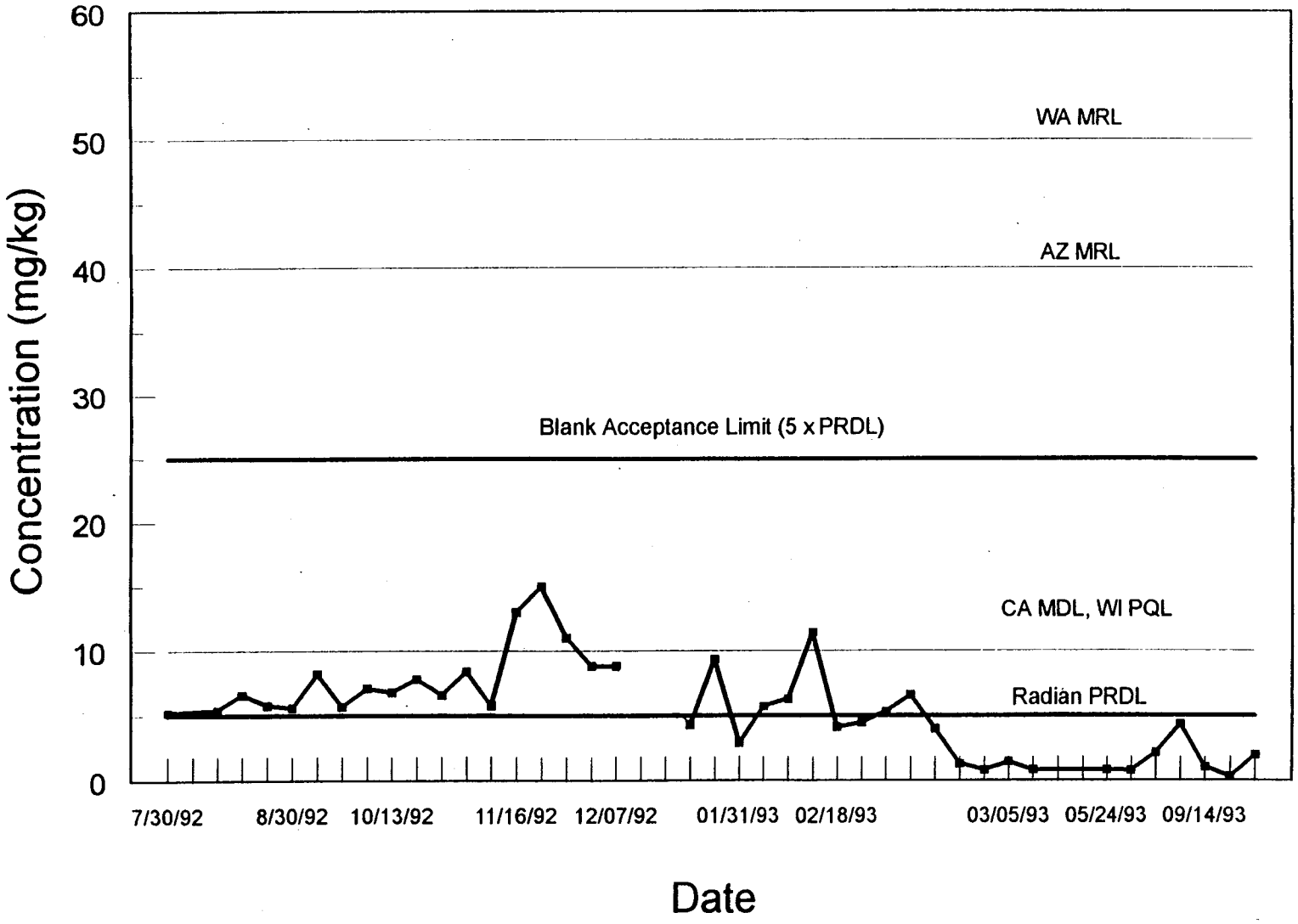


Figure 5. **Laboratory Blank Results for Diesel - July 1992 through September 1993**

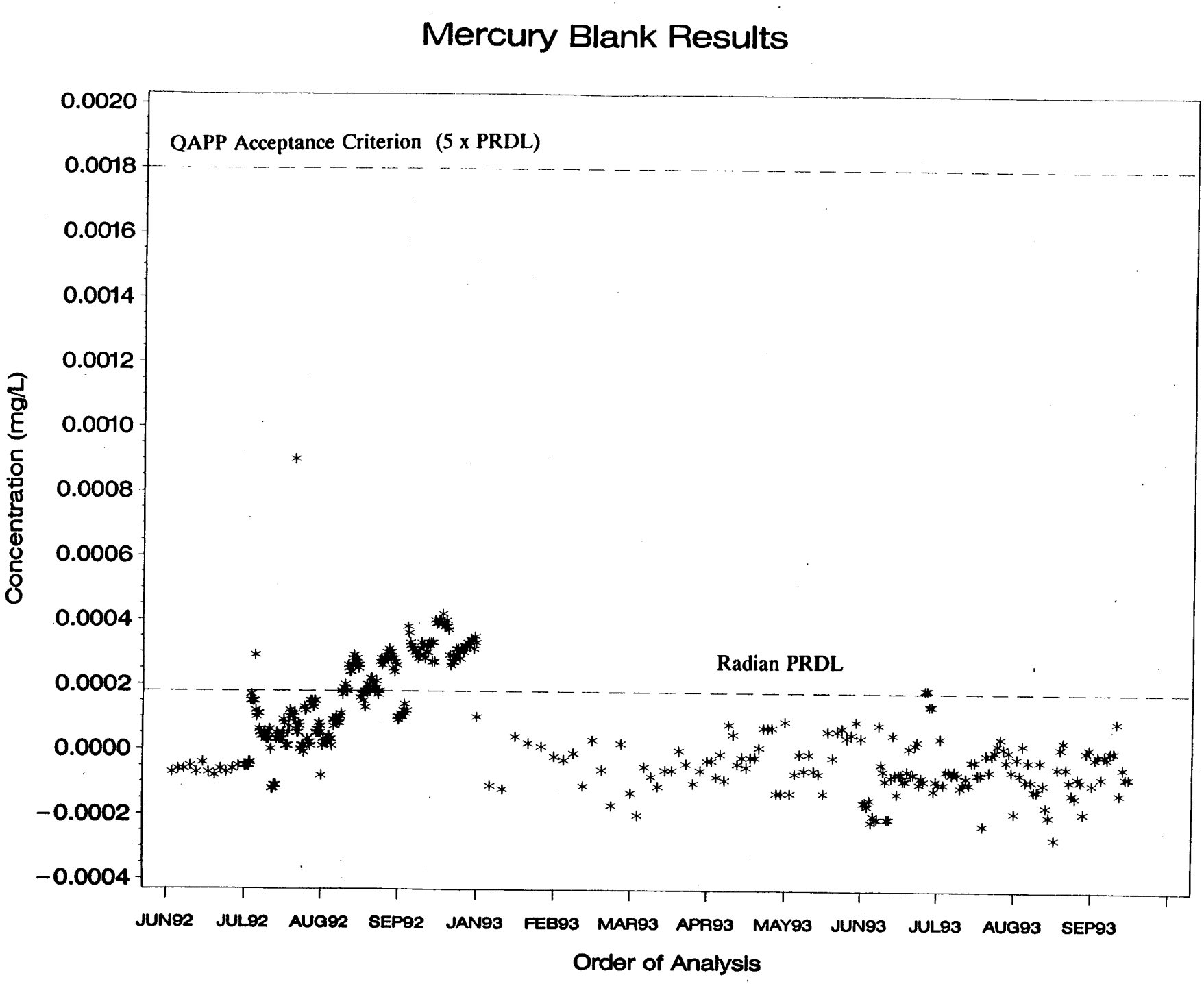


Figure 6. Laboratory Blank Results for Mercury - June 1992 through September 1993

and reanalysis of samples was stated in the QAPP as ten times the detection limit (PRDL) or 0.0018 mg/L. The equivalent soil concentration is 0.45 mg/kg. The highest result reported for any of the Landfill 3 method blanks was 0.00024 mg/L, which is comparable to a soil concentration of 0.06 mg/kg. This concentration is well over two orders of magnitude below the RCRA Subpart S Action Level for mercury in soil, which is 20 mg/kg.

Mercury analyses for Cannon samples continued during this period, since the levels of mercury in the blanks were below the criterion for re-extraction and reanalysis. The laboratory did, however, initiate an effort to identify and eliminate the source of this "apparent contamination." The "apparent contamination," was ultimately traced to a bad calibration standard. The low standard had decreased in concentration over time, which caused the y-intercept of the calibration curve to be negative. This, in turn, introduced a bias of 0.0001 to 0.0003 mg/L in the measured concentrations. Figure 7 shows a mercury calibration curve from August 1992, showing the negative intercept. When new calibration standards were prepared in mid-October, the negative intercept was corrected.

In addition to correcting the bias associated with the bad standard Radian also added two new criteria to the mercury analytical method, to prevent a similar problem from occurring in the future. First, mercury stock and intermediate standards are now prepared fresh at least monthly. Second, an additional acceptance criterion was added to the criteria for mercury calibration curves pertaining to the acceptable range for the y-intercept. As indicated in Figure 6, these measures have been effective in controlling mercury blank results at levels below the reported laboratory detection limit and default reporting limit (i.e., below the PRDL).

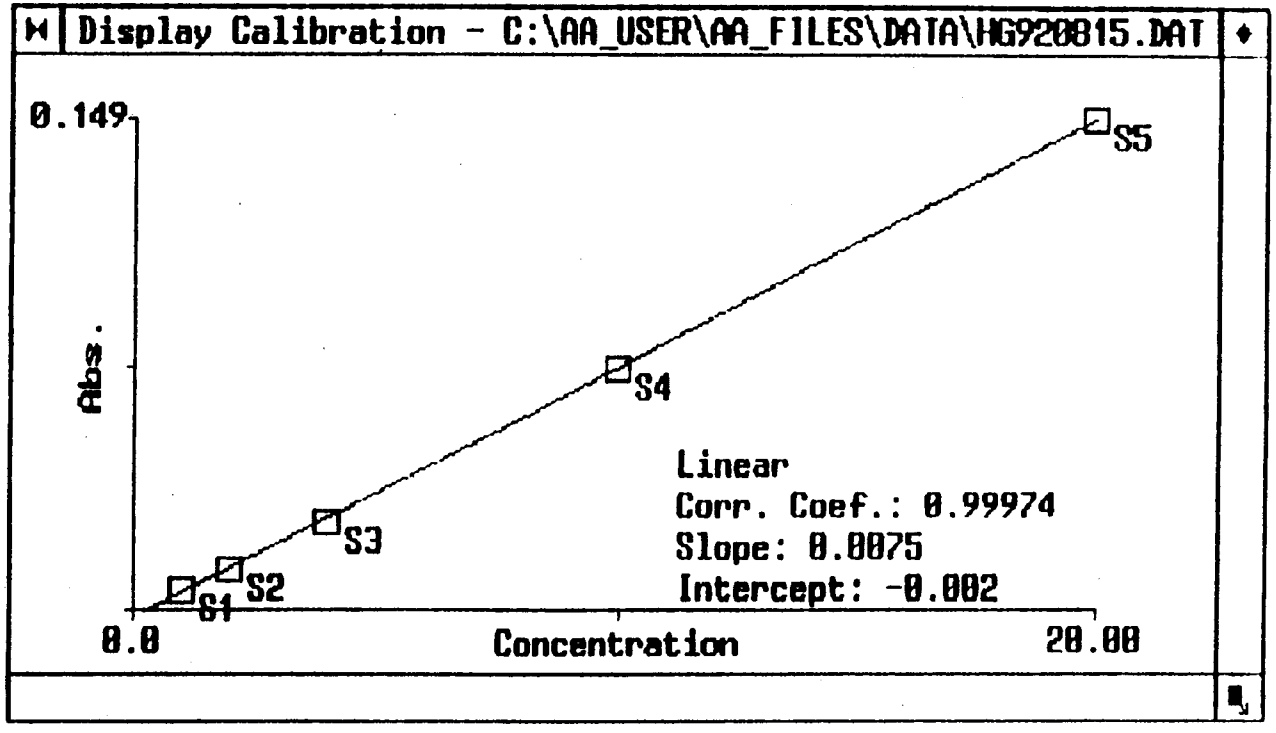


Figure 7. Example Mercury Calibration Curve Showing Negative y-Intercept

Thus, the levels of mercury reported in the blanks not only met the acceptance criteria stated in the QAPP, but were so much lower than the levels of concern for the project objectives, that there is clearly no negative impact on the usability of the mercury data for its intended purpose.

3.1.3 Other Metals Results

In addition to mercury, several other metals were also occasionally detected in field or laboratory blanks. However, no blank results for any of the metals exceeded the blank acceptance criteria specified in the QAPP (five times the detection limit). Also, the frequency of occurrence above the detection limit was very low for the other metals.

Other than mercury, lead and arsenic were the only metals analyzed by atomic absorption spectroscopy (AA) that were reported in Cannon blanks at concentrations above the detection limit. Lead was reported above the detection limit in a total of 5 blanks (two field blanks and three lab blanks) out of the 7 field blanks and 13 lab blanks collected for Landfill 3. The highest value reported for lead in any of the laboratory blanks was 1.1 mg/kg, which is over two orders of magnitude below the Subpart S Action Level (114 mg/kg). The highest field blank result was 0.0078 mg/L, which is less than three times the detection limit and also represents levels over two orders of magnitude below the Action Level.

Arsenic was reported in one method blank out of a total of 31 field and laboratory blanks analyzed for Landfill 3. The concentration in this blank was 0.78 mg/kg, which is less than two times the detection limit and over two orders of magnitude below the Subpart S Action Level for arsenic.

Iron was the most frequently occurring ICP (i.e., EPA Method 6010) metal in the Landfill 3 field and laboratory blanks. It was detected above the detection limit in four of the 26 blanks analyzed for Landfill 3. Copper, the second most frequently occurring, was detected in three blanks. Sodium, silver, and aluminum were reported above the detection limit in one blank each. Antimony, which is the only of these metals other than lead with a health-based action level, was reported at the detection limit of 10 mg/kg in one blank. The Action Level for antimony is 32 mg/kg.

Neither the observed concentrations nor the frequencies of detection for the AA and ICP metals is considered to indicate a systematic problem of metals contamination. Rather, the perception of a contamination problem is attributed to the reporting conventions and format used in the Cannon reports.

3.2 Sample Handling

Apart from the general issue of laboratory contamination, the other area that has been raised as a concern regarding impact on sample integrity and data usability is the general issue of sample handling. This impression is attributable to qualitative statements in MRD's data quality reports that are generally misleading with regard to overall sample handling on the Cannon Landfill RFI projects. The general concerns raised in the MRD reports pertain to an implied inability to discern sample identifications in some cases and to the condition (primarily temperature) of samples upon arrival at the laboratory. MRD is reviewing their documentation regarding sample receipt at their laboratory, and is providing a separate assessment of sample integrity as pertains to the QA splits.

As an integral part of Radian's laboratory operations, sample integrity is checked and documented upon sample arrival at the laboratory. Any exceptions or anomalies are noted and the project team is contacted to determine how to proceed with the affected samples. Additionally, as part of Radian's continuous improvement process,

the laboratory staff communicates directly with our field sampling teams any changes or improvements that they need to make with respect to sample packaging, labeling, shipping, and custody documentation.

One hundred eighty samples, with over 790 individual sample splits, were collected for the Cannon Landfill 3 remedial investigation. All samples sent to the Radian laboratory, except for those shown in Table 3, were received and documented by the Radian laboratory as uncompromised samples. Exceptions were noted for the sample splits listed in Table 3. These splits, which were collected over a single two-day period (Monday and Tuesday) were noted as not meeting the temperature criterion of 4°±2°C upon receipt. Replacement samples were obtained by resampling for all sample splits that arrived outside the acceptable temperature range. The identities of the specific sample splits affected are listed in Table 3.

In summary, the frequency of occurrence of problems associated with the Cannon Landfill investigations are not atypical for a sampling effort of this magnitude. Samples were received outside temperature limits on only two days. No sample identification problems were noted by the Radian laboratory personnel. The data presented in the Cannon Landfill RFI report resulted from samples whose integrity was not compromised during shipping and handling.

Table 3

Summary of Samples Received by the Radian Laboratory Above 6°C

Date Received	Date Initially Sampled	Sample ID	Splits Arriving Warm	Date Resampled	Splits Recollected
7/22/92	7/20/92	CAN-105-3M-21	metals, 418.1, 8080, 8240, 8270	7/24/92	metals, 418.1, 8080, 8240, 8270
		CAN-105-3M-25	metals, 418.1, 8080, 8240, 8270	7/24/92	metals, 418.1, 8080, 8240, 8270
	7/21/92	CAN-105-3M-30.5	metals, 418.1, 8080, 8240, 8270	7/24/92	metals, 418.1, 8080, 8240, 8270
		CAN-105-3M-35	metals, 418.1, 8015, 8080, 8150, 8240, 8270	7/24/92	metals, 418.1, 8015, 8080, 8150, 8240, 8270
		CAN-105-3M-37.5	metals, 418.1, 8080, 8240, 8270	7/24/92	metals, 418.1, 8080, 8240, 8270

REFERENCES

1. Radian Corporation, 1993. RCRA Facility (RFI) Report, Landfill No. 3, SWMU No. 105, IRP Site LF-3, Houston, Texas, January 1993.

2. Radian Corporation, 1992. Quality Assurance Project Plan (QAPP), Landfill No. 3, SWMU No. 105, IRP Site LF-3, Austin, Texas, September 1992.

3. Radian Corporation, 1993. Quality Control Summary (QCSR) Report, Landfill No. 3, SWMU No. 105, IRP Site LF-3, Austin, Texas, April 1993.

LIBRARY COPY

Supplemental Report
RCRA Facility Investigation (RFI)

SWMU No. 104 - Landfill No. 4
Air Force Project Number CZQZ91-7006

Cannon Air Force Base
New Mexico

October 1993

SUPPLEMENTAL REPORT
LANDFILL NO. 4
SWMU NO. 104
IRP SITE LF-4

Prepared for:

U.S. Army Corps of Engineers
Omaha District

Prepared by:

Radian Corporation
10675 Richmond Avenue, Suite 190
Houston, Texas 77042

October 1993

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1-1

2.0 SUMMARY OF FINDINGS 2-1

3.0 ANALYTICAL DATA VALIDITY 3-1

3.1 Sample Contamination 3-1
3.1.1 Diesel Results 3-2
3.1.2 Mercury Results 3-9
3.1.3 Other Metals Results 3-14
3.2 Sample Handling 3-15

REFERENCES

LIST OF FIGURES

		Page
1	Example Chromatogram of Diesel Blank with Contamination	3-3
2	Example Chromatogram for Diesel Standard (Recent LCS) Without Contamination	3-4
3	Example Chromatogram for Diesel Standard (Landfill 4 LCS) With Contamination	3-5
4	Example Chromatogram of Landfill 4 Sample with Contamination	3-6
5	Laboratory Blank Results for Diesel - July 1992 through September 1993	3-10
6	Laboratory Blank Results for Mercury - June 1992 through September 1993	3-11
7	Example Mercury Calibration Curve Showing Negative y-Intercept	3-13

LIST OF TABLES

		Page
1	Landfill 4 Analytical Methods and Health-Based Levels and Maximum Sample Concentrations	2-3
2	Hits Above RCRA Subpart S Action Criteria for Landfill 4	2-6

1.0 INTRODUCTION

As part of the review process for the Cannon Air Force Base landfill investigations, supplementary information has been requested to assist in the documentation of findings from the sites. This report specifically supplements the Remedial Investigation (RI) Report (January 1993) and the Quality Control Summary Report (March 1993), previously provided, which document findings from Cannon Air Force Base Landfill 4 (SWMU 104). Additional information is provided regarding:

- The impact of the landfill on human health and the environment (Section 2); and
- The validity of the analytical data and its fitness for use in determining the impact of Landfill 4 (Section 3).

2.0 SUMMARY OF FINDINGS

Radian performed a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) type Remedial Investigation (RI), including Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) requirements and risk assessment, for Landfill No. 4 at Cannon Air Force Base, New Mexico. Results of this investigation are presented in an RFI report (1) which includes a risk assessment. Based on the data evaluated during this work, the risk to human health and the environment from the landfill is considered to be acceptable and no further action is recommended.

Ten soil borings were completed at Cannon Air Force Base Landfill 4 (SWMU 104). Additionally, five surface samples and one surface background sample were collected. One hundred twenty six samples were analyzed for volatile organics, semivolatile organics, pesticides and PCBs, total recoverable petroleum hydrocarbons, and metals. Thirty six of these samples were also analyzed for herbicides and total petroleum hydrocarbons. The majority of the analytical work was conducted by Radian Corporation, Austin, Texas. The graphite furnace atomic absorption work (selected metals) was subcontracted to Enseco Laboratories, Arvada, Colorado.

The analytical data was validated according to the guidelines published in the USACE Engineering and Design *Chemical Data Quality Management for Hazardous Waste Remedial Activities*, ER 1110-1-263, 1 October 1990 and the Quality Assurance Project Plan (2). Quality control data are summarized in the Quality Control Summary Report (3). The data were found to be satisfactory for use.

To assess the impact of Landfill 4 on human health and the environment, the data were compared to the RCRA Subpart S action levels and a comprehensive risk assessment was performed. The results of those tests are discussed below.

When the data were compared to action levels, it was noted that beryllium was reported above the RCRA Subpart S health based level of 0.2 mg/Kg. However, beryllium in the background samples was also above this level. The concentrations reported in the samples from Landfill 4 were statistically determined to be at background levels. A table of RCRA Subpart S action levels versus the highest hits reported in the data is presented as Table 1. All of the hits above RCRA Subpart S action levels, by location, are presented in Table 2.

In 27 of the 120 samples, the detection limits or sample concentrations for antimony determined by ICP exceeded the soil action level of 32 mg/kg. Seventeen of those samples were resubmitted for analyses by atomic absorption, which does not experience the strong interelemental effect of calcium on antimony as experienced by the ICP method. The 17 samples were selected in such a fashion as to provide a spacial representation of all the samples. All of the 17 samples were determined to contain less 3 mg/kg antimony (corrected for analytical bias), which is well below the soil action level. Therefore, no corrective action is recommended.

A comprehensive risk assessment was performed following guidance in the *Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual (Part A)* (USEPA, 1989a). Results of the risk assessment, including characterization of exposure setting, identification of chemicals of potential concern, exposure assessment, toxicity assessment, risk characterization and environmental evaluation are presented in the RFI report (1).

Chemicals of concern were identified by following eight steps to evaluate the analytical data:

- Gather all data available from the site investigation and sort by medium;
- Evaluate the analytical methods used;

Table 1

Landfill 4 Analytical Methods and Health-Based Levels and Maximum Sample Concentrations

Parameter	Analysis		Maximum Sample Concentration	Health-Based Levels
	Technique	Method	(mg/Kg)	RCRA* (mg/Kg)
METALS				
Aluminum	ICPES	SW-846:6010	16,000	--
Antimony	ICPES	SW-846:6010	42	32
Barium	ICPES	SW-846:6010	1,300	4,000
Beryllium	ICPES	SW-846:6010	0.56	0.2
Cadmium	ICPES	SW-846:6010	4.8	40
Calcium	ICPES	SW-846:6010	240,000	--
Chromium (total)	ICPES	SW-846:6010	16	400 (Cr VI)
Cobalt	ICPES	SW-846:6010	4.4	--
Copper	ICPES	SW-846:6010	6.6	--
Iron	ICPES	SW-846:6010	11,000	--
Magnesium	ICPES	SW-846:6010	14,000	--
Manganese	ICPES	SW-846:6010	160	--
Nickel	ICPES	SW-846:6010	9.9	2,000
Potassium	ICPES	SW-846:6010	3,200	--
Sodium	ICPES	SW-846:6010	330	--
Vanadium	ICPES	SW-846:6010	27	--
Zinc	ICPES	SW-846:6010	48	--
Arsenic	GFAA	SW-846:7060	7.7	80
Lead	GFAA	SW-846:7421	5.9	114
Mercury	CVAA	SW-846:7471	0.12	20
Selenium	GFAA	SW-846:7740	1.1	--

Table 1

(Continued)

Parameter	Analysis		Maximum Sample Concentration	Health-Based Levels
	Technique	Method	(mg/Kg)	RCRA[a] (mg/Kg)
TOTAL PETROLEUM HYDROCARBONS				
Diesel	GC/FID	SW-846:8015M	19[b]	--
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS				
Total Recoverable Petroleum Hydrocarbons	IR	EPA:418.1	87	--
ORGANOCHLORINE PESTICIDES AND PCBs				
Aldrin	GC/ECD	SW-846:8080	0.0007	0.04
beta-BHC	GC/ECD	SW-846:8080	0.0016	4
delta-BHC	GC/ECD	SW-846:8080	0.0015	--
gamma-BHC (Lindane)	GC/ECD	SW-846:8080	0.001	0.5
4,4'-DDD	GC/ECD	SW-846:8080	0.064	3
4,4'-DDE	GC/ECD	SW-846:8080	0.023	2
4,4'-DDT	GC/ECD	SW-846:8080	0.670	2
Endosulfan II	GC/ECD	SW-846:8080	0.0012	--
Endrin	GC/ECD	SW-846:8080	0.0013	20
Heptachlor epoxide	GC/ECD	SW-846:8080	0.033	0.08
PCB-1260	GC/ECD	SW-846:8080	0.0073	0.09
CHLORINATED HERBICIDES				
2,4,5-TP (Silvex)	GC/ECD	SW-846:8150	0.012	--
Dichloroprop	GC/ECD	SW-846:8150	0.188	--
MCPP	GC/ECD	SW-846:8150	11	--

Table 1
(Continued)

Parameter	Analysis		Maximum Sample Concentration	Health-Based Levels
	Technique	Method	(mg/Kg)	RCRA[a] (mg/Kg)
VOLATILE ORGANICS				
Acetone	GC/MS	SW-846:8240	0.170	--
Methylene chloride	GC/MS	SW-846:8240	0.022	90
Toluene	GC/MS	SW-846:8240	0.072	20,000
Xylenes (total)	GC/MS	SW-846:8240	0.0077	200,000

[a] Values taken from "Draft Preliminary Standards for RCRA Risk Assessment," Appendix 3, EPA Region VI, 20 February 1991; and 27 July 1990 Fed. Reg., "Corrective Action for SWMUs at Hazardous Waste Management Facilities; Proposed Rule," Appendix A.

[b] Chromatogram did not match characteristic pattern.

IR = Infrared Spectrometry
ICPES = Inductively Coupled Plasma Emission Spectroscopy
GFAA = Graphite Furnace Atomic Absorption
CVAA = Cold Vapor Atomic Absorption
GC/MS = Gas Chromatography/Mass Spectrometry
SW-846 = Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, U.S. EPA, Office of Solid Waste and Emergency Response, November 1986, third edition.
EPA = Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020.
GC/FID = Gas Chromatography/Flame Ionization Detector
GC/ECD = Gas Chromatography/Electron Capture Detector

Table 2

Hits Above RCRA Subpart S Action Criteria for Landfill 4

Sample ID (Action Criteria)	Antimony (32 mg/kg)	Beryllium (0.27 mg/kg)
CAN-104-4H-01	--	0.32
CAN-104-4H-02	--	0.44
CAN-104-4H-03	--	0.36
CAN-104-4H-04	--	0.25
CAN-104-4H-05	--	0.27
CAN-104-4I-01	--	0.34
CAN-104-4I-02	--	0.48
CAN-104-4I-03	--	0.22
CAN-104-4I-04	--	0.21
CAN-104-4II-01	--	0.5
CAN-104-4J-01	--	0.32
CAN-104-4J-03	--	0.31
CAN-104-4J-07	--	0.22
CAN-104-4JJ-01	--	0.45
CAN-104-4K-01	--	0.39
CAN-104-4K-02	--	0.35
CAN-104-4L-01	--	0.41
CAN-104-4L-02	--	0.42
CAN-104-4L-03	--	0.29
CAN-104-4L-04	--	0.22
CAN-104-4L-05	--	0.24
CAN-104-4L-06	--	0.21
CAN-104-4L-08	--	0.23
CAN-104-4LL-01	--	0.44
CAN-104-4M-01	--	0.3
CAN-104-4M-02	39	0.2
CAN-104-4M-04	42	0.2
CAN-104-4M-05	--	0.24
CAN-104-4M-06	--	0.22
CAN-104-4M-07	--	0.2
CAN-104-4M-08	--	0.21
CAN-104-4N-01	--	0.56

Table 2

(Continued)

Sample ID (Action Criteria)	Antimony (32 mg/kg)	Beryllium (0.27 mg/kg)
CAN-104-4N-02	--	0.49
CAN-104-4N-03	--	0.44
CAN-104-4N-04	--	0.25
CAN-104-4N-05	--	0.21
CAN-104-4P-01	--	0.48
CAN-104-4P-02	--	0.32
CAN-104-4P-03	--	0.27
CAN-104-4P-04	--	0.31
CAN-104-4P-05	--	0.26
CAN-104-4P-06	--	0.22
CAN-104-4Q-01	--	0.33
CAN-104-4Q-02	--	0.28
CAN-104-4QQ-01	--	0.46
CAN-104-4R-01	--	0.32
CAN-104-4R-02	--	0.27
CAN-104-4R-03	--	0.26
CAN-104-4R-04	--	0.23
CAN-104-4R-05	--	0.22
CAN-104-4R-06	--	0.21
CAN-104-4R-07	--	0.2
CAN-104-4RR-01	--	0.54
CAN-104-BG-01	--	0.42

- Evaluate the quality of data with respect to sample quantitation limits;
- Evaluate the quality of data with respect to qualifiers and codes;
- Evaluate the data with respect to blanks;
- Evaluate tentatively identified compounds;
- Compare potential site-related contamination with background; and
- Develop a set of data for use in the risk assessment.

Using this guidance, twenty-two compounds were selected as chemicals of potential concern and used in this risk assessment. A detailed list of these compounds, a reason for their selection and exclusion, are presented in the RFI report (1). A conceptual site model was prepared for the human health and ecological risk assessment. It included sources of contamination, potential migration pathways, and potentially exposed populations. The potential releases to media from contaminants originating at Landfill No. 4 addressed in this risk assessment are those to 1) ambient air, 2) groundwater, and 3) surface water via runoff from the landfill. Potentially significant contaminant transport mechanisms were also considered. Exposure points and exposure routes were also evaluated. Eight potentially significant pathways that exist at the site were identified. These pathways are identified and discussed in detail in the RFI report (1).

None of the estimated cancer risks for the various exposure scenarios exceed the Subpart S remediation risk range goal. For multiple chemicals, all of the estimated noncarcinogenic hazard indices for the various exposure scenarios are below the Subpart S remediation goal of 1.0 for noncarcinogens. It was determined that dermal contact with aldrin could represent a potential carcinogenic risk for workers at the site.

Aldrin was reported in two surface samples, Borehole 4II (a landfill sample) at 0.67 μg/Kg and at CAN-104-BG-01 (a background sample) at 0.58 μg/Kg. Aldrin was not detected in the other four surface samples collected at the landfill. Aldrin was not detected in the method blanks associated with the samples from this landfill. Because aldrin was detected in the investigative sample and in the background sample at similar levels, these results suggest that the source of the aldrin may be the farm related activity at the field next to the site.

The baseline risk assessment for Cannon Air Force Base Landfill 4 based on current data indicates that there is little likelihood that adverse human health effects will occur as a result of exposure to contaminants originating at the site and that the risks to wildlife in the area are low. Additionally, migration of contaminants to the groundwater was shown to be insignificant. Therefore, the risk to human health and the environment is considered to be acceptable and no further action is recommended.

3.0 ANALYTICAL DATA VALIDITY

A review of the RFI Draft Report for Landfill 4 at Cannon Air Force Base by EPA, Region VI, has raised several questions pertaining to the validity and usability of some of the analytical data presented in this report. These questions have focused on the two general issues of laboratory contamination and sample handling. This section provides additional information to address the questions that have been raised in both of these areas. Specifically, this section provides information about the frequency, level, and nature of contaminants associated with results for:

- TPH diesel;
- Mercury; and
- Other AA and ICP metals.

Finally, sample handling and the integrity of the field samples as received by the laboratory is also addressed.

3.1 Sample Contamination

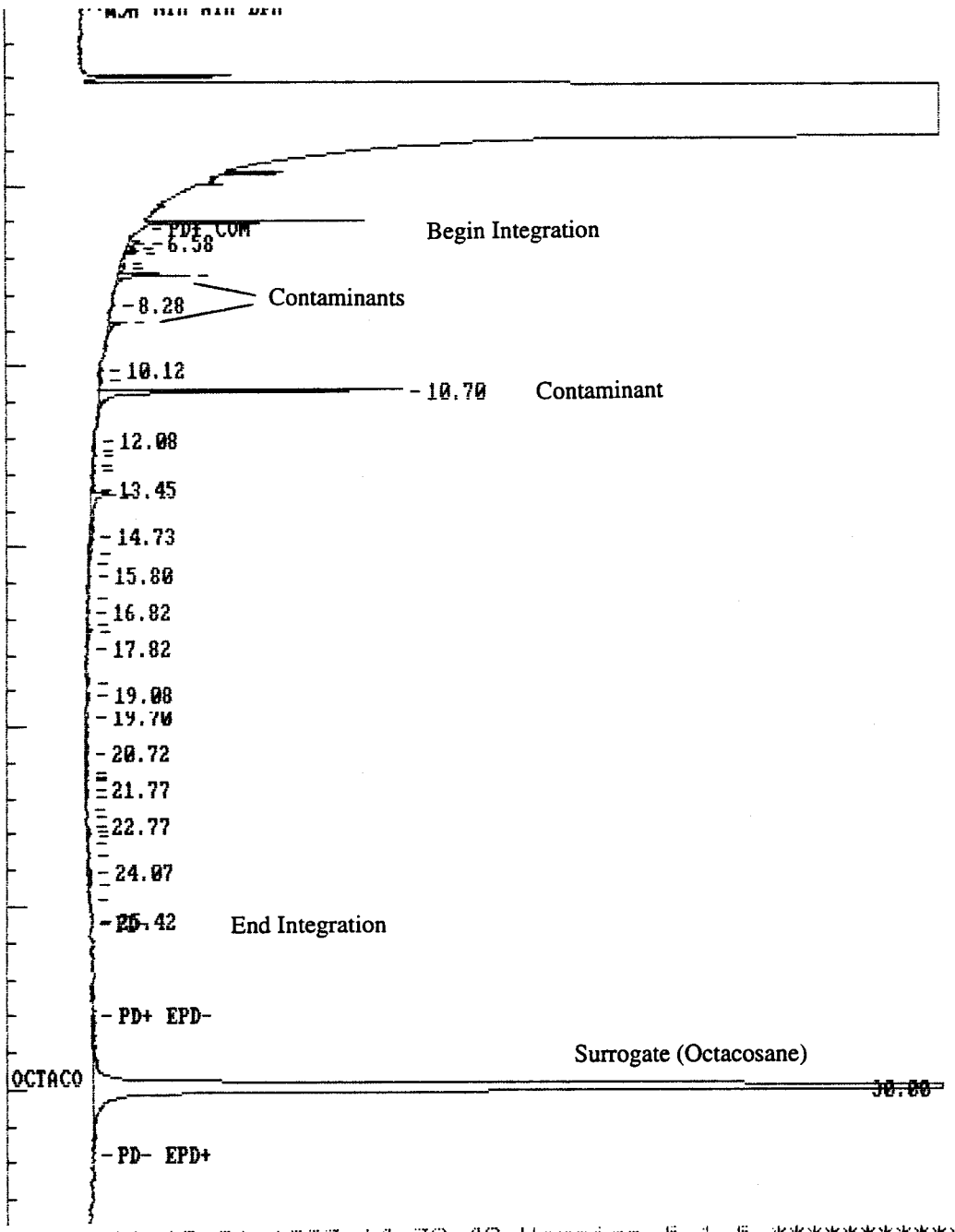
Reviewer comments indicate that Radian's RFI report left the reader with an impression that Cannon field and laboratory blanks exhibited unacceptable amounts of contamination. We attribute this impression primarily to the reporting conventions required by the end use of the Cannon RFI data. Specifically, many of the laboratory results were reported in an uncensored manner. As such, numerical values were shown for results which otherwise would have been reported as "not detected." Thus, the frequencies at which analytes were reported in the blanks are inflated over that which otherwise would have been seen. Data presentations in QC Summary reports left a similar impression of laboratory contamination because summaries and discussions were tailored to facilitate data interpretation for risk assessment, rather than summarizing results in terms of acceptance criteria presented in the QAPP.

Detailed data validation of the Cannon data (3) indicated that all Landfill 4 blank results were within blank acceptance criteria specified in the Quality Assurance Project Plan (2). Furthermore, the levels of background contamination seen in the blank results were either well below regulatory action levels or well below field sample concentrations, or contamination was determined to be inconsequential because the target analyte was not detected at any level in the associated field samples. For these reasons the measurement results are considered valid for their intended use in developing remedial action recommendations. Additional information is provided below regarding results for diesel and mercury analyses, which have been identified as specific areas of concern. Other metals results are also addressed.

3.1.1 Diesel Results

The contamination giving rise to "hits" in the Cannon field and laboratory TPH diesel blanks was identified for all of the Cannon analyses as not being attributable to diesel. An example chromatogram of a Landfill 4 laboratory blank in which the contamination was present is shown in Figure 1. As indicated in the figure, the contamination shows up as two or three peaks eluting very early in the diesel retention time window. A typical chromatogram of a diesel standard (the laboratory control sample, which is carried through the extraction step like a sample) is shown for comparison in Figure 2. Comparison of the two chromatograms clearly shows, first of all, that the contaminant is not diesel. It further shows that the contamination would not interfere with the detection of diesel if it were actually present in the field samples. This further illustrated in Figure 3, which shows a chromatogram of a diesel standard (a Landfill 4 laboratory control sample) in which the contamination is present. In this figure, the characteristic diesel pattern is still clearly identifiable, despite the presence of the contaminant peaks. Finally, Figure 4 shows an example chromatogram of a Landfill 4 sample. The characteristic contaminant peaks are visible, as are several other small peaks. However, the diesel pattern is clearly absent in this chromatogram. Like

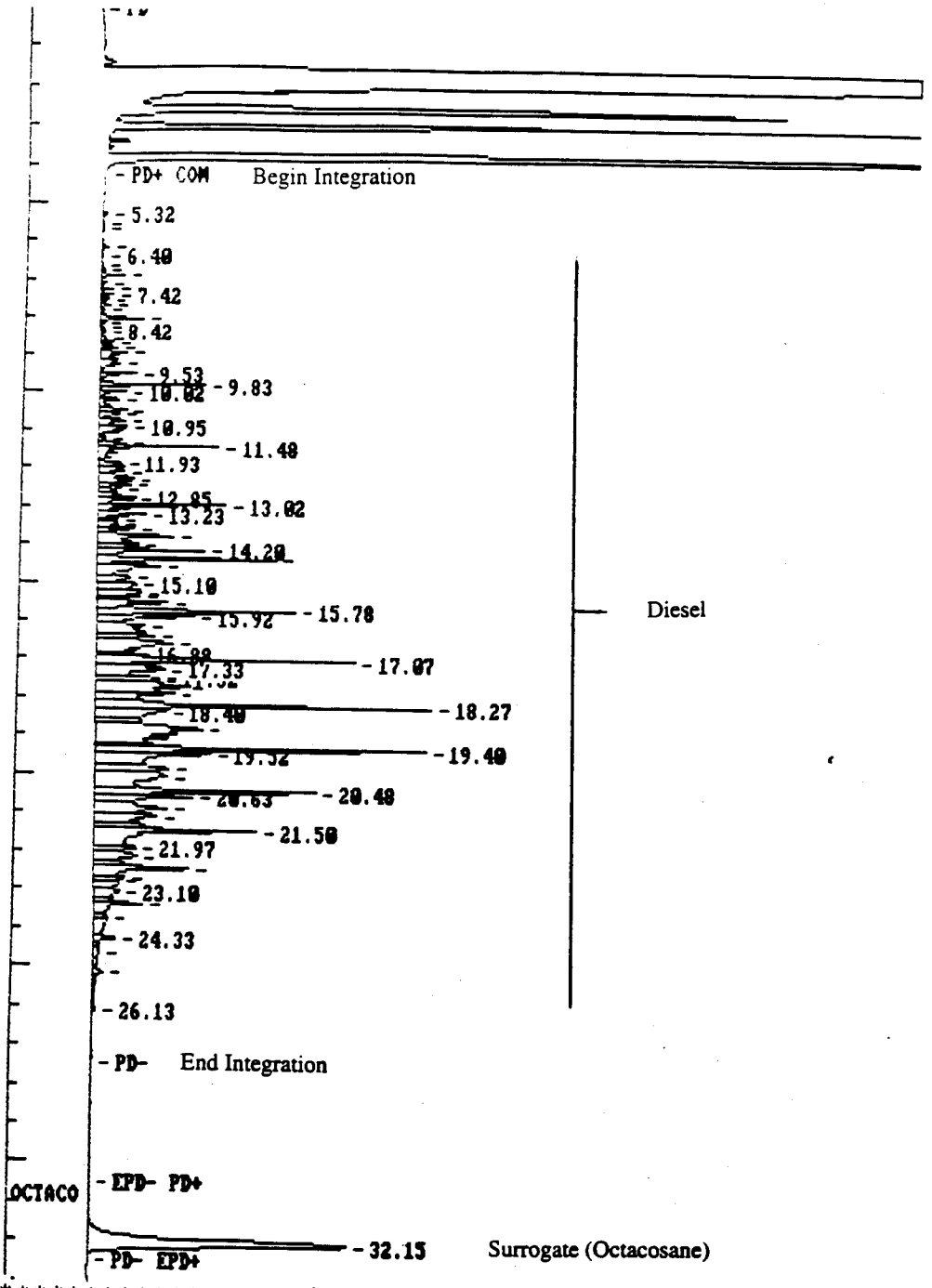
```
Areas, times, and heights stored in: C:SM135.ATB
Data File = C:SM135.PTS  Printed on 10-21-1993 at 14:39:56
Start time:    0.00 min.  Stop time:   39.00 min.     Offset:   0 mv.
Full Range:  25  millivolts
```




```
******************** 10-21-1993 14:39:49 Version 5.1.5 ********************
* Sample Name: 9209003003ARB, METHOD BLANK        Data File: C:SM135        *
* Date: 10-13-1992 14:05:05 Method: C:DM033021 10-21-1993 14:11:10  #  357*
* Interface: 0    Cycle#:  5    Operator DKS Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  10    Threshold: .001  Area Threshold: 75          *
*****************************************************************************
* Instrument Type: MONTE                    Column Type: DB-1               *
*              Solvent Description:                                         *
* Conditions:                                                               *
*            Detector 0: FID                    Detector 1:                 *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 1. Example Chromatogram of Diesel Blank With Contamination

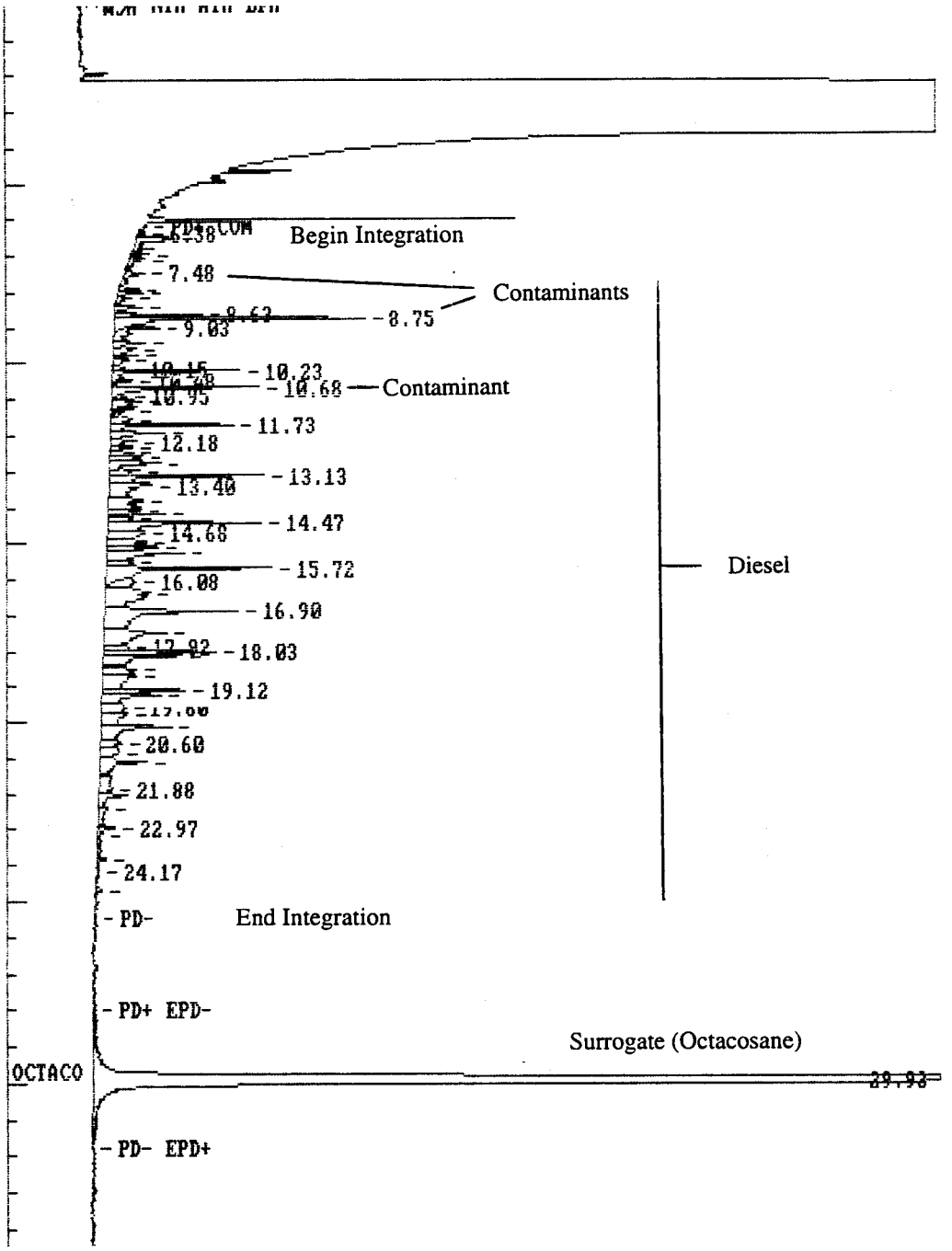
as, times, and heights stored in: W:113FR6.ATB
a File = W:113FR6.PTS Printed on 06-18-1993 at 19:34:57
rt time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
l Range: 75 millivolts




```
******************** 06-18-1993 19:34:14 Version 5.1.5 ********************
* Sample Name: LCS93606, LCS                          Data File: W:113FR6      *
* Date: 06-18-1993 18:59:11 Method: W:113FPT  06-17-1993 09:03:17  #  421 *
* Interface: 14  Cycle#:  6    Operator DKS Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100              *
*****************************************************************************
* Instrument Type: GERMAINE GC11          Column Type: DB-1                 *
*              Solvent Description:                                         *
* Conditions: 40C 2MIN 10C/MIN 270C 10MIN                                   *
*             Detector 0: FID                    Detector 1:                *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 2. **Example Chromatogram of Diesel Standard (Recent LCS) Without Contamination**

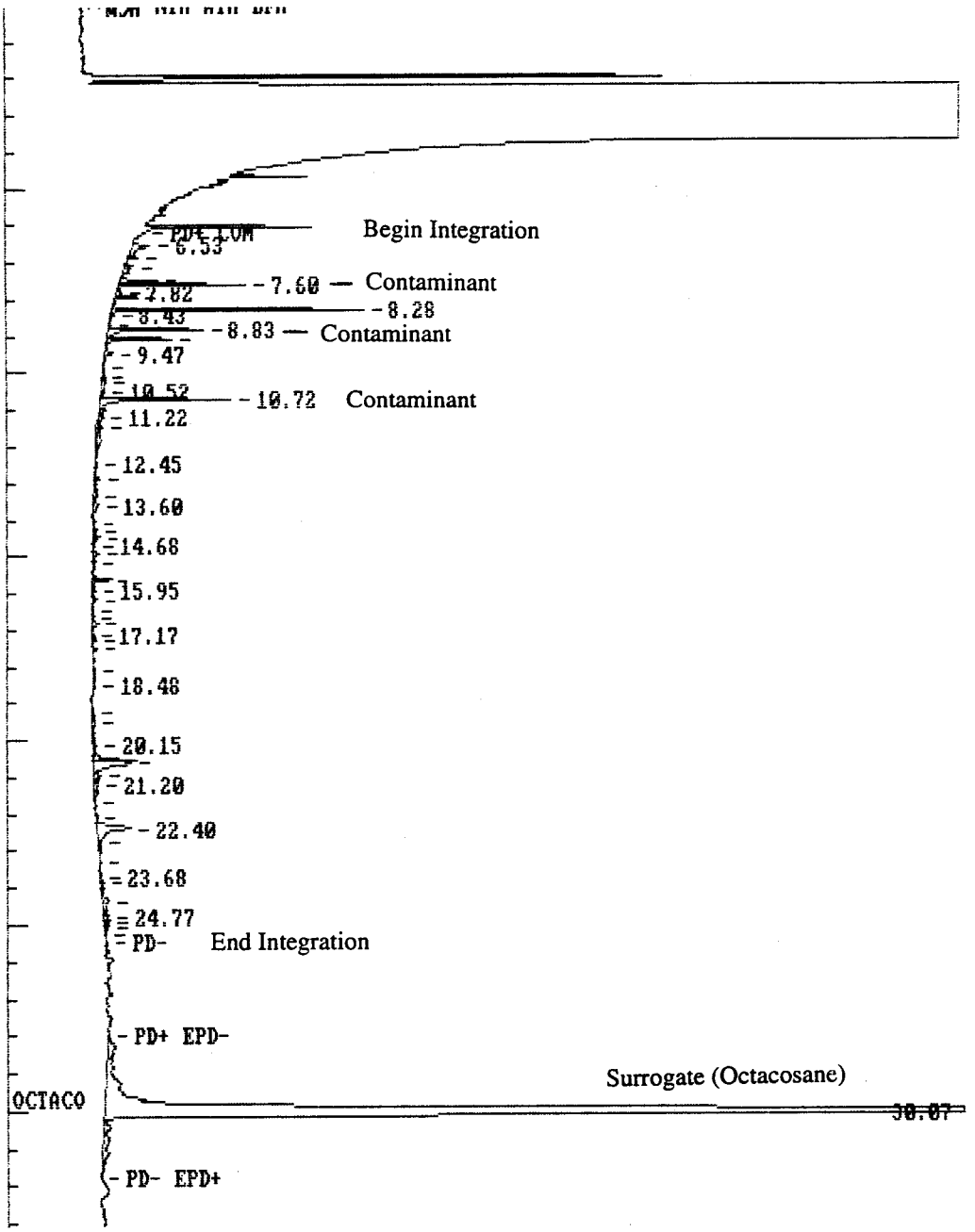
Areas, times, and heights stored in: C:SM137.ATB
Data File = C:SM137.PTS Printed on 10-21-1993 at 14:48:54
Start time: 0.00 min. Stop time: 39.00 min. Offset: 0 mv.
Full Range: 25 millivolts




```
******************** 10-21-1993 14:48:09 Version 5.1.5 ********************
* Sample Name: 921003011ALCS, CANNON                Data File: C:SM137      *
* Date: 10-13-1992 16:26:54 Method: C:DM033021 10-21-1993 14:11:10  #  357*
* Interface: 0   Cycle#:  7    Operator DKS Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: .001  Area Threshold: 75           *
*****************************************************************************
* Instrument Type: MONTE                  Column Type: DB-1                 *
*              Solvent Description:                                         *
* Conditions:                                                               *
*            Detector 0: FID                    Detector 1:                *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 3. Example Chromatogram of Diesel Standard (Landfill 4 LCS) With Contamination

Areas, times, and heights stored in: C:SM1318.ATB
Data File = C:SM1318.PTS Printed on 10-21-1993 at 14:46:01
Start time: 0.00 min. Stop time: 39.00 min. Offset: 0 mv.
Full Range: 25 millivolts



********** 10-21-1993 14:45:38 Version 5.1.5 **********
* Sample Name: 921003005A, CAN-104-4JJ-01 Data File: C:SM1318 *
* Date: 10-14-1992 01:51:07 Method: C:DM033021 10-21-1993 14:11:10 # 357*
* Interface: 0 Cycle#: 18 Operator DKS Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: .001 Area Threshold: 75 *
****
* Instrument Type: MONTE Column Type: DB-1 *
* Solvent Description: *
* Conditions: *
* Detector 0: FID Detector 1: *
* Misc. Information: *
****

Figure 4. Example Chromatogram of Landfill 4 Sample With Contamination

the other Landfill 4 results for diesel analyses, the result of 10.6 mg/kg reported for this sample was flagged as not matching the diesel pattern.

The maximum concentration of contamination observed in any of the Cannon Landfill 4 diesel blanks was 8.2 mg/kg. Because there are no method-specified or federally-established detection limits for diesel, laboratories often use reporting limits of their own or default to limits established by the state in which the samples were collected. New Mexico does not specify required detection or reporting limits for diesel analyses. Had the diesel reporting limit been set at the method reporting limits established by the states of Washington (50 mg/kg), Arizona (40 mg/kg), or California (10 mg/kg), all Landfill 4 laboratory blanks would have been reported as "not detected." However, because of the need for uncensored data for use in risk assessment, Radian reported all results as obtained. For results below the Radian detection limit (5 mg/kg for soil samples) the values were flagged with a "J" flag in the laboratory reports.

In addition to the "J" flag indicating results below the detection limit, results for all samples and blanks were flagged (with a "G" flag) as not meeting the identification criteria for diesel. Despite this qualitative flag on the results reported by the laboratory, the reports provided to EPA were generally misleading with respect to the identity of the contaminant. Neither Radian's RFI report nor the MRD data quality report for Landfill 4 explicitly noted that the chromatographic pattern observed in the blanks and samples did not match the characteristic diesel pattern. This omission in the text of the reports is likely the source of much of the confusion and concern surrounding the diesel data.

Cannon diesel analyses continued uninterrupted because the contaminant did not interfere with the laboratory's ability to identify diesel and because the concentration of the contaminant was below the acceptance limit for diesel blanks specified in the QAPP (five times the method detection limit, or 25 mg/kg in soil

samples). Since diesel was not present in the samples the contamination also did not interfere with diesel quantitation.

In summary, the contamination that was seen and reported in the Landfill 4 diesel analyses was not diesel. The contaminant peaks were quantitated and reported because they fell within the retention time window for diesel, but the results were clearly flagged in the laboratory reports as not matching the diesel pattern. Because the contaminant peaks eluted very early in the diesel window, they would not have interfered with the laboratory's ability to detect the characteristic diesel pattern had diesel been present in any of the field samples. The contamination also did not interfere with diesel quantitation, since diesel was not detected in any samples. Had the diesel results been reported using a censored data reporting convention like that typical of many laboratories, few, if any, of the contaminant values would have been reported, since they fall below commonly used method reporting limits. Finally, all diesel results are considered valid because all blank results met the blank acceptance criteria specified in the project QAPP. There is no impact on Cannon measurement data quality or on decisions based on the data due to either the nature or level of this contamination.

Radian has been working since the contaminant was first observed in the diesel analyses to identify and eliminate it, as part of the process of continuous improvement in Radian's laboratory, . This work has shown the contaminant (or contaminants) to be attributable to surface interactions between samples and glass surfaces that have had contact with freon. Freon is used as the extraction solvent for Total Petroleum Hydrocarbon analyses using EPA Method 9071 (Soxhlet extraction) for analysis by EPA Method 418.1 (IR). Historically, glassware used in the Method 9071 extractions was commingled with glassware from other extraction methods during the glassware washing steps. This appears to have been the primary route of contamination. Steps have been taken to segregate the glassware used in the Method 9071 extractions, and this has resulted in a marked decrease in contamination levels seen in the diesel analyses. Radian is currently in the process of completely segregating the freon

extractions from other extractions altogether, in an effort to further reduce both the incidence and magnitude of contamination. Figure 5 shows a plot of results for diesel laboratory blanks covering a time period from July 1992 to the present. This time period includes all of the Cannon work (July 1992 through early December 1992). As indicated in the plot, the average level of concentration has been significantly reduced, particularly over the past six to eight months. The uncontaminated LCS shown in Figure 3, above, is an example of current performance.

3.1.2 Mercury Results

The impression of unacceptable levels of mercury contamination is attributable primarily the reporting conventions used for these data. Here again, the tailoring of the data summaries for risk assessment interpretation magnified the frequency for which contaminants were reported in the blanks. Results for mercury did not exceed the QAPP blank acceptance criterion for any of the mercury blanks for Landfill 4. However, because the RFI and QCSR reports were tailored to facilitate interpretation of the data for risk assessment, all blank results above the detection limit were reported in these reports. The contamination reported for the mercury blanks in Landfill 4 was ultimately traced to a bad calibration standard; mercury contamination was determined not to be present in these blanks. The problem with the standard was identified and corrected in early October 1992.

Figure 6 shows a plot of laboratory blank results for mercury over the time period from April 1992 to the present. As indicated in the figure, mercury results for blanks averaged about 0.0001 mg/L and ranged up to about 0.0002 mg/L up until mid-August 1992. Elevated levels, averaging about 0.0003 mg/L and ranging up to about 0.0004 mg/L were seen in blanks analyzed over the next couple of months. The RFI and QCSR reports summarized all blank values above the detection limit of 0.00018 mg/L. This level is nominally equivalent to a soil concentration of 0.045 mg/kg, when the different sample sizes are taken into account. The laboratory criterion for re-extraction

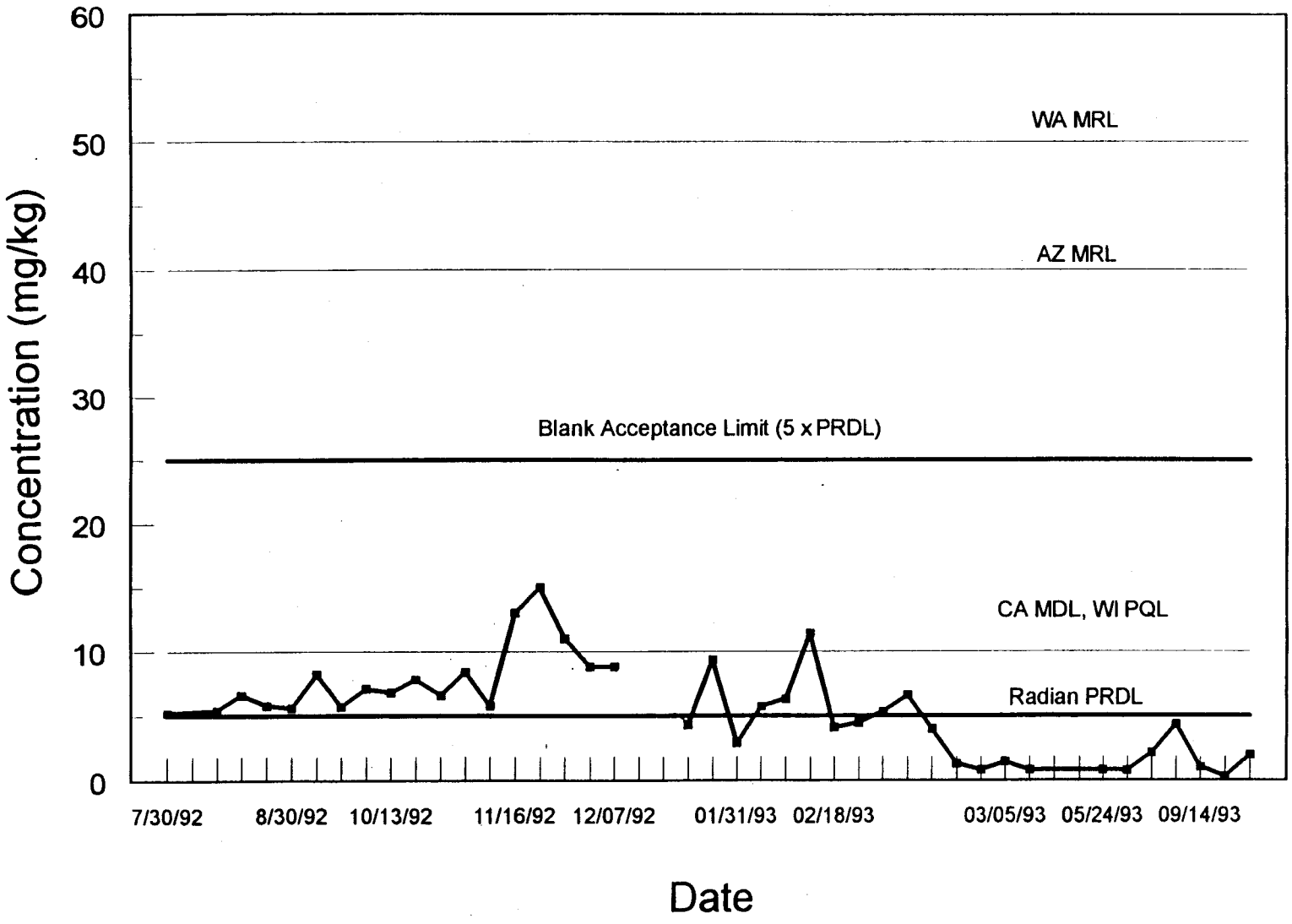


Figure 5. Laboratory Blank Results for Diesel - July 1992 through September 1993

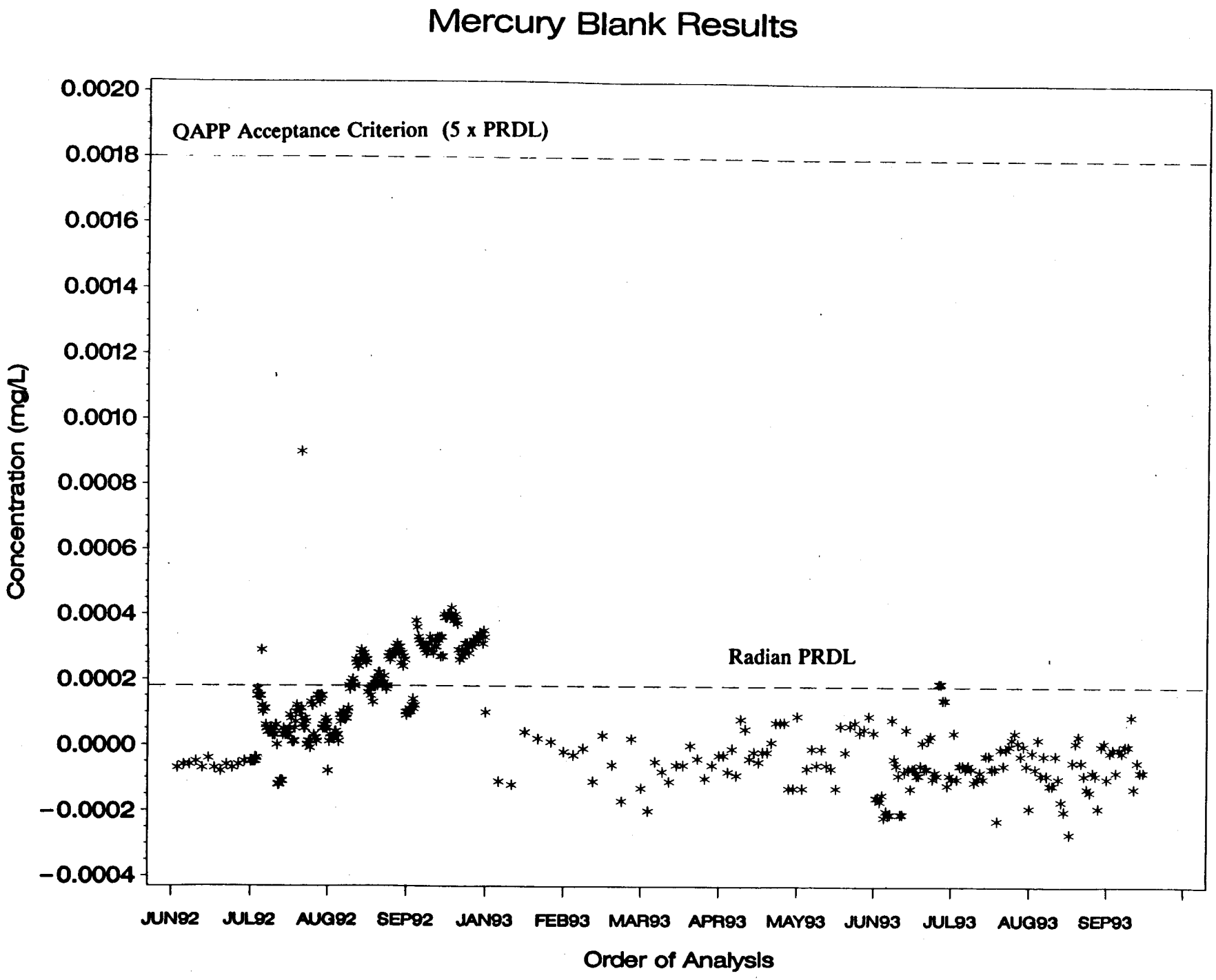


Figure 6. Laboratory Blank Results for Mercury - June 1992 through September 1993

and reanalysis of samples was stated in the QAPP as ten times the detection limit (PRDL) or 0.0018 mg/L. The equivalent soil concentration is 0.45 mg/kg. The highest result reported for any of the Landfill 4 method blanks was 0.00032 mg/L, which is comparable to a soil concentration of 0.08 mg/kg. This concentration is well over two orders of magnitude below the RCRA Subpart S Action Level for mercury in soil, which is 20 mg/kg.

Mercury analyses for Cannon samples continued during this period, since the levels of mercury in the blanks were below the criterion for re-extraction and reanalysis. The laboratory did, however, initiate an effort to identify and eliminate the source of this "apparent contamination." The "apparent contamination," was ultimately traced to a bad calibration standard. The low standard had decreased in concentration over time, which caused the y-intercept of the calibration curve to be negative. This, in turn, introduced a bias of 0.0001 to 0.0003 mg/L in the measured concentrations. Figure 7 shows a mercury calibration curve from August 1992, showing the negative intercept. When new calibration standards were prepared in mid-October, the negative intercept was corrected.

In addition to correcting the bias associated with the bad standard Radian also added two new criteria to the mercury analytical method, to prevent a similar problem from occurring in the future. First, mercury stock and intermediate standards are now prepared fresh at least monthly. Second, an additional acceptance criterion was added to the criteria for mercury calibration curves pertaining to the acceptable range for the y-intercept. As indicated in Figure 6, these measures have been effective in controlling mercury blank results at levels below the reported laboratory detection limit and default reporting limit (i.e., below the PRDL).

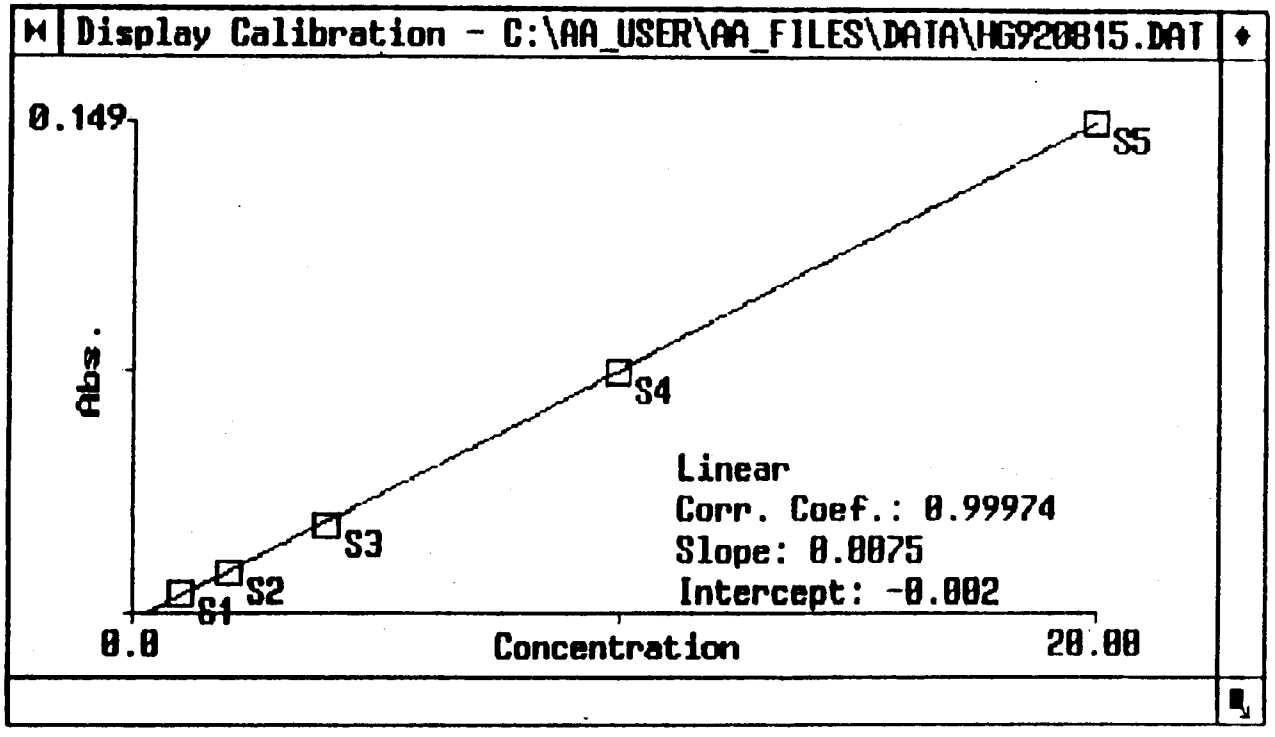


Figure 7. Example Mercury Calibration Curve Showing Negative y-Intercept

Thus, the levels of mercury reported in the blanks not only met the acceptance criteria stated in the QAPP, but were so much lower than the levels of concern for the project objectives, that there is clearly no negative impact on the usability of the mercury data for its intended purpose.

3.1.3 Other Metals Results

In addition to mercury, several other metals were also occasionally detected in field or laboratory blanks. However, no blank results for any of the metals exceeded the blank acceptance criteria specified in the QAPP (five times the detection limit). Also, the frequency of occurrence above the detection limit was very low for the other metals.

A total of 11 method blanks were analyzed by atomic absorption spectroscopy (AA) with the Landfill 4 samples. Other than mercury, lead was the only metal analyzed by AA that was reported in Landfill 4 laboratory blanks. Lead was reported in two laboratory blanks, and in both of the two cases the reported concentration was below the 0.005 mg/L detection limit. The reported concentrations in these two blanks were 0.0011 mg/L and 0.0047 mg/L, equivalent to sample concentrations of 1.1 mg/kg and 4.7 mg/kg, respectively. These levels are over two orders of magnitude below the Subpart S Action Level.

Copper was the most frequently occurring ICP (i.e., EPA Method 6010) metal in the Landfill 4 field and laboratory blanks. It was detected above the detection limit in two of the 25 total blanks analyzed for Landfill 4. Cobalt was detected in one method blank at the detection limit (1 mg/kg). Iron was reported in one equipment rinsate blank at three times the detection limit (reported concentration of 0.14 mg/kg), while associated sample concentrations ranged from 50 mg/kg to 500 mg/kg.

Neither the observed concentrations nor the frequencies of detection for the AA and ICP metals is considered to indicate a systematic problem of metals contamination. Rather, the perception of a contamination problem is attributed to the reporting conventions and format used in the Cannon reports.

3.2 Sample Handling

Apart from the general issue of laboratory contamination, the other area that has been raised as a concern regarding impact on sample integrity and data usability is the general issue of sample handling. This impression is attributable to qualitative statements in MRD's data quality reports that are generally misleading with regard to overall sample handling on the Cannon Landfill RFI projects. The general concerns raised in the MRD reports pertain to an implied inability to discern sample identifications in some cases and to the condition (primarily temperature) of samples upon arrival at the laboratory. MRD is reviewing their documentation regarding sample receipt at their laboratory, and is providing a separate assessment of sample integrity as pertains to the QA splits.

As an integral part of Radian's laboratory operations, sample integrity is checked and documented upon sample arrival at the laboratory. Any exceptions or anomalies are noted and the project team is contacted to determine how to proceed with the affected samples. Additionally, as part of Radian's continuous improvement process, the laboratory staff communicates directly with our field sampling teams any changes or improvements that they need to make with respect to sample packaging, labeling, shipping, and custody documentation.

One hundred and fifty samples, with over 650 individual sample splits, were collected for the Cannon Landfill 4 remedial investigation. All samples sent to the Radian laboratory were received and documented by the Radian laboratory as uncompromised samples. No sample identification problems were noted by the Radian laboratory personnel. The data presented in the Landfill 3 RFI report resulted from samples whose integrity was not compromised during shipping and handling.

REFERENCES

1. Radian Corporation, 1993. RCRA Facility (RFI) Report, Landfill No. 4, SWMU No. 104, IRP Site LF-4, Houston, Texas, January 1993.

2. Radian Corporation, 1992. Quality Assurance Project Plan (QAPP), Landfill No. 4, SWMU No. 104, IRP Site LF-4, Austin, Texas, September 1992.

3. Radian Corporation, 1993. Quality Control Summary (QCSR) Report, Landfill No. 4, SWMU No. 104, IRP Site LF-4, Austin, Texas, March 1993.

LIBRARY COPY

Supplemental Report
RCRA Facility Investigation (RFI)

SWMU No. 97 - Landfill No. 25
Air Force Project Number CZQZ92-7005

Cannon Air Force Base
New Mexico

October 1993

SUPPLEMENTAL REPORT
LANDFILL NO. 25
SWMU NO. 97
IRP SITE LF-25

Prepared for:

U.S. Army Corps of Engineers
Omaha District

Prepared by:

Radian Corporation
10675 Richmond Avenue, Suite 190
Houston, Texas 77042

October 1993

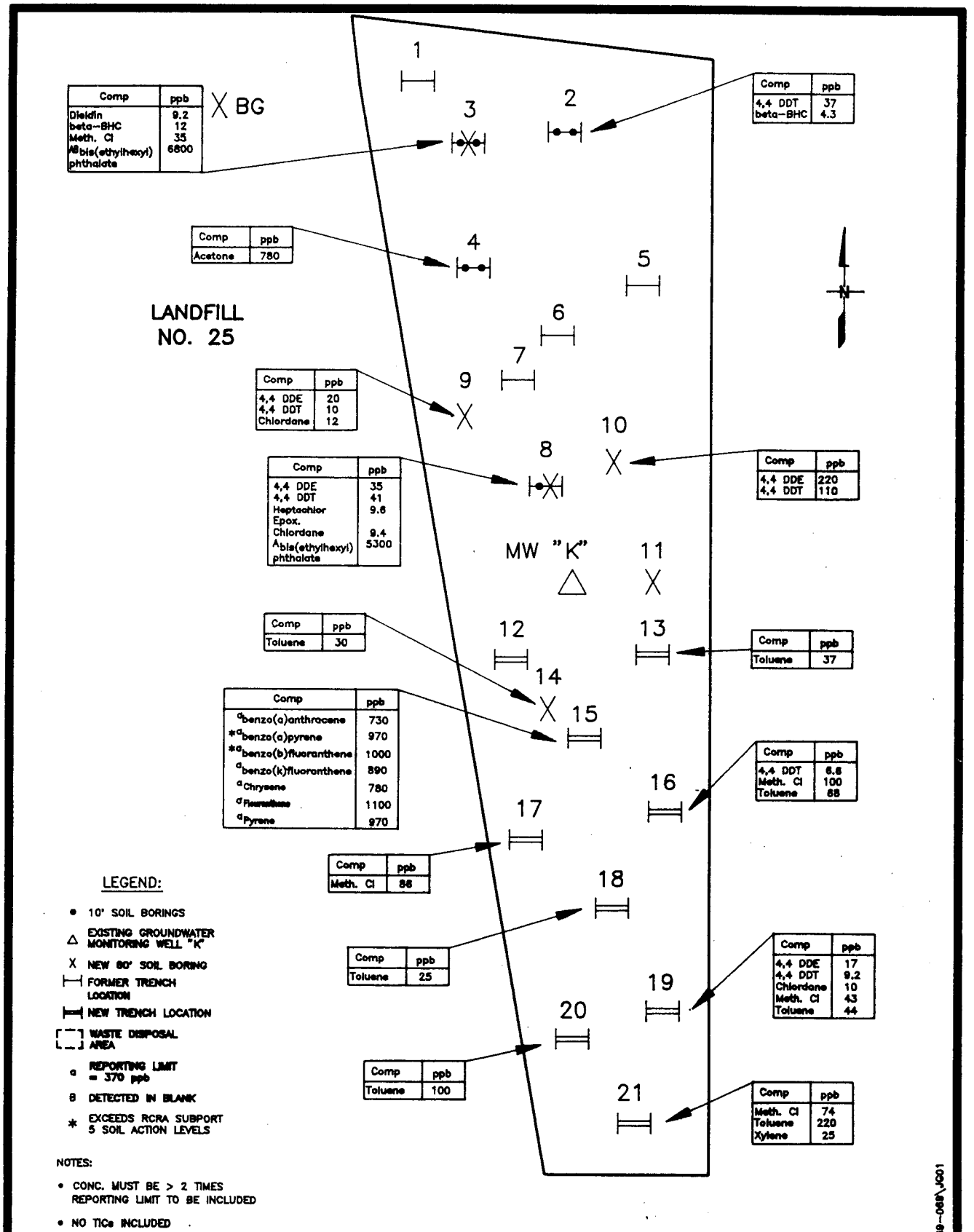


FIGURE 3
MAXIMUM CONCENTRATIONS OF ORGANOCHLORINE PESTICIDES, PCBs, AND SVOCs IN SOILS SAMPLES FROM LANDFILL NO. 25 (SWMU #97), OCTOBER 1992
CANNON AIR FORCE BASE
CLOVIS, NEW MEXICO

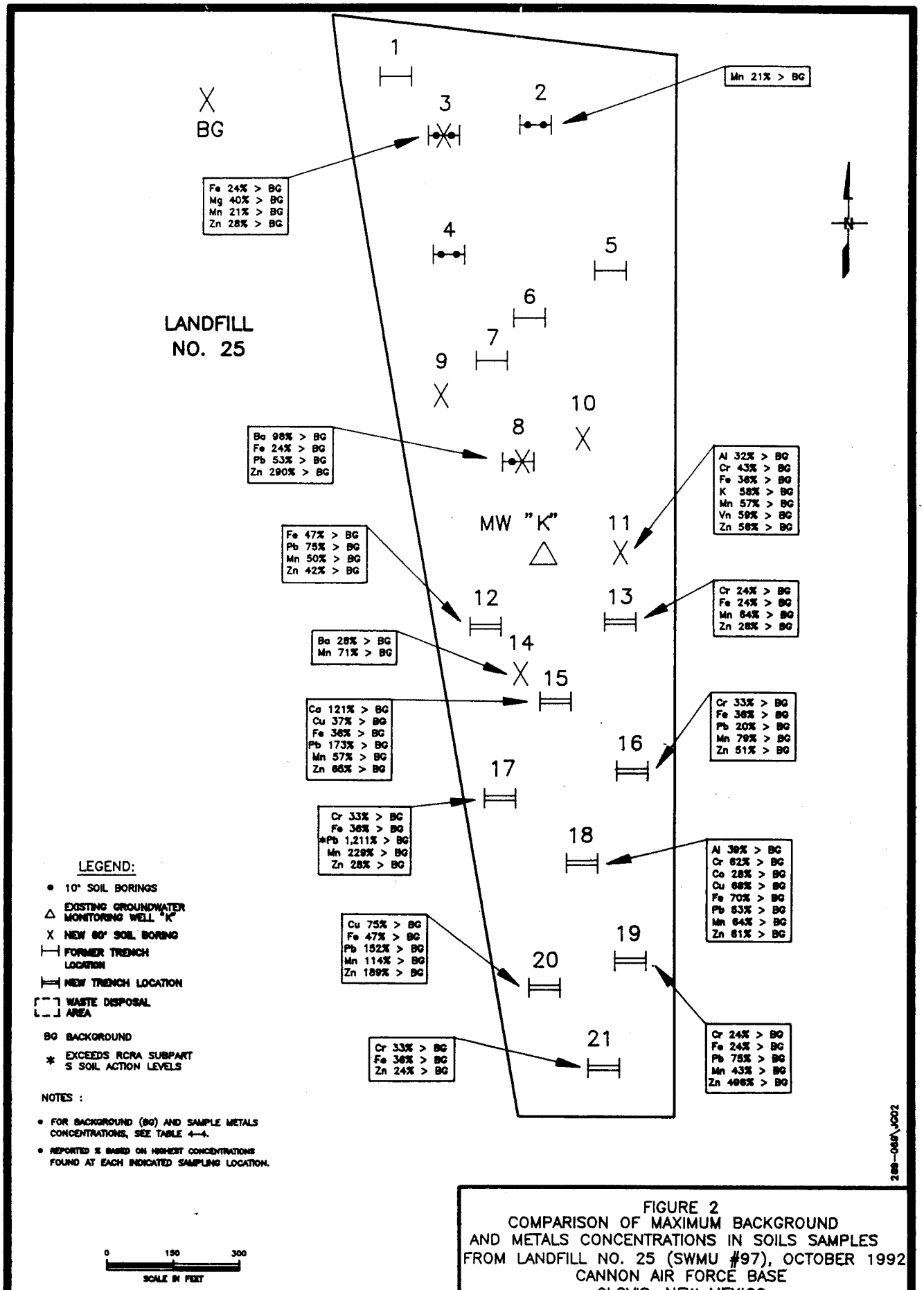


FIGURE 2
COMPARISON OF MAXIMUM BACKGROUND
AND METALS CONCENTRATIONS IN SOILS SAMPLES
FROM LANDFILL NO. 25 (SWMU #97), OCTOBER 1992
CANNON AIR FORCE BASE
CLOVIS, NEW MEXICO

TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1-1

2.0 SUMMARY OF FINDINGS 2-1

3.0 ANALYTICAL DATA VALIDITY 3-1

3.1 Sample Contamination 3-1
3.1.1 Diesel Results 3-2
3.1.2 Pesticide Results 3-9
3.1.3 Metal Results 3-21
3.2 Sample Handling 3-23

REFERENCES

LIST OF FIGURES

		Page
1	Example Chromatogram of Diesel Blank with Contamination	3-3
2	Example Chromatogram for Diesel Standard (Recent LCS) Without Contamination	3-4
3	Example Chromatogram for Diesel Standard (Landfill 25 LCS) With Contamination	3-5
4	Example Chromatogram of Landfill 25 Sample With Contamination	3-6
5	Laboratory Blank Results for Diesel - July 1992 through September 1993	3-10
6	Example Chromatogram of Pesticide Blank With Contamination - Primary Column	3-11
7	Example Chromatogram of Pesticide Blank With Contamination - Secondary Column	3-12
8	Example Chromatogram of Pesticide Standard (Landfill 25 LCS) With Contamination - Primary Column	3-13
9	Example Chromatogram of Pesticide Standard (Landfill 25 LCS) With Contamination - Secondary Column	3-14
10	Example Chromatogram of Pesticide Standard (Recent LCS) Without Contamination - Primary Column	3-15
11	Example Chromatogram of Pesticide Standard (Recent LCS) Without Contamination - Secondary Column	3-17
12	Example Chromatogram of Landfill 25 Sample With Contamination - Primary Column	3-18
13	Example Chromatogram of Landfill 25 Sample With Contamination - Secondary Column	3-20
14	Detection Limits, Action Levels, and Highest Results for Pesticides	3-22

LIST OF TABLES

		Page
1	Landfill 25 Analytical Methods, Maximum Sample Concentrations and Health-Based Levels	2-3
2	Hits Above RCRA Subpart S Action Criteria for Landfill 25	2-6
3	Warm Samples	3-25

1.0 INTRODUCTION

As part of the review process for the Cannon Air Force Base landfill investigations, supplementary information has been requested to assist in the documentation of findings from the sites. This report specifically supplements the Remedial Investigation (RI) Report (August 1993) and the Quality Control Summary Report (September 1993), previously provided, which document findings from Cannon Air Force Base Landfill 25 (SWMU 97). Additional information is provided regarding:

- The impact of the landfill on human health and the environment (Section 2); and
- The validity of the analytical data and its fitness for use in determining the impact of Landfill 25 (Section 3).

2.0 SUMMARY OF FINDINGS

Radian performed a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI), and risk assessment, for Landfill No. 25 at Cannon Air Force Base, New Mexico. Results of this investigation are detailed in an RFI report (1) which includes a risk assessment. Based on the data evaluated during this work, the risk to human health and the environment from the landfill is considered to be acceptable and no further action for the soil is recommended.

Nine trenches were excavated and sampled and fourteen soil borings (including a background boring) were completed at Cannon Air Force Base Landfill 25 (SWMU 97). In seven of the borings, samples were collected at the native soil surface just below the rubble detritus, between four and six feet BNS (below native soil), and between eight and ten feet BNS. The other seven borings were sampled at the native soil surface and every five feet from five to 60 feet BNS. One hundred thirty-nine samples were analyzed for volatile organics, semivolatile organics, pesticides and PCBs, total recoverable petroleum hydrocarbons, and metals. Thirty-five of these samples were also analyzed for herbicides and total petroleum hydrocarbons. All of the analytical work was performed by Radian Corporation, Austin, Texas.

The analytical data was validated according to the guidelines published in the USACE Engineering and Design *Chemical Data Quality Management for Hazardous Waste Remedial Activities*, ER 1110-1-263, 1 October 1990 and the Quality Assurance Project Plan (2). Quality control data are summarized in the Quality Control Summary Report (3). The data were found to be satisfactory for use.

To assess the impact of Landfill 25 on human health and the environment, the data were compared to the RCRA Subpart S action levels and a comprehensive risk assessment was performed. The results of those tests are discussed below.

When the data were compared to action levels, it was noted that beryllium was reported above the RCRA Subpart S health based level of 0.2 mg/Kg. However, beryllium in the background samples was also above this level. The concentrations reported in the samples from Landfill 25 were statistically determined to be at background levels. Lead was determined to be above RCRA Subpart S health-based levels in one sample of 139. No trends were identified and no corrective action is recommended due to this sample. A table of RCRA Subpart S action levels versus the highest hits reported in the data is presented as Table 1. All of the hits (by location) above RCRA Subpart S action levels are presented in Table 2.

A comprehensive risk assessment was performed following guidance in the *Risk Assessment Guidance for Superfund (RAGS), Volume I, Human Health Evaluation Manual (Part A)* (USEPA, 1989a).

Results of the risk assessment, including characterization of exposure setting, identification of chemicals of potential concern, exposure assessment, toxicity assessment, risk characterization, and environmental evaluation are presented in the RFI report (1).

Chemicals of concern were identified by following nine steps to evaluate the analytical data:

- Gather all data available from the site investigation and sort by medium;
- Evaluate the analytical methods used;
- Evaluate the quality of data with respect to sample quantitation limits;
- Evaluate the quality of data with respect to qualifiers and codes;

Table 1

Landfill 25 Analytical Methods, Maximum Sample Concentrations and Health-Based Levels

Parameter	Analysis		Maximum Sample Concentrations	Health-Based Levels
	Technique	Method	Soil (mg/Kg)	RCRA[a] (mg/Kg)
METALS				
Aluminum	ICPES	SW-846:6010	21,000	–
Antimony	ICPES	SW-846:6010	14	32
Barium	ICPES	SW-846:6010	1,700	4,000
Beryllium	ICPES	SW-846:6010	0.85	0.2
Cadmium	ICPES	SW-846:6010	1.7	40
Calcium	ICPES	SW-846:6010	640,000	–
Chromium (total)	ICPES	SW-846:6010	17	400 (Cr VI)
Cobalt	ICPES	SW-846:6010	5	–
Copper	ICPES	SW-846:6010	13	–
Iron	ICPES	SW-846:6010	15,000	–
Magnesium	ICPES	SW-846:6010	12,000	–
Manganese	ICPES	SW-846:6010	650	–
Nickel	ICPES	SW-846:6010	14	2,000
Potassium	ICPES	SW-846:6010	4,500	–
Silver	ICPES	SW-846:6010	5	200
Sodium	ICPES	SW-846:6010	420	–
Thallium	ICPES	SW-846:6010	72	–
Vanadium	ICPES	SW-846:6010	39	–
Zinc	ICPES	SW-846:6010	130	–
Arsenic	GFAA	SW-846:7060	9	80
Lead	GFAA	SW-846:7421	120	114
Mercury	CVAA	SW-846:7471	0.098	20
Selenium	GFAA	SW-846:7740	1.9	–
TOTAL PETROLEUM HYDROCARBONS				
Gasoline	GC/FID	SW-846:8015M	5.4	–
Diesel	GC/FID	SW-846:8015M	120[b]	–

Table 1

(Continued)

Parameter	Analysis		Maximum Sample Concentrations	Health-Based Levels
	Technique	Method	Soil (mg/Kg)	RCRA* (mg/Kg)
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS				
Total Recoverable Petroleum Hydrocarbons	IR	EPA:418.1	1700	--
ORGANOCHLORINE PESTICIDES AND PCBs				
Aldrin	GC/ECD	SW-846:8080	0.0057	0.04
alpha-BHC	GC/ECD	SW-846:8080	0.0024	0.1
beta-BHC	GC/ECD	SW-846:8080	0.012	4
delta-BHC	GC/ECD	SW-846:8080	0.001	--
gamma-BHC (Lindane)	GC/ECD	SW-846:8080	0.0075	0.5
Chlordane (technical)	GC/ECD	SW-846:8080	0.017	0.5
4,4'-DDD	GC/ECD	SW-846:8080	0.0099	3
4,4'-DDE	GC/ECD	SW-846:8080	0.220	2
4,4'-DDT	GC/ECD	SW-846:8080	0.11	2
Dieldrin	GC/ECD	SW-846:8080	0.0092	0.04
Endosulfan sulfate	GC/ECD	SW-846:8080	0.038	--
Endrin	GC/ECD	SW-846:8080	0.0025	20
Heptachlor	GC/ECD	SW-846:8080	0.0059	0.2
Heptachlor epoxide	GC/ECD	SW-846:8080	0.0096	0.08
CHLORINATED HERBICIDES				
2,4-DB	GC/ECD	SW-846:8150	0.034	--
2,4,5-T	GC/ECD	SW-846:8150	0.0096	--
2,4,5-TP (Silvex)	GC/ECD	SW-846:8150	0.022	--
Dichloroprop	GC/ECD	SW-846:8150	0.19	--
MCPP	GC/ECD	SW-846:8150	9.3	--
VOLATILE ORGANICS				
Acetone	GC/MS	SW-846:8240	0.78	--
Benzene	GC/MS	SW-846:8240	0.0095	--
Methylene chloride	GC/MS	SW-846:8240	0.10	90
Toluene	GC/MS	SW-846:8240	0.10	20,000

Table 1

(Continued)

Parameter	Analysis		Maximum Sample Concentrations	Health-Based Levels
	Technique	Method	Soil (mg/Kg)	RCRA[a] (mg/Kg)
Xylenes (total)	GC/MS	SW-846:8240	0.025	200,000
SEMIVOLATILE ORGANICS				
Benzo(a)anthracene	GC/MS	SW-846:8270	0.73	--
Benzo(a)pyrene	GC/MS	SW-846:8270	0.97	--
Benzo(b)fluoranthene	GC/MS	SW-846:8270	1.0	--
Benzo(g,h,i)perylene	GC/MS	SW-846:8270	0.27	--
Benzo(k)fluoranthene	GC/MS	SW-846:8270	0.89	--
Butylbenzylphthalate	GC/MS	SW-846:8270	0.022	20,000
Chrysene	GC/MS	SW-846:8270	0.78	--
bis(2-Ethylhexyl)phthalate	GC/MS	SW-846:8270	6.8	50
Fluoranthene	GC/MS	SW-846:8270	1.1	--
Phenanthrene	GC/MS	SW-846:8270	0.54	--
Pyrene	GC/MS	SW-846:8270	0.97	--

[a] Values taken from "Draft Preliminary Standards for RCRA Risk Assessment," Appendix 3, EPA Region VI, 20 February 1991; and 27 July 1990 Fed. Reg., "Corrective Action for SWMUs at Hazardous Waste Management Facilities; Proposed Rule," Appendix A.

[b] Chromatogram did not match characteristic pattern.

IR = Infrared Spectrometry
ICPES = Inductively Coupled Plasma Emission Spectroscopy
GFAA = Graphite Furnace Atomic Absorption
CVAA = Cold Vapor Atomic Absorption
GC/MS = Gas Chromatography/Mass Spectrometry
SW-846 = Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, U.S. EPA, Office of Solid Waste and Emergency Response, November 1986, third edition.
EPA = Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020.
GC/FID = Gas Chromatography/Flame Ionization Detector
GC/ECD = Gas Chromatography/Electron Capture Detector

Table 2

Hits Above RCRA Subpart S Action Criteria for Landfill 25

Sample ID (Action Criteria)	Beryllium (0.27 mg/kg)	Lead (114 mg/kg)
CAN-97-2A-06	0.44	--
CAN-97-2A-I	0.41	--
CAN-97-2A-S	0.4	--
CAN-97-2B-06	0.35	--
CAN-97-2B-I	0.41	--
CAN-97-2B-S	0.37	--
CAN-97-3A-06	0.63	--
CAN-97-3A-I	0.52	--
CAN-97-3A-S	0.39	--
CAN-97-3B-06	0.71	--
CAN-97-3B-I	0.58	--
CAN-97-3B-S	0.62	--
CAN-97-3C-01	0.63	--
CAN-97-3C-02	0.64	--
CAN-97-3C-03	0.48	--
CAN-97-3C-04	0.68	--
CAN-97-3C-05	0.28	--
CAN-97-3C-06	0.26	--
CAN-97-3C-07	0.3	--
CAN-97-3C-08	0.22	--
CAN-97-3C-12	0.21	--
CAN-97-3C-13	0.2	--
CAN-97-4A-06	0.43	--
CAN-97-4A-I	0.35	--
CAN-97-4A-S	0.39	--
CAN-97-4B-06	0.4	--
CAN-97-4B-I	0.36	--
CAN-97-4B-S	0.32	--
CAN-97-8A-06	0.44	--
CAN-97-8A-I	0.52	--
CAN-97-8A-S	0.42	--
CAN-97-8B-06	0.55	--
CAN-97-8B-01	0.36	--
CAN-97-8B-02	0.57	--
CAN-97-8B-03	0.6	--
CAN-97-8B-04	0.31	--
CAN-97-8B-05	0.24	--
CAN-97-8B-06	0.2	--
CAN-97-BG-01	0.41	--

Table 2

(Continued)

Sample ID (Action Criteria)	Beryllium (0.27 mg/kg)	Lead (114 mg/kg)
CAN-97-BG-02	0.48	--
CAN-97-BG-03	0.31	--
CAN-97-BG-05	0.29	--
CAN-97-09-01	0.41	--
CAN-97-09-02	0.42	--
CAN-97-09-03	0.38	--
CAN-97-09-04	0.27	--
CAN-97-09-06	0.31	--
CAN-97-09-07	0.22	--
CAN-97-10-01	0.36	--
CAN-97-10-02	0.3	--
CAN-97-10-03	0.33	--
CAN-97-10-04	0.2	--
CAN-97-10-06	0.28	--
CAN-97-11-01	0.45	--
CAN-97-11-03	0.51	--
CAN-97-11-04	0.38	--
CAN-97-11-05	0.85	--
CAN-97-11-06	0.24	--
CAN-97-12-06	0.37	--
CAN-97-12-I	0.55	--
CAN-97-12-S	0.62	--
CAN-97-13-06	0.44	--
CAN-97-13-I	0.57	--
CAN-97-13-S	0.51	--
CAN-97-14-01	0.54	--
CAN-97-14-02	0.4	--
CAN-97-14-03	0.28	--
CAN-97-14-05	0.22	--
CAN-97-14-06	0.23	--
CAN-97-14-07	0.2	--
CAN-97-15-06	0.45	--
CAN-97-15-I	0.54	--
CAN-97-15-S	0.4	--
CAN-97-16-06	0.48	--
CAN-97-16-I	0.57	--
CAN-97-16-S	0.53	--
CAN-97-17-06	0.46	--
CAN-97-17-I	0.58	--

Table 2

(Continued)

Sample ID (Action Criteria)	Beryllium (0.27 mg/kg)	Lead (114 mg/kg)
CAN-97-17-S	--	120
CAN-97-18-06	0.5	--
CAN-97-18-I	0.76	--
CAN-97-18-S	0.46	--
CAN-97-19-06	0.55	--
CAN-97-19-I	0.45	--
CAN-97-19-S	0.45	--
CAN-97-20-06	0.58	--
CAN-97-20-I	0.63	--
CAN-97-20-S	0.42	--
CAN-97-21-06	0.62	--
CAN-97-21-I	0.39	--
CAN-97-21-S	0.33	--

- Evaluate the data with respect to blanks;
- Evaluate tentatively identified compounds;
- Compare potential site-related contamination with background;
- Develop a set of data for use in the risk assessment; and
- Further limit the number of chemicals to be carried through the risk assessment using a concentration toxicity screen which is outlined in Section 5.9 of RAGS.

Using this guidance, twenty-eight compounds were selected as chemicals of potential concern and used in this risk assessment. A detailed list of these compounds, reasons for their selection and exclusion, are presented in the RFI report (1). A conceptual site model was prepared for the human health and ecological risk assessment. It included sources of contamination, potential migration pathways, and potentially exposed populations. The potential releases to media from contaminants originating at Landfill No. 25 addressed in this risk assessment are those to 1) ambient air, 2) surface water via runoff from the landfill, and 3) groundwater. Potentially significant contaminant transport mechanisms were also considered. Exposure points and exposure routes were also evaluated. Eight potentially significant pathways that exist at the site were identified. These pathways are identified and discussed in detail in the RFI report (1).

None of the estimated cancer risks for the various exposure scenarios exceed the Subpart S remediation risk range goal for multiple chemicals. All of the estimated noncarcinogenic hazard indices for the various exposure scenarios are below the Subpart S remediation goal of 1.0 for noncarcinogens.

The baseline risk assessment for Cannon Air Force Base Landfill 25 based on current data indicates that there is little likelihood that adverse human health effects will occur as a result of exposure to contaminants in the surface and subsurface soils and that the risks to wildlife in the area are low. Additionally, migration of these contaminants to the groundwater was shown to be insignificant. Therefore, the risk to human health and the environment is considered to be acceptable and no further action is recommended for the soils at Landfill 25.

3.0 ANALYTICAL DATA VALIDITY

A review of the RFI Draft Report for Landfill 25 at Cannon Air Force Base by EPA, Region VI, has raised several questions pertaining to the validity and usability of some of the analytical data presented in this report. These questions have focused on the two general issues of laboratory contamination and sample handling. This section provides additional information to address the questions that have been raised in both of these areas. Specifically, this section provides information about the frequency, level, and nature of contaminants associated with results for:

- TPH diesel;
- Pesticides; and
- AA and ICP metals.

Finally, sample handling and the integrity of the field samples as received by the laboratory is also addressed.

3.1 Sample Contamination

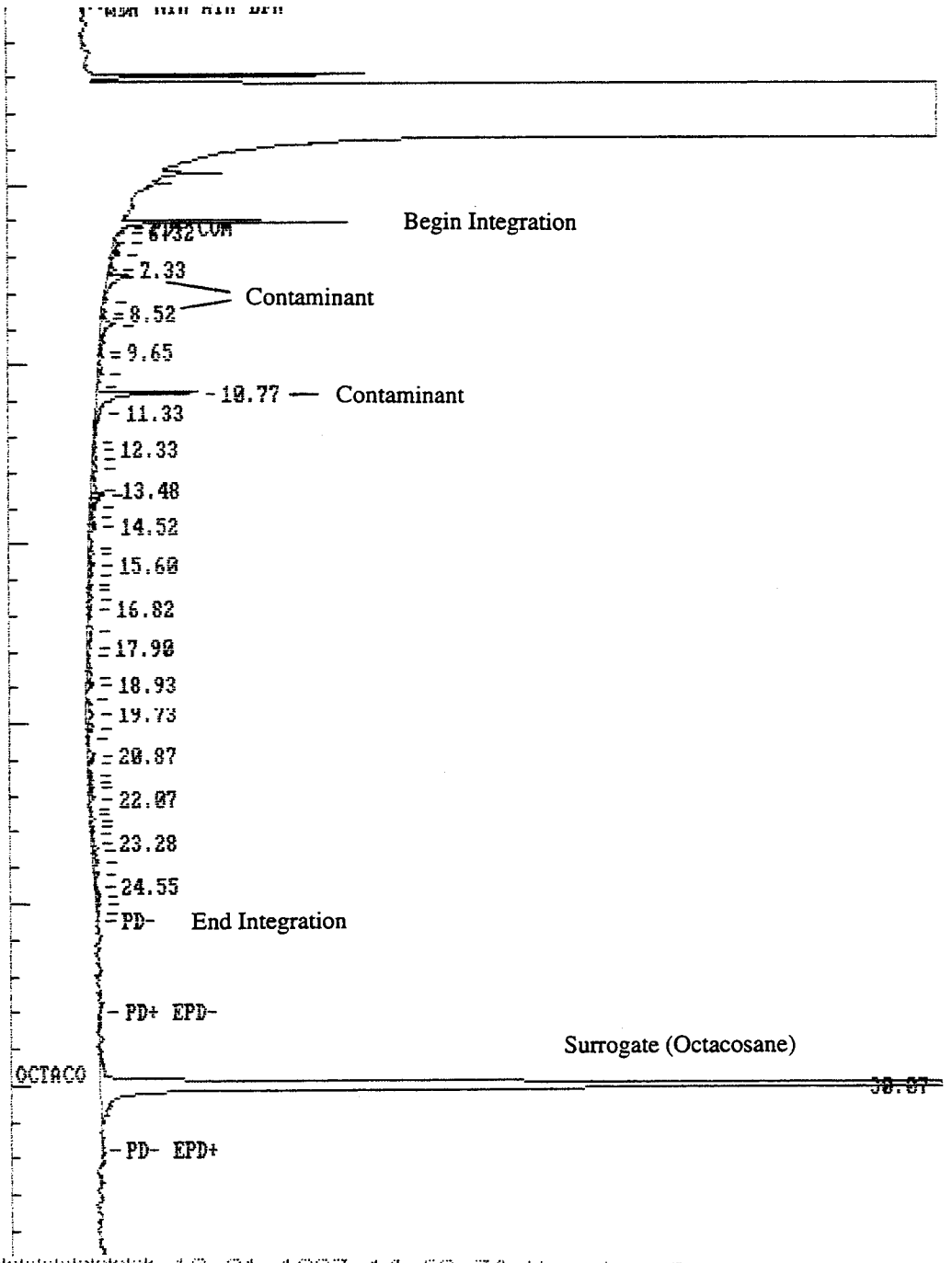
Reviewer comments indicate that Radian's RFI report left the reader with an impression that Cannon field and laboratory blanks exhibited unacceptable amounts of contamination. We attribute this impression primarily to the reporting conventions required by the end use of the Cannon RFI data. Specifically, many of the laboratory results were reported in an uncensored manner. As such, numerical values were shown for results which otherwise would have been reported as "not detected." Thus, the frequencies at which analytes were reported in the blanks are inflated over that which otherwise would have been seen. Data presentations in QC Summary reports left a similar impression of laboratory contamination because summaries and discussions were tailored to facilitate data interpretation for risk assessment, rather than summarizing results in terms of acceptance criteria presented in the QAPP.

Detailed data validation of the Cannon data (3) indicated that all but one Landfill 25 blank results were within blank acceptance criteria specified in the Quality Assurance Project Plan (2). Furthermore, the levels of background contamination seen in the blank results were either well below regulatory action levels or well below field sample concentrations, or contamination was determined to be inconsequential because the target analyte was not detected at any level in the associated field samples. For these reasons the measurement results are considered valid for their intended use in developing remedial action recommendations. Additional information is provided below regarding results for diesel and pesticide analyses, which have been identified as specific areas of concern. Metals results are also addressed.

3.1.1 Diesel Results

The contamination giving rise to "hits" in the Cannon field and laboratory TPH diesel blanks was identified for all of the Cannon analyses as not being attributable to diesel. An example chromatogram of a Landfill 25 laboratory blank in which the contamination was present is shown in Figure 1. As indicated in the figure, the contamination shows up as a two or three peaks eluting very early in the diesel retention time window. A typical chromatogram of a diesel standard (the laboratory control sample, which is carried through the extraction step like a sample) is shown for comparison in Figure 2. Comparison of the two chromatograms clearly shows, first of all, that the contaminant is not diesel. It further shows that the contamination would not interfere with the detection of diesel if it were actually present in the field samples. This further illustrated in Figure 3, which shows a chromatogram of a diesel standard (a Landfill 25 laboratory control sample) in which the contamination is present. In this figure, the characteristic diesel pattern is still clearly identifiable, despite the presence of the contaminant peaks. Finally, Figure 4 shows an example chromatogram of a Landfill 25 sample. The characteristic contaminant peaks are visible, as are several

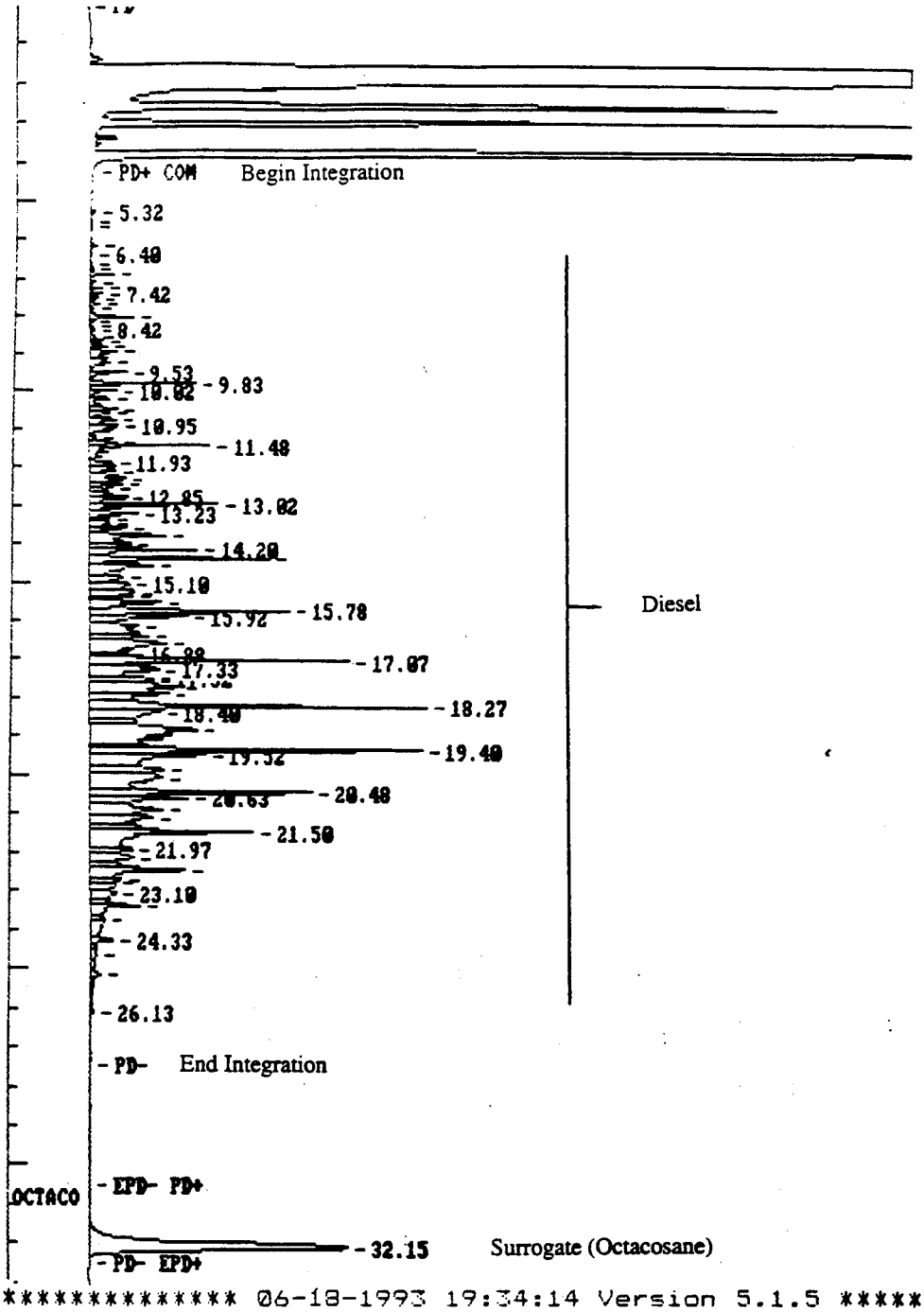
Areas, times, and heights stored in: C:UM1710.ATB
Data File = C:UM1710.PTS Printed on 10-21-1993 at 14:53:20
Start time: 0.00 min. Stop time: 39.00 min. Offset: 0 mv.
Full Range: 25 millivolts




```
********************* 10-21-1993 14:52:34 Version 5.1.5 ********************
* Sample Name: 921032307ARB, METHOD BLANK          Data File: C:UM1710       *
* Date: 11-17-1992 19:15:12 Method: C:DM033021 10-21-1993 14:11:10  #  357*
* Interface: 0   Cycle#:  10   Operator DKS Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: .001  Area Threshold: 75            *
*****************************************************************************
* Instrument Type: MONTE                  Column Type: DB-1                 *
*            Solvent Description:                                           *
* Conditions:                                                               *
*            Detector 0: FID                  Detector 1:                   *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 1. Example Chromatogram of Diesel Blank With Contamination

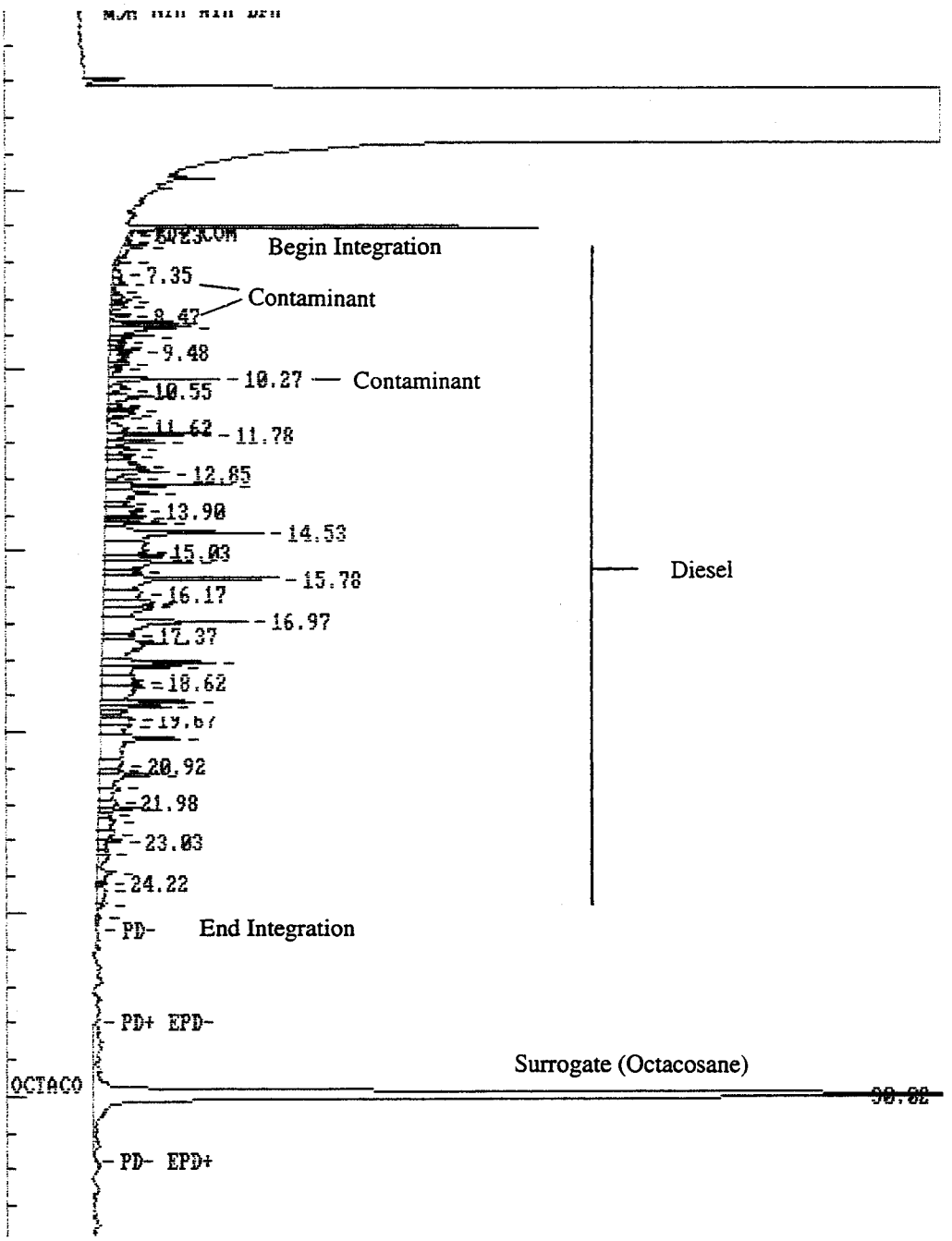
as, times, and heights stored in: W:113FR6.ATB
a File = W:113FR6.PTS Printed on 06-18-1993 at 19:34:57
rt time: 0.00 min. Stop time: 35.00 min. Offset: 0 mv.
l Range: 75 millivolts




```
******************** 06-18-1993 19:34:14 Version 5.1.5 ********************
* Sample Name: LCS93606, LCS                          Data File: W:113FR6      *
* Date: 06-18-1993 18:59:11 Method: W:113FPT  06-17-1993 09:03:17  #  421 *
* Interface: 14  Cycle#:  6    Operator DKS Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100              *
*****************************************************************************
* Instrument Type: GERMAINE GC11          Column Type: DB-1                 *
*              Solvent Description:                                         *
* Conditions: 40C 2MIN 10C/MIN 270C 10MIN                                   *
*             Detector 0: FID                    Detector 1:                *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 2. **Example Chromatogram of Diesel Standard (Recent LCS) Without Contamination**

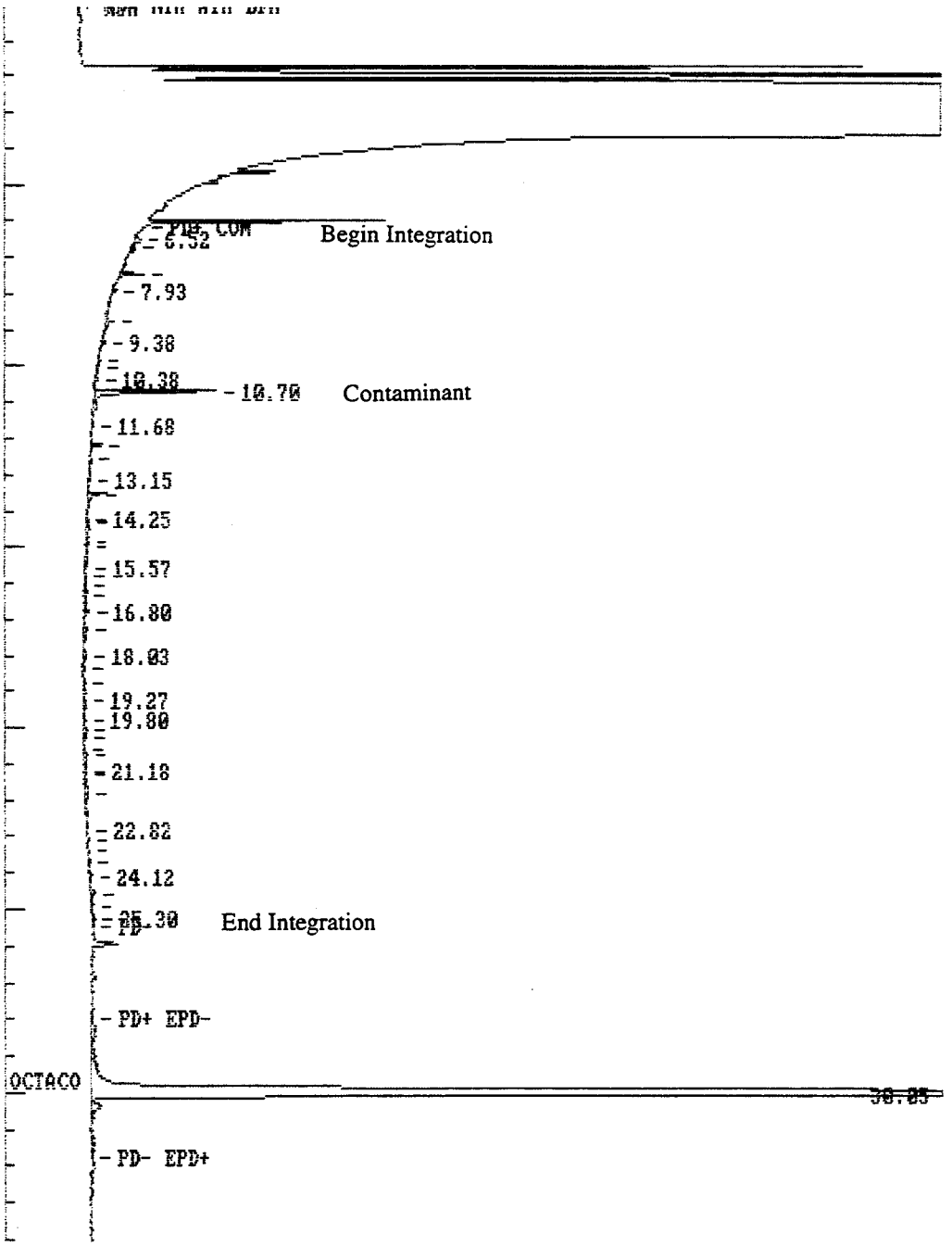
Areas, times, and heights stored in: C:UM178.ATB
Data File = C:UM178.PTS Printed on 10-21-1993 at 14:51:52
Start time: 0.00 min. Stop time: 39.00 min. Offset: 0 mv.
Full Range: 25 millivolts




```
********************** 10-21-1993 14:51:20 Version 5.1.5 ********************
* Sample Name: 921029704A0D, CANNON                Data File: C:UM178        *
* Date: 11-17-1992 17:32:39 Method: C:DM033021 10-21-1993 14:11:10  #  357*
* Interface: 0   Cycle#:  8    Operator DKS Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: .001  Area Threshold: 75            *
*****************************************************************************
* Instrument Type: MONTE                  Column Type: DB-1                 *
*            Solvent Description:                                           *
* Conditions:                                                               *
*            Detector 0: FID                  Detector 1:                   *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 3. **Example Chromatogram of Diesel Standard (Landfill 25 LCS) With Contamination**

Areas, times, and heights stored in: C:SM1419.ATB
Data File = C:SM1419.PTS Printed on 10-21-1993 at 15:30:23
Start time: 0.00 min. Stop time: 39.00 min. Offset: 0 mv.
Full Range: 25 millivolts




```
******************** 10-21-1993 15:30:12 Version 5.1.5 ********************
* Sample Name: 921009401A. CAN-97-11-04          Data File: C:SM1419        *
* Date: 10-15-1992 03:36:14 Method: C:DM033021 10-21-1993 14:11:10  #  357*
* Interface: 0   Cycle#:  19   Operator DKS Channel#: 0   Vial#: N.A.      *
* Starting Peak Width:  10 · Threshold: .001  Area Threshold: 75            *
*****************************************************************************
* Instrument Type: MONTE                  Column Type: DB-1                 *
*            Solvent Description:                                           *
* Conditions:                                                               *
*            Detector 0: FID                  Detector 1:                   *
* Misc. Information:                                                        *
*****************************************************************************
```

Figure 4. Example Chromatogram of Landfill 25 Sample With Contamination

other small peaks. However, the diesel pattern is clearly absent in this chromatogram. Like the other Landfill 25 results for diesel analyses, the result of 9.6 mg/kg reported for this sample was flagged as not matching the diesel pattern.

The maximum concentration of contamination observed in any of the Cannon Landfill 25 diesel blanks was 15 mg/kg. Because there are no method-specified or federally-established detection limits for diesel, laboratories often use reporting limits of their own or default to limits established by the state in which the samples were collected. New Mexico does not specify required detection or reporting limits for diesel analyses. Had the diesel reporting limit been set at the method reporting limits established by the states of Washington (50 mg/kg) or Arizona (40 mg/kg), all Landfill 25 laboratory blanks would have been reported as "not detected." Only three of the Cannon blanks exceeded the method detection limit required by the State of California (10 mg/kg). However, because of the need for uncensored data for use in risk assessment, Radian reported all results as obtained. For results below the Radian detection limit (5 mg/kg for soil samples) the values were flagged with a "J" flag in the laboratory reports.

In addition to the "J" flag indicating results below the detection limit, results for all samples and blanks were flagged (with a "G" flag) as not meeting the identification criteria for diesel. Despite this qualitative flag on the results reported by the laboratory, the reports provided to EPA were somewhat misleading with respect to the nature and identity of the contaminant. Both Radian's RFI report and the MRD data quality report for Landfill 25 explicitly noted that the chromatographic pattern observed in the blanks and samples did not match the characteristic diesel pattern. However, references in the text to detection of "diesel" are likely the source of much of the confusion and concern surrounding the diesel data.

Cannon diesel analyses continued uninterrupted because the contaminant did not interfere with the laboratory's ability to identify diesel and because the concentration of the contaminant was below the acceptance limit for diesel blanks specified in the QAPP (five times the method detection limit, or 25 mg/kg in soil samples). Since diesel was not present in the samples the contamination also did not interfere with diesel quantitation.

In summary, the contamination that was seen and reported in the Landfill 25 diesel analyses was not diesel. The contaminant peaks were quantitated and reported because they fell within the retention time window for diesel, but the results were clearly flagged in the laboratory reports as not matching the diesel pattern. Because the contaminant peaks eluted very early in the diesel window, they would not have interfered with the laboratory's ability to detect the characteristic diesel pattern had diesel been present in any of the field samples. The contamination also did not interfere with diesel quantitation, since diesel was not detected in any samples. Had the diesel results been reported using a censored data reporting convention like that typical of many laboratories, few, if any, of the contaminant values would have been reported, since they fall below commonly used method reporting limits. Finally, all diesel results are considered valid because all blank results met the blank acceptance criteria specified in the project QAPP. There is no impact on Cannon measurement data quality or on decisions based on the data due to either the nature or level of this contamination.

Radian has been working since the contaminant was first observed in the diesel analyses to identify and eliminate it, as part of the process of continuous improvement in Radian's laboratory, . This work has shown the contaminant (or contaminants) to be attributable to surface interactions between samples and glass surfaces that have had contact with freon. Freon is used as the extraction solvent for Total Petroleum Hydrocarbon analyses using EPA Method 9071 (Soxhlet extraction) for analysis by EPA Method 418.1 (IR). Historically, glassware used in the Method 9071 extractions was commingled with glassware from other extraction methods during the

glassware washing steps. This appears to have been the primary route of contamination. Steps have been taken to segregate the glassware used in the Method 9071 extractions, and this has resulted in a marked decrease in contamination levels seen in the diesel analyses. Radian is currently in the process of completely segregating the freon extractions from other extractions altogether, in an effort to further reduce both the incidence and magnitude of contamination. Figure 5 shows a plot of results for diesel laboratory blanks covering a time period from July 1992 to the present. This time period includes all of the Cannon work (July 1992 through early December 1992). As indicated in the plot, the average level of concentration has been significantly reduced, particularly over the past six to eight months. The uncontaminated LCS shown in Figure 3, above, is an example of current performance.

3.1.2 Pesticide Results

The contamination seen in the TPH diesel analyses was also seen in the Landfill 25 pesticide analyses. Since the pesticide analyses also require an initial extraction, the identity, origin, and route of exposure of the contaminants can be presumed to be the same as for the diesel analyses. The contamination was clearly identified as not being any of the target pesticides. Pesticide contamination was not raised as a concern in initial comments, because the frequency of "hits" reported for pesticides in field and laboratory blanks was much lower than seen for diesel. This lower incidence is attributable largely to the second column confirmation analysis performed as part of the pesticide method.

Another factor which lowered the apparent incidence rate for "hits" in pesticide blanks is that individual peaks are quantitated in the pesticide analysis, rather than summing peak areas for multiple peaks, as is done in the diesel method. Therefore, the reported values for contamination in the pesticide blanks tended to be lower relative to the pesticide detection limits. This, in turn, resulted in fewer results reported above the detection limits (e.g., in the QC Summary Reports).

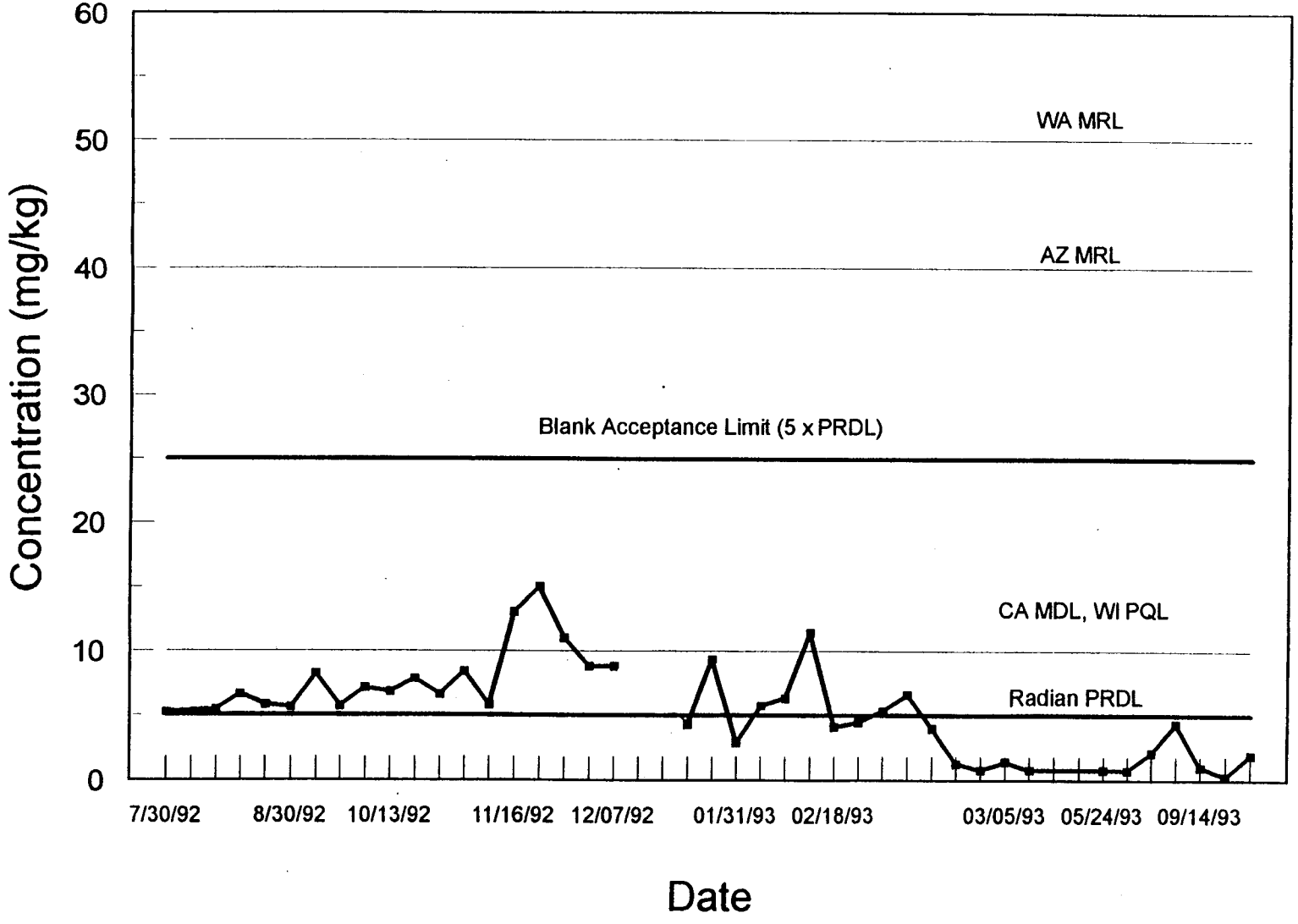


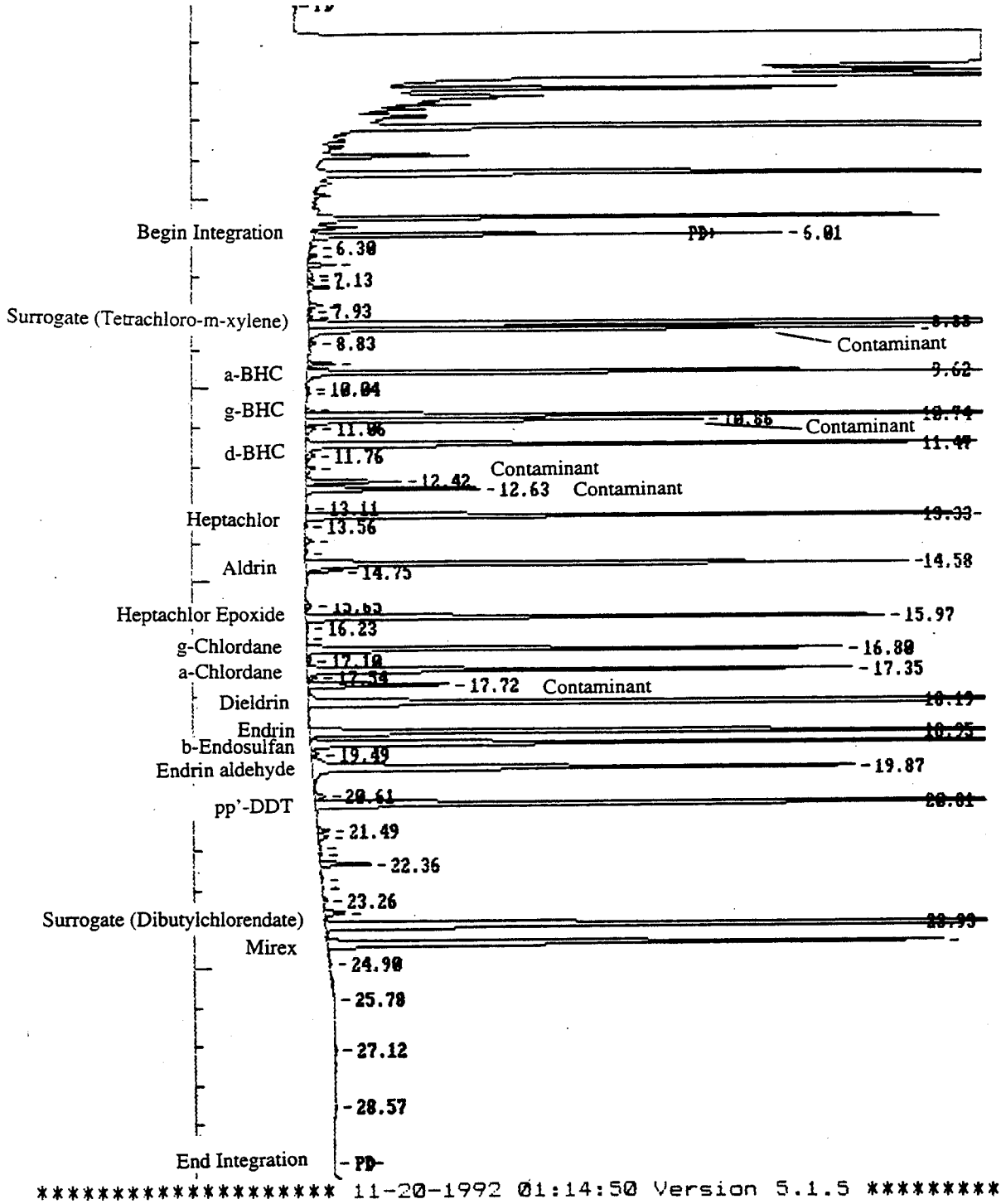
Figure 5. Laboratory Blank Results for Diesel - July 1992 through September 1993

Only one pesticide result (heptachlor epoxide) in one Landfill 25 laboratory blank exceeded the QAPP acceptance limit of three times the detection limit. (There were no pesticide results reported above the detection limit in laboratory blanks for either Landfill 3 or Landfill 4.) Apart from this single result, there were only two other instances where pesticide results meeting the second column confirmation criteria were reported above the detection limit in laboratory blanks. Both of these results were at or below two times the detection limit. There were also results meeting the second column criteria reported above the detection limit in a number of the field blanks. However, this is largely attributable to order of magnitude lower detection limits for the field blanks, which are liquid samples extracted by liquid/liquid extraction, as compared to the detection limits for the solid matrix (glass wool) laboratory blanks. In all cases, the pesticide blank results were orders of magnitude below the RCRA Subpart S action levels for pesticides, and thus had no impact on the overall data usability.

Figures 6 and 7 show example chromatograms of a pesticide laboratory blank in which the contamination was present. Figure 6 is the primary column chromatogram and Figure 7 is the chromatogram for the secondary (confirmation) column. As indicated in the figures, the contamination shows up as (typically) six to eight peaks throughout the retention time range of the target pesticides. However, the contaminant peaks generally do not interfere with identification of the target analytes because they do not elute at the same retention times as the target analytes. This is shown in Figures 8 and 9, which are example primary and secondary column chromatograms for a pesticide standard (the Laboratory Control Sample) in which the contamination is present. Figures 10 and 11 show another LCS in which the contamination is absent, for comparison.

Even in cases where one of the smaller contaminant peaks shows up at the characteristic retention time of one of the pesticides, the retention time for that peak will usually not match the retention time for that same pesticide on the confirmation column.

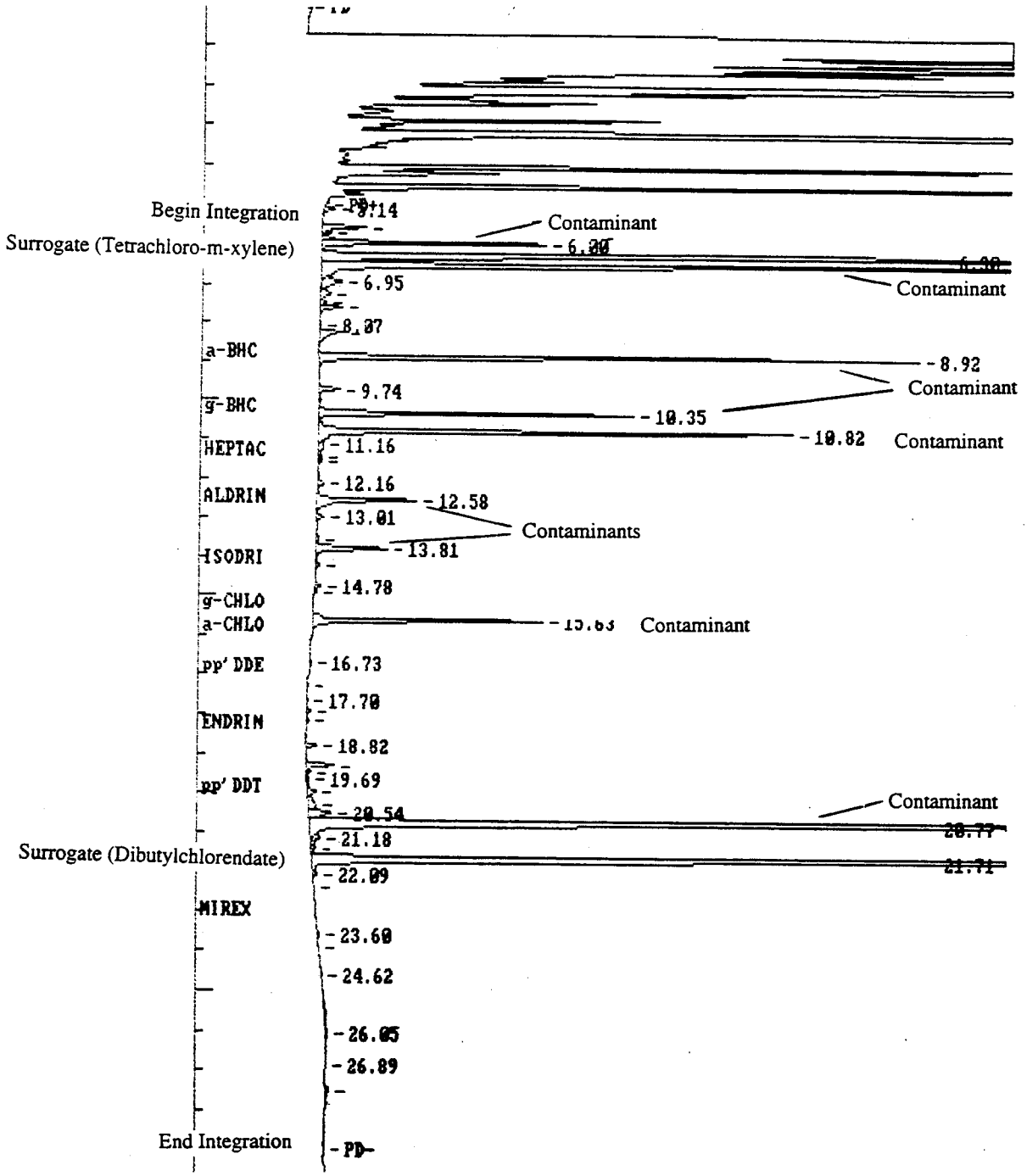
Areas, times, and heights stored in: R:M72KS16.HTB
Data File = R:M72KS16.PTS Printed on 11-20-1992 at 01:15:14
Start time: 0.00 min. Stop time: 31.00 min. Offset: -10 mv.
Full Range: 100 millivolts




```
******************** 11-20-1992 01:14:50 Version 5.1.5 ********************
* Sample Name: 9210286-15AQ LCS #LS KE_          Data File: R:M72KS16      *
* Date: 11-20-1992 00:43:38 Method: R:MKH2A  11-13-1992 12:03:40  #  1200 *
* Interface: 11  Cycle#:  16   Operator LLR Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: HP 5890  GC7          Column Type: 0.53mm 30m capillary *
*            Solvent Description: COLUMN:  M:DB-5   N:DB-608              *
* Conditions: 150 C for 0.5 min, 5 C/min, 275 C for 6 min                 *
*            Detector 0: ECD M                Detector 1: ECD N           *
* Misc. Information: INJ=210      DET=330                                 *
*************************************************************************
```

Figure 6. **Example Chromatogram of Pesticide Blank With Contamination - Primary Column**

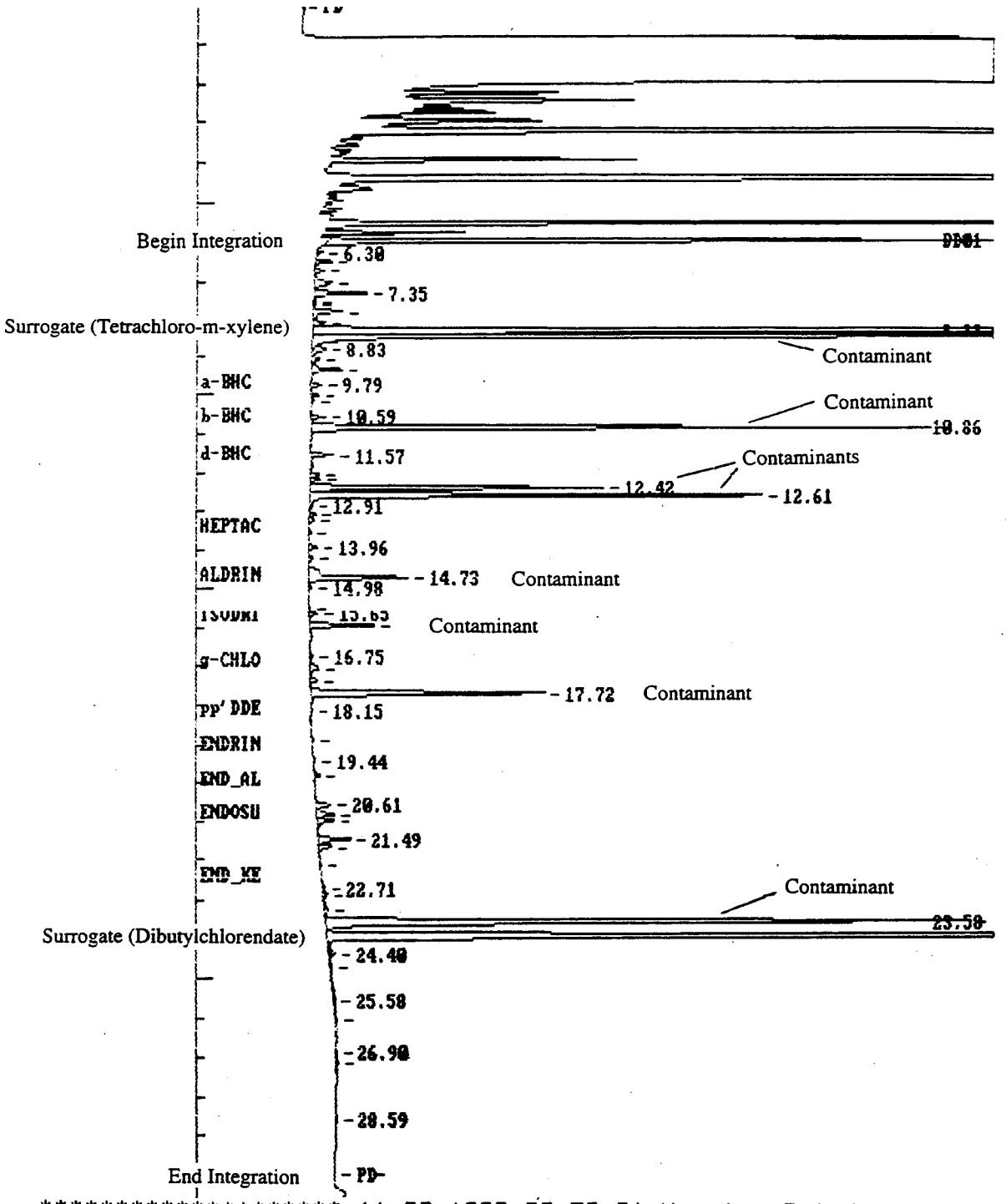
Areas, times, and heights stored in: R:N72KS15.ATB
Data File = R:N72KS15.PTS Printed on 11-20-1992 at 09:28:36
Start time: 0.00 min. Stop time: 31.00 min. Offset: -10 mv.
Full Range: 100 millivolts




```
******************** 11-20-1992 09:28:11 Version 5.1.5 ********************
* Sample Name: 9210286-12AB BM_                    Data File: R:N72KS15      *
* Date: 11-20-1992 00:07:54 Method: R:NKH2A  11-13-1992 12:04:00  #  1157 *
* Interface: 11  Cycle#:  15   Operator LLR Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  10  Threshold: 1  Area Threshold: 100               *
*****************************************************************************
* Instrument Type: HP 5890  GC7          Column Type: 0.53mm 30m capillary *
*            Solvent Description: COLUMN:  M:DB-5   N:DB-608               *
* Conditions: 150 C for 0.5 min, 5 C/min, 275 C for 6 min                  *
*          Detector 0: ECD M                Detector 1: ECD N              *
* Misc. Information: INJ=210      DET=330                                  *
*****************************************************************************
```

Figure 7. **Example Chromatogram of Pesticide Blank With Contamination - Secondary Column**

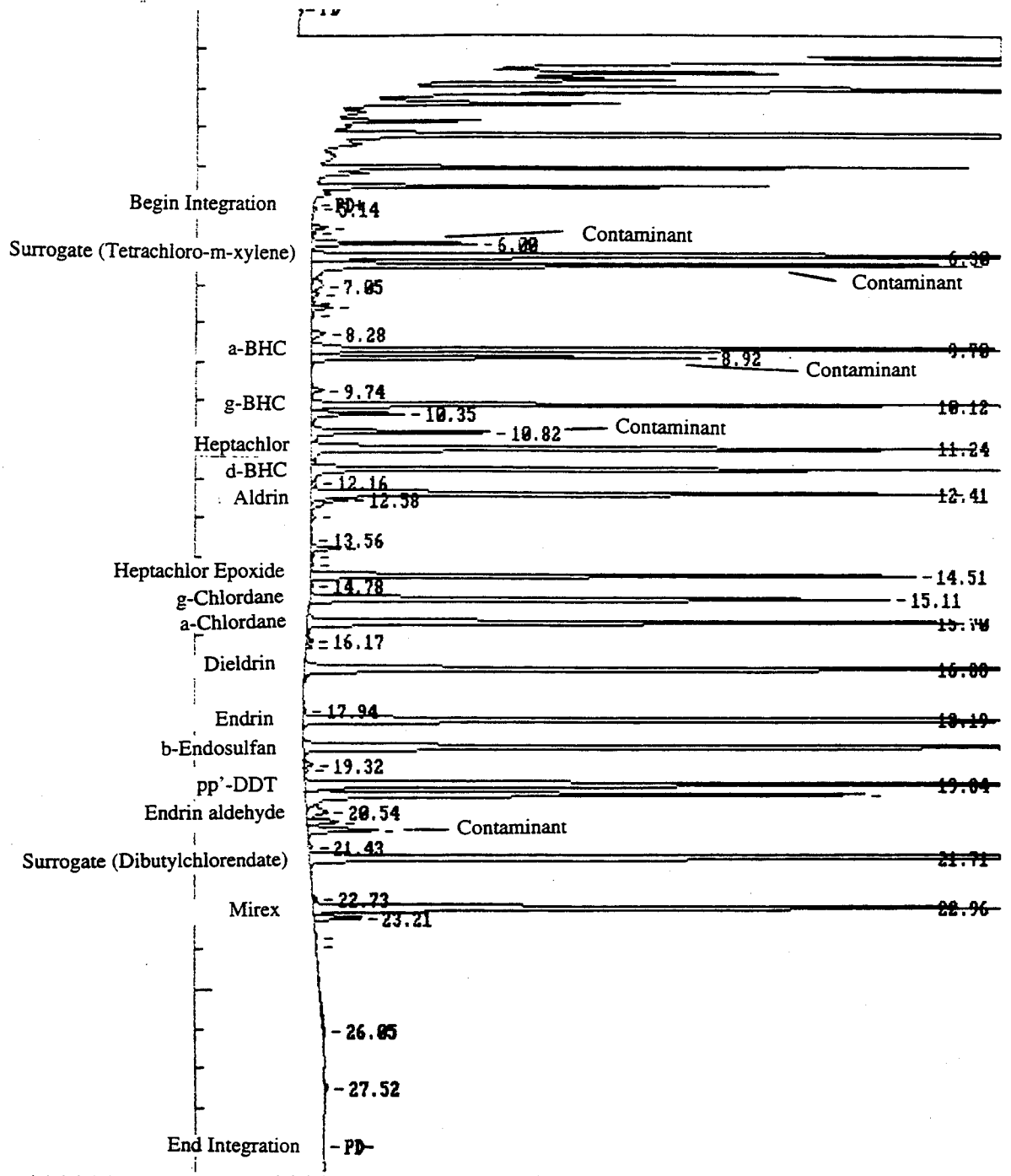
Areas, times, and heights stored in: R:M72KS15.ATB
Data File = R:M72KS15.PTS Printed on 11-20-1992 at 00:39:30
Start time: 0.00 min. Stop time: 31.00 min. Offset: -10 mv.
Full Range: 100 millivolts




```
******************** 11-20-1992 00:39:06 Version 5.1.5 ********************
* Sample Name: 9210286-12AB BM_                    Data File: R:M72KS15      *
* Date: 11-20-1992 00:07:54 Method: R:MKH2A  11-13-1992 12:03:40  #  1200 *
* Interface: 11  Cycle#:  15   Operator LLR Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100              *
*****************************************************************************
* Instrument Type: HP 5890  GC7          Column Type: 0.53mm 30m capillary *
*              Solvent Description: COLUMN:  M:DB-5   N:DB-608             *
* Conditions: 150 C for 0.5 min, 5 C/min, 275 C for 6 min                  *
*             Detector 0: ECD M                Detector 1: ECD N           *
* Misc. Information: INJ=210      DET=330                                  *
*****************************************************************************
```

Figure 8. Example Chromatogram of Pesticide Standard (Landfill 25 LCS) With Contamination - Primary Column

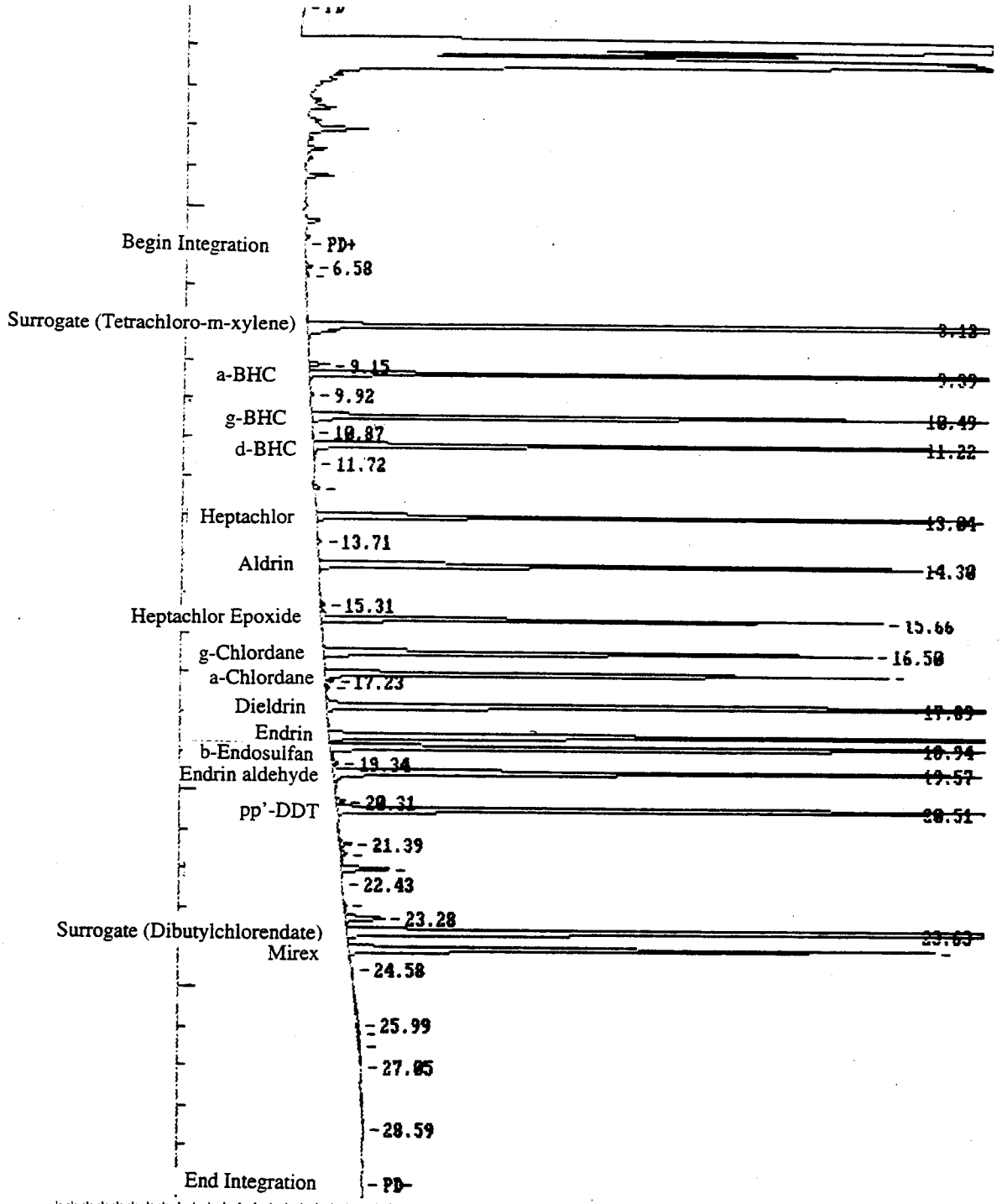
Areas, times, and heights stored in: R:N72KS16.ATB
Data File = R:N72KS16.PTS Printed on 11-20-1992 at 09:30:07
Start time: 0.00 min. Stop time: 31.00 min. Offset: -10 mv.
Full Range: 100 millivolts




```
****************** 11-20-1992 09:29:48 Version 5.1.5 ******************
* Sample Name: 9210286-15AQ LCS #LS KE_          Data File: R:N72KS16     *
* Date: 11-20-1992 00:43:38 Method: R:NKH2A  11-13-1992 12:04:00  #  1157 *
* Interface: 11  Cycle#:  16   Operator LLR Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*****************************************************************************
* Instrument Type: HP 5890  GC7          Column Type: 0.53mm 30m capillary *
*              Solvent Description: COLUMN:  M:DB-5   N:DB-608            *
* Conditions: 150 C for 0.5 min, 5 C/min, 275 C for 6 min                 *
*            Detector 0: ECD M                Detector 1: ECD N           *
* Misc. Information: INJ=210      DET=330                                 *
*****************************************************************************
```

Figure 9. Example Chromatogram of Pesticide Standard (Landfill 25 LCS) With Contamination - Secondary Column

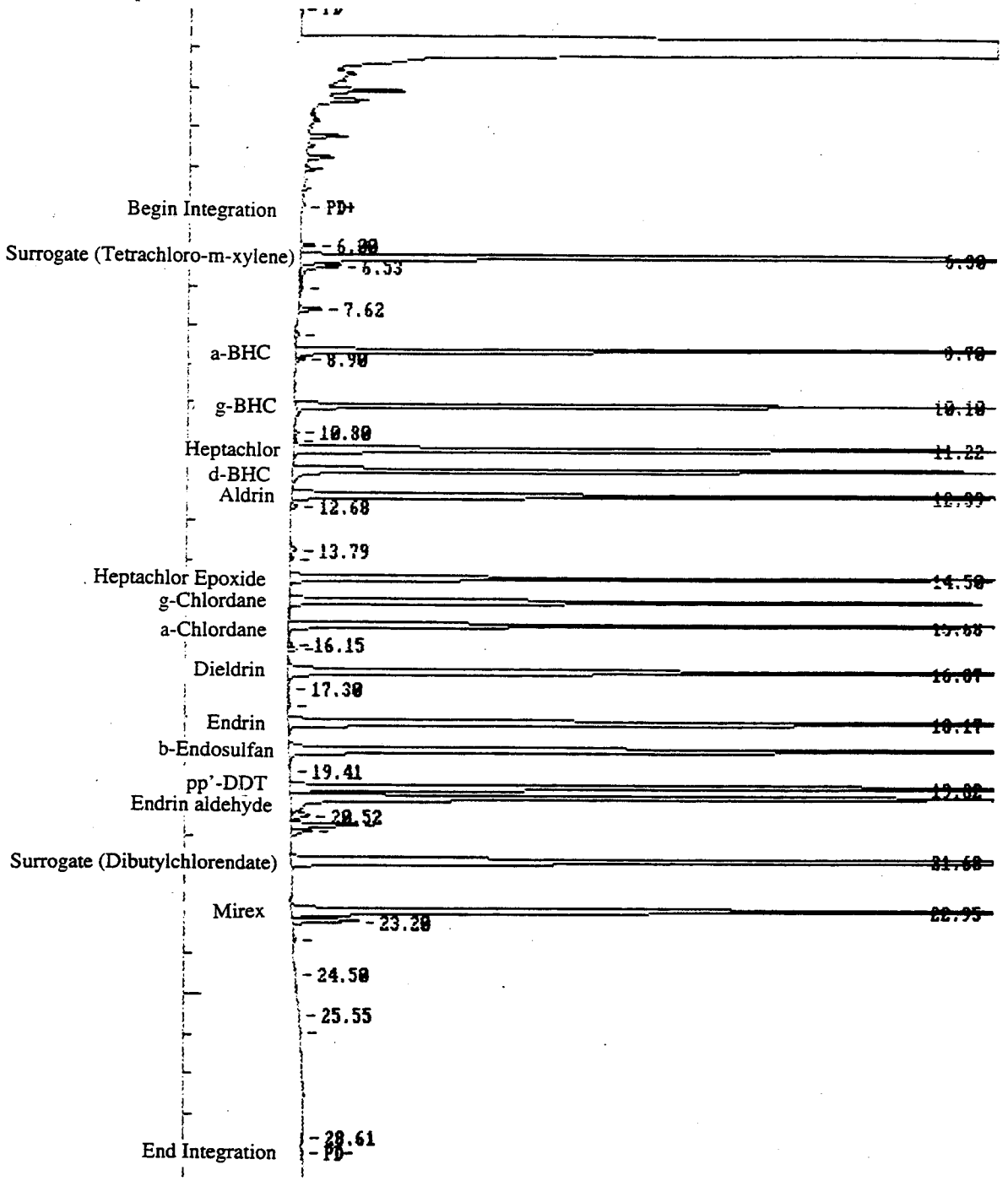
reas, times, and heights stored in: R:M73GT16.ATB
ata File = R:M73GT16.PTS Printed on 07-20-1993 at 20:56:57
tart time: 0.00 min. Stop time: 31.00 min. Offset: -10 mv.
ull Range: 100 millivolts




```
******************** 07-20-1993 20:56:34 Version 5.1.5 ********************
* Sample Name: LCSD93 2107 #LS KED                Data File: R:M73GT16      *
* Date: 07-20-1993 20:25:25 Method: R:MFY3A  07-20-1993 15:35:23  #  1315 *
* Interface: 11  Cycle#:  16   Operator LLR Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: HP 5890  GC7   R:    Column Type: 0.53mm 30m capillary *
*              Solvent Description: COLUMN:  M:DB-5   N:DB-608            *
* Conditions: 150 C for 0.5 min, 5 C/min, 275 C for 6 min                 *
*             Detector 0: ECD M                Detector 1: ECD N          *
* Misc. Information: INJ=210      DET=330                                 *
*************************************************************************
```

Figure 10. Example Chromatogram of Pesticide Standard (Recent LCS) Without Contamination - Primary Column

Areas, times, and heights stored in: R:N73GT16.ATB
Data File = R:N73GT16.PTS Printed on 07-20-1993 at 20:58:22
Start time: 0.00 min. Stop time: 31.00 min. Offset: -10 mv.
Full Range: 100 millivolts




```
******************** 07-20-1993 20:58:07 Version 5.1.5 ********************
* Sample Name: LCSD93 2107 #LS KED                Data File: R:N73GT16      *
* Date: 07-20-1993 20:25:25 Method: R:NFY3A  07-20-1993 15:37:15  #  1300 *
* Interface: 11  Cycle#:  16   Operator LLR Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: HP 5890  GC7   R:    Column Type: 0.53mm 30m capillary *
*              Solvent Description: COLUMN:  M:DB-5   N:DB-608            *
* Conditions: 150 C for 0.5 min, 5 C/min, 275 C for 6 min                 *
*            Detector 0: ECD M                Detector 1: ECD N           *
* Misc. Information: INJ=210      DET=330                                 *
*************************************************************************
```

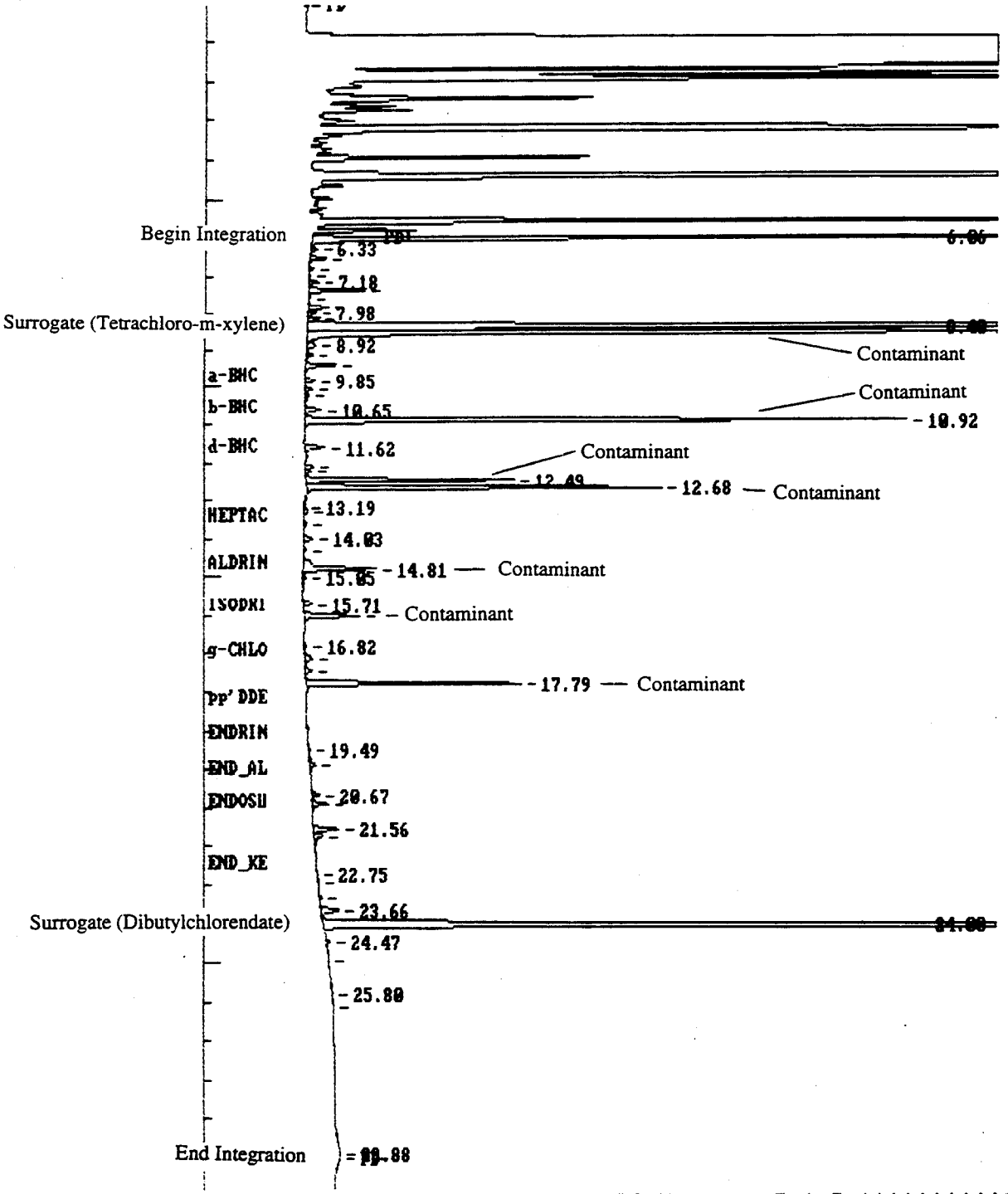
Figure 11. Example Chromatogram of Pesticide Standard (Recent LCS) Without Contamination - Secondary Column

Therefore, the identification criteria are not satisfied. This is illustrated in Figures 12 and 13 which show example chromatograms for a Landfill 25 sample. Here, the characteristic contaminant peaks are clearly visible. However, none of these peaks satisfied the identification criteria for any of the target analytes, because of the second column confirmation criteria. There potentially could be a contaminant peak on the primary column that elutes at the characteristic retention time for one of the pesticides and a different contaminant peak that elutes at that pesticide's characteristic retention time on the confirmation column. In most cases, the identification will still not confirm because the quantitation on the two columns will differ by more than a factor of three, indicating that the peaks on the two columns do not represent the same analyte. When this occurs, the result is reported, but flagged with a "G" flag that indicates that the identity of the analyte is not confirmed. All but three of the Landfill 25 laboratory blank results for pesticides that were reported above the detection limit were flagged with a "G" flag to indicate that the results did not meet the confirmation criteria.

Some of the confusion surrounding the pesticide results may be attributable to an error in the representation of the "G" flag in the Landfill 25 RFI report. There the "G" flag is incorrectly defined as indicating that the analyte identity was confirmed, but that the quantitation is estimated. On the contrary, as described above, the "G" flag indicates that the result does not satisfy the criteria for analyte identification.

In summary, the presence of any type of contamination in environmental analytical data presents a risk of false positive results. However, from a data usability standpoint false positive results are not a significant concern until the concentrations begin to approach risk or regulatory action levels. Below these levels, there is no significant impact on data usability. Method detection limits for the pesticides ranged from about 0.33 μg/kg to 0.6 μg/kg for soil samples and were about 0.01 μg/L for the liquid field blanks (i.e., equipment rinsate blanks). Blank acceptance criteria for solid samples were therefore on the order of 1 to 2 μg/kg for laboratory blanks and 0.03 μg/L for equipment blanks (i.e., five times the detection limit). Only one pesticide result in a

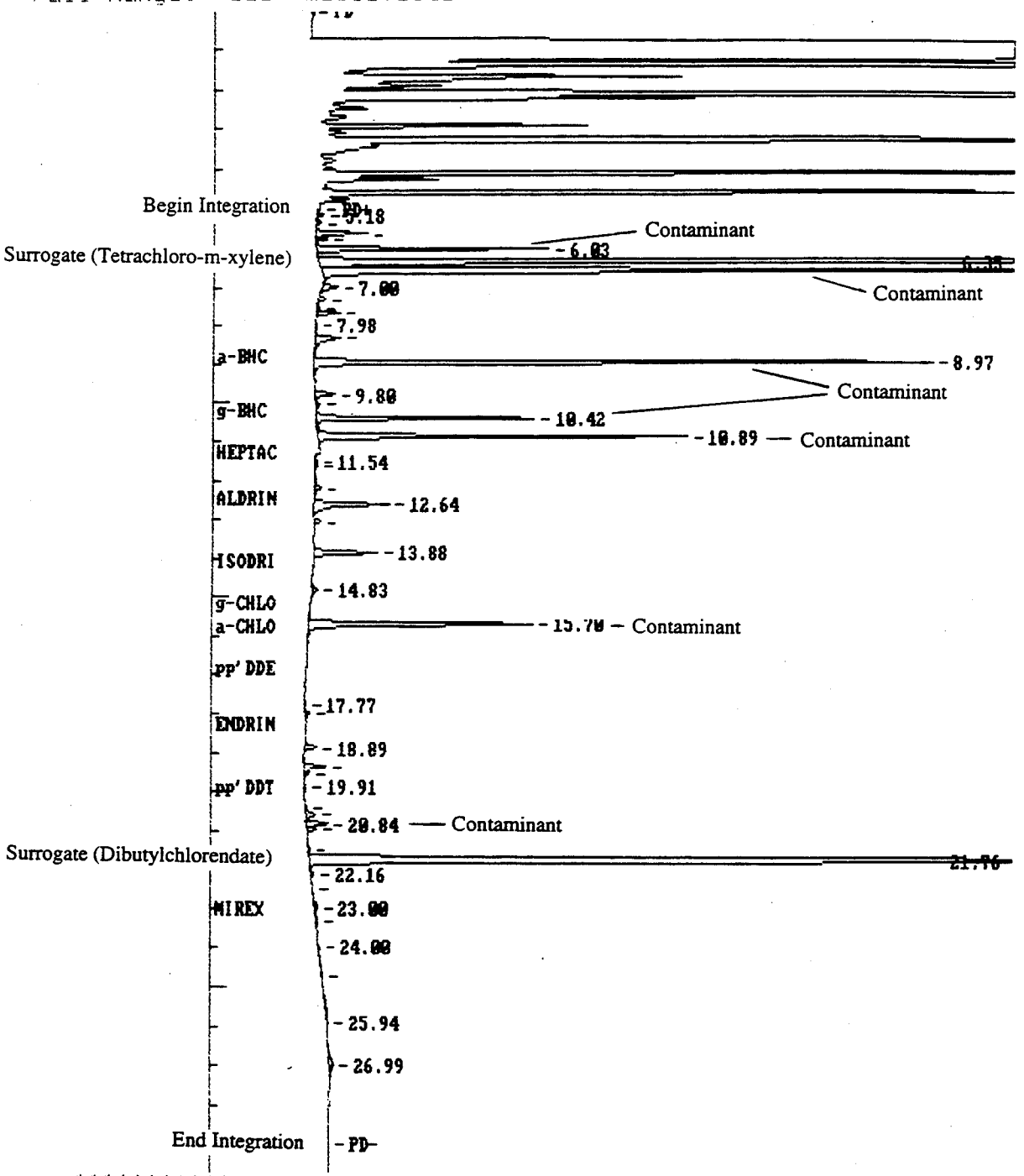
Areas, times, and heights stored in: R:M72KL30.ATB
Data File = R:M72KL30.PTS Printed on 11-13-1992 at 10:03:18
Start time: 0.00 min. Stop time: 31.00 min. Offset: -10 mv.
Full Range: 100 millivolts




```
******************** 11-13-1992 10:02:54 Version 5.1.5 ********************
* Sample Name: 9210150-07A.SS_                    Data File: R:M72KL30      *
* Date: 11-13-1992 09:31:46 Method: R:MKH2A  11-09-1992 13:17:00  #  1199 *
* Interface: 11  Cycle#:  30   Operator LLR Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*****************************************************************************
* Instrument Type: HP 5890  GC7          Column Type: 0.53mm 30m capillary *
*              Solvent Description: COLUMN:  M:DB-5   N:DB-608             *
* Conditions: 150 C for 0.5 min, 5 C/min, 275 C for 6 min                  *
*             Detector 0: ECD M                Detector 1: ECD N           *
* Misc. Information: INJ=210       DET=330                                 *
*****************************************************************************
```

Figure 12. Example Chromatogram of Landfill 25 Sample With Contamination - Primary Column

Areas, times, and heights stored in: R:N72KL30.ATB
Data File = R:N72KL30.PTS Printed on 11-13-1992 at 10:04:53
Start time: 0.00 min. Stop time: 31.00 min. Offset: -10 mv.
Full Range: 100 millivolts




```
********************* 11-13-1992 10:04:31 Version 5.1.5 ********************
* Sample Name: 9210150-07A SS_                    Data File: R:N72KL30      *
* Date: 11-13-1992 09:31:46 Method: R:NKH2A  11-09-1992 13:17:16  #  1156 *
* Interface: 11  Cycle#:  30   Operator LLR Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*****************************************************************************
* Instrument Type: HP 5890  GC7          Column Type: 0.53mm 30m capillary *
*              Solvent Description: COLUMN:  M:DB-5   N:DB-608             *
* Conditions: 150 C for 0.5 min, 5 C/min, 275 C for 6 min                  *
*            Detector 0: ECD M                Detector 1: ECD N            *
* Misc. Information: INJ=210       DET=330                                 *
*****************************************************************************
```

Figure 13. Example Chromatogram of Landfill 25 Sample With Contamination - Secondary Column

single laboratory blank exceeded these acceptance criteria, and this result was flagged with a "G" flag) to indicate that the identification was not confirmed. RCRA Subpart S Action Levels for the pesticides range from 40 μg/kg for Aldrin to 4000 μg/kg for ß-BHC. The relative magnitudes of these levels of concern, as compared to pesticide detection limits and blanks results is illustrated in Figure 14. For those pesticides reported in the method blanks, the highest blank result is shown in the figure (including "G"-flagged results). Pesticides for which blank results are not shown were not detected in any method blanks. From a data usability standpoint, the levels of contamination seen in the pesticide analyses (including the single exceedance) clearly have no impact on the suitability of Cannon measurement data for its intended use.

As discussed in the section on diesel analyses, above, the source of the extractable contaminants in Radian's laboratory has been identified, and the level of contamination has been reduced below detection limits for the diesel analyses. Because the contaminants seen in the pesticide analyses are the same as those seen in the diesel analyses, similar reductions in contaminant levels have been observed in the pesticide analyses as successive corrective actions have been implemented. The uncontaminated LCS, shown in figures 10 and 11 is an example of current performance.

3.1.3 Metals Results

Several metals were occasionally detected in field or laboratory blanks. However, no blank results for any of the metals exceeded the blank acceptance criteria specified in the QAPP (five times the detection limit). Also, the frequency of occurrence above the detection limit was very low for metals.

Lead was the only metal analyzed by atomic absorption spectroscopy (AA) that was reported in Landfill 25 blanks at concentrations above the detection limit. Lead was reported above the detection limit in a total of 5 blanks (four field blanks and one laboratory blank) out of the 24 blanks collected for Landfill 25. The reported

DETECTION LIMITS & HEALTH-BASED LEVELS
for PESTICIDES

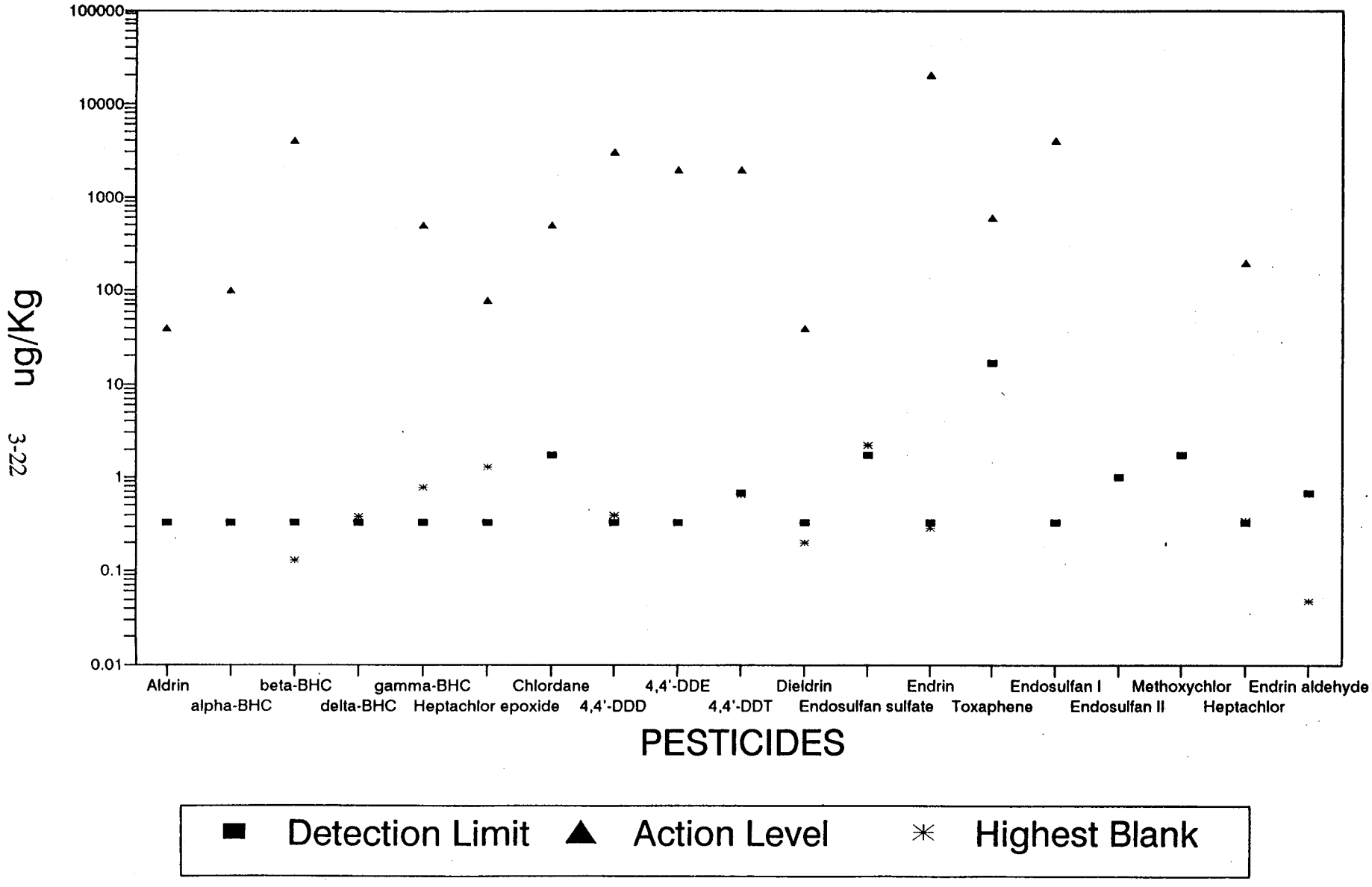


Figure 14. Detection Limits, Action Levels, and Highest Blank Results for Pesticides

concentration for lead in the laboratory blank was 0.34 mg/kg, which is just over the 0.3 mg/kg detection limit and over two orders of magnitude below the Subpart S Action Level (114 mg/kg). The highest field blank result was 0.0086 mg/L, which is less than three times the detection limit and also represents levels over two orders of magnitude below the Action Level.

Out of the 24 blanks analyzed by ICP (i.e., EPA Method 6010), there were just two instances in which results were reported above the detection limit for any of the ICP metals. Both of these results were for iron, and they included one field blank at 0.12 mg/L (just over two times the 0.05 mg/L detection limit) and one laboratory blank at 12 mg/kg (also just over twice the 5 mg/kg detection limit).

Neither the observed concentrations nor the frequencies of detection for the AA and ICP metals is considered to indicate a systematic problem of metals contamination. Rather, the perception of a contamination problem is attributed to the reporting conventions and format used in the Cannon reports.

3.2 Sample Handling

Apart from the general issue of laboratory contamination, the other area that has been raised as a concern regarding impact on sample integrity and data usability is the general issue of sample handling. This impression is attributable to qualitative statements in MRD's data quality reports that are generally misleading with regard to overall sample handling on the Cannon Landfill RFI projects. The general concerns raised in the MRD reports pertain to an implied inability to discern sample identifications in some cases and to the condition (primarily temperature) of samples upon arrival at the laboratory. MRD is reviewing their documentation regarding sample receipt at their laboratory, and is providing a separate assessment of sample integrity as pertains to the QA splits.

As an integral part of Radian's laboratory operations, sample integrity is checked and documented upon sample arrival at the laboratory. Any exceptions or anomalies are noted and the project team is contacted to determine how to proceed with the affected samples. Additionally, as part of Radian's continuous improvement process, the laboratory staff communicates directly with our field sampling teams any changes or improvements that they need to make with respect to sample packaging, labeling, shipping, and custody documentation.

Over 170 samples, with over 760 individual sample splits, were collected for the Cannon Landfill 25 remedial investigation. All samples sent to the Radian laboratory, except for those shown in Table 3, were received and documented by the Radian laboratory as uncompromised samples. Exceptions were noted for the sample splits listed in Table 3. These splits, which were collected over a single three-day period (Saturday, Sunday, and Monday) were noted as not meeting the temperature criterion of 4°±2°C upon receipt. (The cooler temperatures were, in all cases within this range; individual sample containers exceeded the criterion, as indicated.) For all sample splits that arrived outside the acceptable temperature range, samples were either recollected in the field or sufficient sample material was obtained from another split of the same sample that was within the required temperature range upon arrival at the laboratory. The identities of the specific sample splits affected, as well as the identities of the corresponding replacement splits, are listed in Table 3.

In summary, the frequency of occurrence of problems associated with the Cannon Landfill 25 investigation is not atypical for a sampling effort of this magnitude. Samples were received outside temperature limits on only two days. No sample identification problems were noted by the Radian laboratory personnel. The data presented in the Cannon Landfill 25 RFI report resulted from samples whose integrity was not compromised during shipping and handling.

Table 3

Warm Samples

Date Received	Date Initially Sampled	Sample ID	Splits Arriving Warm	Date Resampled	Splits Recollected	Splits Taken From Another Sample
10/06/93	10/04/92	CAN-97-3AS	8015P			8015P
		CAN-97-09-12	metals			metals
		CAN-97-09-11	8080, metals			8080, metals
		CAN-97-09-03	8270			8270
		CAN-97-09-09	8015P			8015P
		CAN-97-09-10	8270, metals			8270, metals
		CAN-97-09-02	8080, metals			8080, metals
		CAN-97-09-07	8240, 8015P	10/13/92	8240, 8015P	
		CAN-97-09-08	8240	10/13/92	8240	
		CAN-97-09-06	8080, metals, 8270	10/13/92	metals, 8080, 418.1, 8270	
		CAN-97-3A-I	8240	10/13/92	8240	
		CAN-97-09-99	8270	10/13/92	metals, 8080, 418.1, 8270	
		CAN-97-09-01	8240	10/13/92	8240	
		CAN-97-8B-02	8240	10/13/92	8240	

Table 3

(Continued)

Date Received	Date Initially Sampled	Sample ID	Splits Arriving Warm	Date Resampled	Splits Recollected	Splits Taken From Another Sample
10/06/93	10/05/92	CAN-97-8B-11	8080			8080
		CAN-97-8B-09	8080, metals			8080, metals
		CAN-97-8B-05	8080, metals			8080, metals
		CAN-97-8B-06	8080			8080
		CAN-97-8B-04	8080, 8270			8080, 8270
		CAN-97-8B-12	8240, 8080, 8270, metals	10/13/92	8240, metals, 418.1, 8270, 8080	
		CAN-97-8A-I	8270, metals, 8080	10/07/92	metals, 418.1, 8270, 8015, 8080	
		CAN-97-8B-99	8080, 8270, metals	10/13/92	8240, metals, 418.1, 8270, 8080	
		CAN-97-8B-07	8080, 8270, metals	10/13/92	metals, 418.1, 8270, 8015, 8080, 8150	
10/07/93	10/06/92	CAN-97-4A-99	8240			8240
		CAN-97-10-06	8080			8080
		CAN-97-4A-I	8240, 8015	10/13/92	8240, 8015	

REFERENCES

1. Radian Corporation, 1993. RCRA Facility (RFI) Report, Landfill No. 25, SWMU No. 97, IRP Site LF-25, Houston, Texas, August 1993.

2. Radian Corporation, 1992. Quality Assurance Project Plan (QAPP), Landfill No. 25, SWMU No. 97, IRP Site LF-25, Austin, Texas, September 1992.

3. Radian Corporation, 1993. Quality Control Summary (QCSR) Report, Landfill No. 25, SWMU No. 97, IRP Site LF-25, Austin, Texas, September 1993.