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SUPPLEMENTAL RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATION AND REMEDIAL INVESTIGATION REPORT FOR EIGHT SITES APPENDIX I VOLUME 3 NAS KEY WEST FL

6/1/1997

BROWN AND ROOT ENVIRONMENTAL

0085

Supplemental RCRA Facility Investigation and Remedial Investigation Report

Appendix I, Volume III

for

Eight Sites Naval Air Station Key West, Florida

Southern Division Naval Facilities Engineering Command

Contract Number N62467-94-D-0888

Contract Task Order 0007

June 1997

Brown & Root Environmental

Revision 1

7046-23PC

APPENDIX I - VOLUME 3 OF 4

AIK-OES-97-5350

SUPPLEMENTAL RCRA FACILITY INVESTIGATION AND REMEDIAL INVESTIGATION REPORT

EIGHT SITES
NAVAL AIR STATION
KEY WEST, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29406

Submitted by:
Brown & Root Environmental
661 Anderson Drive
Foster Plaza 7
Pittsburgh, Pennsylvania 15220

CONTRACT NUMBER N62467-94-D-0888
CONTRACT TASK ORDER 0007

JUNE 1997

PREPARED BY:

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AIKEN, SOUTH CAROLINA

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PROGRAM MANAGER
BROWN & ROOT ENVIRONMENTAL
PITTSBURGH, PENNSYLVANIA

GENERAL CASE NARRATIVE

CASE NARRATIVE
for
Brown & Root Environmental
Aiken, SC 29803
SOUTHDIV CLEAN Contract N62467-94-D-0888

November 18, 1996

Laboratory Identification:

General Engineering Laboratories, Inc.

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29414

Telephone Number:

(803) 769-7391

Summary:

Sample receipt

The water samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina between October 1, 1996 and October 7, 1996, for Environmental Analyses. All sample containers arrived without any visible signs of tampering or breakage. The shipping container temperatures for coolers (#63, #128, #57) received on October 2, 1996, were not within specifications. A nonconformance report was generated with the disposition to analyze as is, per the client. The samples were delivered with chain of custody documentation and signatures.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
S5MW-4	9610017-01
S5MW-5	9610017-02
S5MW-3	9610017-03
S5MW-2	9610017-04
S5DPGW	9610017-05
RB07-100196	9610017-06
S7MW-1	9610017-07
S7MW-3	9610017-08
S7MW-2	9610017-09
TB08-100196	9610017-10
S7SW-06	9610017-11
S7SW-04	9610017-12
S7SW-07	9610017-13
S7SW-08	9610017-14

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407
(803) 556-8171 • Fax (803) 766-1178

Printed on recycled paper.

S7SW-05	9610017-15
I3MW-3	9610017-16
ABSW-06	9610017-17
ABSW-10	9610017-18
RB08-100396	9610017-19
ABMW-2	9610017-20

Case Narrative

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed in the analytical case narratives. GEL references twenty-five compound names on the raw data and forms that are synonyms of the Brown & Root compound names, which are referenced on the electronic data deliverable (EDD). A cross-reference synonym table of the Brown & Root compound names and the corresponding GEL compound names is included in the package. Note, we have provided organic test codes which lists RDLs, PQLs and MDLs. The PQL and MDL values are uncorrected, because prep and moisture factors do not apply. The MDL and PQL values on the EDD are corrected for prep and moisture.

Data Package:

The enclosed data package contains the following sections: General Narrative, MDLs, Volatiles, Semivolatiles, Pesticides/PCB, Herbicides, Metals, Cyanide, Chain of Custody. The analytical sections contain the following information: case narrative, forms, raw data, LCS control charts, hardcopy electronic data deliverable, and Nonconformance Reports (if applicable).

The following are definitions of qualifiers used by Organics:

U - The analytical result is a non-detect

J - The associated numerical value is below the Detection Limit (DL).

E - The concentration of the analyte exceeds the calibrated range of the instrument.

JN - Presumptiveevidence of presence of material at an estimated concentration (usually applied to TICs only).

P - This flag is used by the lab for pesticide/Aroclor PCB target analytes when there is greater than 25% analyte concentration difference between the two GC columns.

The following are definitions of reporting limits used at General Engineering Laboratories:

DL — Detection Limit: The minimum level of an analyte that can be determined (identified not quantified) with 99% confidence. The values are normally achieved by preparing and analyzing seven aliquots of laboratory water spiked 1 to 5 times the estimated MDL, taking the standard deviation and multiplying it against the one-tailed t-statistic at 99%. This computed value is then verified for reasonableness by repeating the study using the concentration found in the initial study, calculating an F-ratio, and computing the final limit. Sample specific preparation and dilution factors are applied to these limits when they are reported.

The detection limit is the minimum concentration of a substance that can be identified, measured, and reported with 99% confidence that the analyte concentration is above zero. It answers the question "Is It Present".

QL — Quantitation Limit: The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The QL is generally 5 to 10 times the MDL. However, it may be nominally chosen within these guidelines to simplify data reporting. For many analytes the QL analyte concentration is selected as the lowest non-zero standard in the calibration curve.

Sample QL's are highly matrix-dependent. Sample specific preparation and dilution factors are applied to these limits when they are reported

The QL is always ≥ DL

RL — Reporting Limit: Same as the QL except where driven by contract or client specifications. If the sample specific preparation and dilution factors cause the QL to be elevated above the RL, then the QL is used as the RL.

This data package, to the best of my knowledge, is in compliance with technical and administrative requirements.

Valerie S. Davis

Valerie S. Davis
Project Manager

fc:hali00396.111896

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Cross-Reference Synonym Table

B&R Parmname	GEL Parmname
1,1-DICHLOROETHENE	1,1-DICHLOROETHYLENE
1,3-DINITROBENZENE	m-DINITROBENZENE
2,4,5-TP (SILVEX)	SILVEX
2-CHLORO-1,3-BUTADIENE	CHOROPRENE
2-METHYL-4,6-DINITROPHENOL	4,6-DINITRO-2-METHYLPHENOL
BIS(2-CHLOROISOPROPYL)ETHER	BIS(2-CHLOROMETHYLETHYL)ETHER
BROMODICHLOROMETHANE	DICHLOROBROMOMETHANE
BROMOMETHANE	METHYL BROMIDE
CHLOROMETHANE	METHYL CHLORIDE
CIS-1,2-DICHLOROETHENE	1,2-CIS-DICHLOROTHYLENE
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROYLENE
CORROSIVITY (pH)	CORROSIVITY
ENDOSULFAN-1	ENDOSULFAN 1
ETHYL CYANIDE	PROPIONITRILE
IODOMETHANE	METHYL IODIDE
M&P-CRESOL	3-METHYLPHENOL,4-METHYLPHENOL
N-NITROSODIMETHYLAMINE	N-METHYL-N-NITROSOMETHYLAMINE
O,O,O-TRIETHLYPHOSPHOROTHIOATE	TRIETHYLPHOSPHOROTHIOATE
P-DIMETHYLAMINOAZOBENZENE	P-(DIMETHYLAMINO)AZOBENZE
SULFOTEP	SULFOTEPP
TETRACHLOROETHENE	TETRACHLOROETHYLENE
THIONAZIN	THIONAZINE
TRANS-1,2-DICHLOROETHENE	1-2,TRANS-DICHLOROETHYLENE
TRANS-1,3-DICHLOROPROPENE	TRANS-1,3-DICHLOROPROPYLENE
TRICHLOROETHENE	TRICHLOROETHYLENE

HERBICIDE/PESTICIDES/PCB DATA

CASE NARRATIVE
SDG 6A017W
Herbicide Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Herbicides by SW-846 Method 8150:

Sample Description	Laboratory Identification
RB07-100196	9610017-06
S7MW-1	9610017-07
S7MW-3	9610017-08
S7MW-2	9610017-09
S7SW-06	9610017-11
S7SW-04	9610017-12
S7SW-07	9610017-13
S7SW-08	9610017-14
S7SW-05	9610017-15
I3MW-3	9610017-16
ABSW-06	9610017-17
ABSW-10	9610017-18
RB08-100396	9610017-19
ABMW-2	9610017-20
Blank	QC392399
Laboratory Control Sample (LCS)	QC392400
Laboratory Control Sample Duplicate (LCSD)	QC392401
ABSW-06 Matrix Spike (MS)	QC392402
ABSW-06 Matrix Spike Duplicate (MSD)	QC392403

Instrument Calibration

Initial and continuing calibration criteria established in the methodology were met for all analyses for the compounds of interest.

Holding Times

The samples were analyzed within the technical holding time.

Surrogate Analysis

The surrogates met quality control acceptance criteria.

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

The MS and MSD met quality control criteria for recoveries and relative percent difference (RPD).

2100

Laboratory Control Samples

The LCS and LCSD analyzed met quality control criteria for recoveries and relative percent difference (RPD). The limits are generated by statistical proces control (SPC).

Dilutions

The samples were analyzed at the standard 10x dilution.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391403

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 031R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391404

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 032R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.21	
95-76-5	2,4,5-T	0.25	
93-72-1	2,4,5-TP	0.37	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391405

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 034R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.20	
95-76-5	2,4,5-T	0.22	
93-72-1	2,4,5-TP	0.32	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-6MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391406

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 035R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.19	
95-76-5	2,4,5-T	0.18	
93-72-1	2,4,5-TP	0.18	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-6MSD

Name: Contract:

La. Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391407

Sample wt/vol: 990 (g/mL) mL Lab File ID: 036R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.31	
95-76-5	2,4,5-T	0.30	
93-72-1	2,4,5-TP	0.31	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-6

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69579W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609579-08

Sample wt/vol: 980 (g/mL) mL Lab File ID: 043R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBO7-100196

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-06

Sample wt/vol: 1020 (g/mL) mL Lab File ID: 048R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.098	U
95-76-5	2,4,5-T	0.098	U
93-72-1	2,4,5-TP	0.098	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-07

Sample wt/vol: 1035 (g/mL) mL Lab File ID: 049R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-3

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-08

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 050R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.096	U
95-76-5	2,4,5-T	0.096	U
93-72-1	2,4,5-TP	0.096	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-2

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-09

Sample wt/vol: 970 (g/mL) mL Lab File ID: 051R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-06

Name: Contract:

La. Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-11

Sample wt/vol: 1035 (g/mL) mL Lab File ID: 052R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-04

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-12

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 053R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-07

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-13

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 054R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 056R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-05

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-15

Sample wt/vol: 1035 (g/mL) mL Lab File ID: 057R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-3

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-16

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 058R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.096	U
95-76-5	2,4,5-T	0.096	U
93-72-1	2,4,5-TP	0.096	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392399

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 051R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/09/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MS

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392400

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 052R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/09/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.66	P
95-76-5	2,4,5-T	0.72	
93-72-1	2,4,5-TP	0.78	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MSD

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392401

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 053R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/09/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.72	
95-76-5	2,4,5-T	0.76	
93-72-1	2,4,5-TP	0.84	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-06MS

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392402

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 054R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.83	P
95-76-5	2,4,5-T	0.83	
93-72-1	2,4,5-TP	1.0	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABSW-06MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392403

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 055R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.78	
95-76-5	2,4,5-T	0.79	
93-72-1	2,4,5-TP	0.91	

FORM 1 Brown & Root Environ04-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ABSW-06

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-17

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 056R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

FORM 1 Brown & Root Environ04-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ABSW-10

Name: Contract:

La. Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-18

Sample wt/vol: 1025 (g/mL) mL Lab File ID: 057R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.098	U
95-76-5	2,4,5-T	0.098	U
93-72-1	2,4,5-TP	0.098	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-19

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 058R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.60	
93-72-1	2,4,5-TP	0.66	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-2

Name: GENERAL ENGINEERING LABS Contract:

La Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-20

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 060R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.66	P
95-76-5	2,4,5-T	0.69	
93-72-1	2,4,5-TP	0.76	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK03

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC395751

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 025R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/25/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK03MS

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC395752

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 026R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/25/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.56	P
95-76-5	2,4,5-T	0.61	
93-72-1	2,4,5-TP	0.65	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK03MSD

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC395753

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 027R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/25/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.59	P
95-76-5	2,4,5-T	0.64	
93-72-1	2,4,5-TP	0.69	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-6RRMS

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC395754

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 028R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/25/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.59	
95-76-5	2,4,5-T	0.65	
93-72-1	2,4,5-TP	0.70	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-6RRMSD

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC395755

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 029R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/25/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.71	
95-76-5	2,4,5-T	0.77	
93-72-1	2,4,5-TP	0.83	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-6RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9609579-08

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 037R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/01/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB07-100196RR

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-06

Sample wt/vol: 975 (g/mL) mL Lab File ID: 041R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-1RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-07

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 042R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.096	U
95-76-5	2,4,5-T	0.096	U
93-72-1	2,4,5-TP	0.096	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-3RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-08

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 044R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.096	U
95-76-5	2,4,5-T	0.096	U
93-72-1	2,4,5-TP	0.096	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-2RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 045R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-06RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-11

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 046R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-04RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-12

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 047R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-07RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-13

Sample wt/vol: 1020 (g/mL) mL Lab File ID: 048R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.098	U
95-76-5	2,4,5-T	0.098	U
93-72-1	2,4,5-TP	0.098	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-14

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 049R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-05RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-15

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 050R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-3RR

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-16

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 051R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/23/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.096	U
95-76-5	2,4,5-T	0.096	U
93-72-1	2,4,5-TP	0.096	U

CASE NARRATIVE
SDG 6A017W
Herbicide Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Herbicides by SW-846 Method 8150:

Sample Description	Laboratory Identification
RB08-100396	9610017-19
ABMW-2	9610017-20
Blank	QC401991
Laboratory Control Sample (LCS)	QC401992
KWM07 Matrix Spike (MS)	QC401994
KWM07 Matrix Spike Duplicate (MSD)	QC401995

Instrument Calibration

The standard analyzed on 12/2/96 at 11:20 did not meet continuing calibration criteria for 2,4-D or silvex on the confirmation column (DB-5). The standards analyzed on 12/2/96 at 1654 and 2057 and 12/3/96 at 1348 did not meet criteria for 2,4,5-T on DB-5. The standard analyzed on 12/3/96 at 1123 did not meet criteria for 2,4,5-T or silvex on DB-5.

Holding Times

The samples were re-extracted and re-analyzed outside of the technical holding time in order to confirm concentrations of target analytes.

Blank Analysis

No target analytes were detected in the method blank.

Surrogate Analysis

The surrogates met acceptance criteria.

Spike Analysis

The MS and MSD was diluted due to matrix interference. The Form 1s are reported for the 1:10 and 1:100 analyses. The Form 3 reported reflects the 1:100 dilution. The QC was performed on a Brown & Root sample not included in this SDG.

Laboratory Control Samples

The LCS met quality control criteria for recoveries. There is no LCSD associated with this batch because the container was dropped during extraction. Therefore, the MSD is used to establish precision.

Dilutions

The samples were analyzed at the standard 10x dilution.

Additional Comments

Samples RB08-100396 and ABMW-2 were re-extracted out of holding to confirm concentrations of target analytes. The analyte concentrations were not confirmed, therefore, the data originally reported within holding is incorrect.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK04

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC401991

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 003R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK04MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401992

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 004R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.71	
95-76-5	2,4,5-T	0.76	
93-72-1	2,4,5-TP	0.82	

FORM 1 Brown & Root Environ23-NOV-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

KWM07

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9611400-14

Sample wt/vol: 930 (g/mL) mL Lab File ID: 015R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.11	U
95-76-5	2,4,5-T	0.11	U
93-72-1	2,4,5-TP	0.11	U

*DATA NOT USABLE.
SAMPLE WAS OVERRANGE; A DILUTION WAS MADE FOR MATRIX INTERFERENCE.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KWM07MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401994

Sample wt/vol: 930 (g/mL) mL Lab File ID: 005R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.64	P
95-76-5	2,4,5-T	0.67	P
93-72-1	2,4,5-TP	0.79	P

*DATA NOT USABLE.
SAMPLE WAS OVERRANGE; A DILUTION WAS MADE FOR MATRIX INTERFERENCE.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KWM07MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401995

Sample wt/vol: 950 (g/mL) mL Lab File ID: 006R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.70	P
95-76-5	2,4,5-T	0.74	P
93-72-1	2,4,5-TP	0.94	P

*DATA NOT USABLE.
SAMPLE WAS OVERRANGE; A DILUTION WAS MADE FOR MATRIX INTERFERENCE.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-19

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 018R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-2

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 019R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

FORM 1 Brown & Root Environ23-NOV-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

KWM07DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9611400-14

Sample wt/vol: 930 (g/mL) mL Lab File ID: 005R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/03/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	1.1	U
95-76-5	2,4,5-T	1.1	U
93-72-1	2,4,5-TP	1.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KWM07DL1MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401994

Sample wt/vol: 930 (g/mL) mL Lab File ID: 003R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/03/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	1.3	P
95-76-5	2,4,5-T	1.1	P
93-72-1	2,4,5-TP	0.99	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KWM07DL1MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401995

Sample wt/vol: 950 (g/mL) mL Lab File ID: 004R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/03/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	1.3	P
95-76-5	2,4,5-T	1.1	P
93-72-1	2,4,5-TP	0.98	

CASE NARRATIVE
SDG 6A017W
Pesticide/PCB Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Pesticides/PCB by SW-846 Method 8080:

Sample Description	Laboratory Identification
RB07-100196	9610017-06
S7MW-1	9610017-07
S7MW-3	9610017-08
S7MW-2	9610017-09
S7SW-06	9610017-11
S7SW-04	9610017-12
S7SW-07	9610017-13
S7SW-08	9610017-14
S7SW-05	9610017-15
I3MW-3	9610017-16
ABSW-06	9610017-17
ABSW-10	9610017-18
RB08-100396	9610017-19
ABMW-2	9610017-20
Blank	QC391363/QC392301/QC398302
Laboratory Control Sample (LCS)	QC391364/QC392302/QC398303
Laboratory Control Sample Duplicate (LCSD)	QC391365/QC392303/QC398304
PCB LCS	QC392304/QC398305
PCB LCSD	QC392305/QC398306

Instrument Calibration

Methoxychlor fails low on both columns on 10/18/96 for the first continuing calibration standard. All samples analyzed on this day were re-analyzed for that analyte. The concentrations were inserted into the EDD and forms. Heptachlor is reported from the confirmation column due to standard failure on the primary column.

Holding Times

The samples were analyzed within the technical holding times.

Surrogate Analysis

The samples met surrogate recovery criteria.

Blank Analysis

No target analytes were detected in the method blank above the PQL.

Laboratory Control Samples

The LCS identified as QC392302 exhibited an elevated RPD value for beta-BHC and reproducibly elevated % recovery for endrin aldehyde when compared to the advisory only

limits for each compound. The associated MS for the extraction prep batch did not experience similar elevated results for beta-BHC, thus demonstrating control for the samples reported. Recovery of endrin aldehyde above the listed advisory limit resulted from moderate endrin breakdown which introduced a positive reporting bias for the compound.

Spike Analysis

The MS contained 5 values which exceeded the control limits. The exceeded values for alpha-BHC and endosulfan I were limited to the MS samples and not observed in the LCS. As indicated previously, the elevated recovery of endrin aldehyde was a function of a moderate endrin breakdown in the chromatographic system. This resulted in a slight positive bias in quantitating concentrations found in samples for this compound.

Dilutions

The samples were analyzed undiluted.

Additional Comments

Sample RB08-100396 contained low level concentrations for 9 targeted pesticides. These same compounds were found to be present at high levels in sample ABSW-03 (reported in SDG# 6A140W). The two samples were not analyzed sequentially in either the sample extraction process of the instrument runs, so there is not evidence that any form of carryover occurred in the laboratory.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391363

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-32

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391363

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-32

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392301

Sample wt/vol: 500 (g/mL) mL Lab File ID: 015F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392301

Sample wt/vol: 500 (g/mL) mL Lab File ID: 015F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC398302

Sample wt/vol: 500 (g/mL) mL Lab File ID: 013F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.020	U
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.020	U
76-44-8	Heptachlor	0.020	U
309-00-2	Aldrin	0.020	U
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.040	U
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.040	U
33213-65-9	Endosulfan II	0.040	U
72-54-8	4,4'-DDD	0.040	U
1031-07-8	Endosulfan sulfate	0.040	U
50-29-3	4,4'-DDT	0.040	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.040	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.12	U
11104-28-2	Aroclor-1221	0.12	U
1114-16-5	Aroclor-1232	0.12	U
53469-21-9	Aroclor-1242	0.12	U
12672-29-6	Aroclor-1248	0.12	U
11097-69-1	Aroclor-1254	0.12	U
11096-82-5	Aroclor-1260	0.12	U
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03

Name: GENERAL ENGINEERING LABS Contract: NA

La ode: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC398302

Sample wt/vol: 500 (g/mL) mL Lab File ID: 013F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.050	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391364

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-33

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.076	
319-85-7	beta-BHC	0.071	
319-86-8	delta-BHC	0.072	
58-89-9	gamma-BHC	0.077	
76-44-8	Heptachlor	0.066	
309-00-2	Aldrin	0.079	P
1024-57-3	Heptachlor epoxide	0.060	P
959-98-8	Endosulfan I	0.070	
60-57-1	Dieldrin	0.079	J
72-55-9	4,4'-DDE	0.066	J
72-20-8	Endrin	0.093	
33213-65-9	Endosulfan II	0.070	J
72-54-8	4,4'-DDD	0.091	
1031-07-8	Endosulfan sulfate	0.068	JP
50-29-3	4,4'-DDT	0.077	J
72-43-5	Methoxychlor	0.46	
7421-93-4	Endrin aldehyde	0.096	
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.94	P
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391364

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-33

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392302

Sample wt/vol: 500 (g/mL) mL Lab File ID: 016F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.12	
319-85-7	beta-BHC	0.11	
319-86-8	delta-BHC	0.090	
58-89-9	gamma-BHC	0.10	
76-44-8	Heptachlor	0.085	P
309-00-2	Aldrin	0.080	
1024-57-3	Heptachlor epoxide	0.074	
959-98-8	Endosulfan I	0.077	P
60-57-1	Dieldrin	0.093	P
72-55-9	4,4'-DDE	0.079	JP
72-20-8	Endrin	0.080	P
33213-65-9	Endosulfan II	0.076	JP
72-54-8	4,4'-DDD	0.11	
1031-07-8	Endosulfan sulfate	0.086	P
50-29-3	4,4'-DDT	0.12	
72-43-5	Methoxychlor	0.38	JP
7421-93-4	Endrin aldehyde	0.15	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392302

Sample wt/vol: 500 (g/mL) mL Lab File ID: 016F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC398303

Sample wt/vol: 500 (g/mL) mL Lab File ID: 014F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.098	
319-85-7	beta-BHC	0.080	
319-86-8	delta-BHC	0.084	
58-89-9	gamma-BHC	0.096	
76-44-8	Heptachlor	0.096	
309-00-2	Aldrin	0.084	
1024-57-3	Heptachlor epoxide	0.082	
959-98-8	Endosulfan I	0.088	
60-57-1	Dieldrin	0.099	P
72-55-9	4,4'-DDE	0.082	P
72-20-8	Endrin	0.11	
33213-65-9	Endosulfan II	0.082	
72-54-8	4,4'-DDD	0.097	
1031-07-8	Endosulfan sulfate	0.077	
50-29-3	4,4'-DDT	0.095	P
72-43-5	Methoxychlor	0.60	
7421-93-4	Endrin aldehyde	0.11	P
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.12	U
11104-28-2	Aroclor-1221	0.12	U
1114-16-5	Aroclor-1232	0.12	U
53469-21-9	Aroclor-1242	0.12	U
12672-29-6	Aroclor-1248	0.12	U
11097-69-1	Aroclor-1254	0.12	U
11096-82-5	Aroclor-1260	0.12	U
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC398303

Sample wt/vol: 500 (g/mL) mL Lab File ID: 014F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391365

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-34

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.074	
319-85-7	beta-BHC	0.068	
319-86-8	delta-BHC	0.072	
58-89-9	gamma-BHC	0.075	
76-44-8	Heptachlor	0.065	
309-00-2	Aldrin	0.078	P
1024-57-3	Heptachlor epoxide	0.058	P
959-98-8	Endosulfan I	0.073	
60-57-1	Dieldrin	0.078	J
72-55-9	4,4'-DDE	0.068	J
72-20-8	Endrin	0.11	
33213-65-9	Endosulfan II	0.076	J
72-54-8	4,4'-DDD	0.093	
1031-07-8	Endosulfan sulfate	0.070	JP
50-29-3	4,4'-DDT	0.11	P
72-43-5	Methoxychlor	0.42	
7421-93-4	Endrin aldehyde	0.11	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.70	P
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391365

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-34

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392303

Sample wt/vol: 500 (g/mL) mL Lab File ID: 017F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.10	P
319-85-7	beta-BHC	0.074	
319-86-8	delta-BHC	0.074	
58-89-9	gamma-BHC	0.076	
76-44-8	Heptachlor	0.066	P
309-00-2	Aldrin	0.063	
1024-57-3	Heptachlor epoxide	0.060	
959-98-8	Endosulfan I	0.064	P
60-57-1	Dieldrin	0.080	P
72-55-9	4,4'-DDE	0.063	JP
72-20-8	Endrin	0.088	
33213-65-9	Endosulfan II	0.075	JP
72-54-8	4,4'-DDD	0.11	P
1031-07-8	Endosulfan sulfate	0.074	JP
50-29-3	4,4'-DDT	0.10	
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.17	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392303

Sample wt/vol: 500 (g/mL) mL Lab File ID: 017F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC398304

Sample wt/vol: 500 (g/mL) mL Lab File ID: 015F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.097	
319-85-7	beta-BHC	0.083	
319-86-8	delta-BHC	0.084	
58-89-9	gamma-BHC	0.097	
76-44-8	Heptachlor	0.095	
309-00-2	Aldrin	0.083	
1024-57-3	Heptachlor epoxide	0.082	
959-98-8	Endosulfan I	0.095	
60-57-1	Dieldrin	0.11	P
72-55-9	4,4'-DDE	0.086	P
72-20-8	Endrin	0.12	
33213-65-9	Endosulfan II	0.085	
72-54-8	4,4'-DDD	0.10	
1031-07-8	Endosulfan sulfate	0.080	
50-29-3	4,4'-DDT	0.097	P
72-43-5	Methoxychlor	0.50	
7421-93-4	Endrin aldehyde	0.12	P
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.12	U
11104-28-2	Aroclor-1221	0.12	U
1114-16-5	Aroclor-1232	0.12	U
53469-21-9	Aroclor-1242	0.12	U
12672-29-6	Aroclor-1248	0.12	U
11097-69-1	Aroclor-1254	0.12	U
11096-82-5	Aroclor-1260	0.12	U
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC398304

Sample wt/vol: 500 (g/mL) mL Lab File ID: 015F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392304

Sample wt/vol: 500 (g/mL) mL Lab File ID: 018F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor-1016	0.25	U
11096-82-5	Aroclor-1260	0.83	

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC398305

Sample wt/vol: 500 (g/mL) mL Lab File ID: 016F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
12674-11-2------	Aroclor-1016	1.2	U
11096-82-5------	Aroclor-1260	6.9	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392305

Sample wt/vol: 500 (g/mL) mL Lab File ID: 019F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
12674-11-2------	Aroclor-1016	0.25	U
11096-82-5------	Aroclor-1260	0.79	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC398306

Sample wt/vol: 500 (g/mL) mL Lab File ID: 017F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/05/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor-1016	1.2	U
11096-82-5	Aroclor-1260	6.4	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB07-100196

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-30

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBO7-100196

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-30

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-31

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-31

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-32

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4',4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-32

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-09

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-33

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7MW-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-09

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-33

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-06

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-34

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-06

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-34

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-04

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-35

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-35

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-37

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-37

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-38

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-38

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

FORM I PEST 3/90

1D
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EPA SAMPLE NO.

S7SW-08REO

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 018F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/05/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.021	P
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.020	U
76-44-8	Heptachlor	0.011	JP
309-00-2	Aldrin	0.020	U
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.040	U
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.040	U
33213-65-9	Endosulfan II	0.040	U
72-54-8	4,4'-DDD	0.040	U
1031-07-8	Endosulfan sulfate	0.040	U
50-29-3	4,4'-DDT	0.040	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.040	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.12	U
11104-28-2	Aroclor-1221	0.12	U
1114-16-5	Aroclor-1232	0.12	U
53469-21-9	Aroclor-1242	0.12	U
12672-29-6	Aroclor-1248	0.12	U
11097-69-1	Aroclor-1254	0.12	U
11096-82-5	Aroclor-1260	0.12	U
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08REO

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 018F0201

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-15

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-39

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-15

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-39

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-16

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-40

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-16

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-40

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/04/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-06

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: 024F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-06

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: 024F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-10

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-18

Sample wt/vol: 500 (g/mL) mL Lab File ID: 026F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-10

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-18

Sample wt/vol: 500 (g/mL) mL Lab File ID: 026F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 027F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.036	JP
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.11	P
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.076	P
60-57-1	Dieldrin	0.14	P
72-55-9	4,4'-DDE	0.062	JP
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.36	P
1031-07-8	Endosulfan sulfate	0.37	
50-29-3	4,4'-DDT	0.40	
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.30	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 027F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-20

Sample wt/vol: 500 (g/mL) mL Lab File ID: 028F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-20

Sample wt/vol: 500 (g/mL) mL Lab File ID: 028F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 6A017W
Semivolatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Semivolatile Organic Compounds and Polynuclear Aromatic Hydrocarbons (PAH-M610) by SW-846 Method 8270:

Sample Description	Laboratory Identification
S5MW-4	9610017-01
S5MW-5	9610017-02
S5MW-3	9610017-03
S5MW-2	9610017-04
S5DPGW	9610017-05
RB07-100196	9610017-06
S7SW-06	9610017-11
S7SW-04	9610017-12
S7SW-07	9610017-13
S7SW-08	9610017-14
S7SW-05	9610017-15
RB08-100396	9610017-19
ABMW-2	9610017-20
Blank	QC391564/QC392072
Laboratory Control Sample (LCS)	QC391565/QC392073
Laboratory Control Sample Duplicate (LCSD)	QC391566/QC392074
S5MW-4 Matrix Spike (MS)	QC391567
S5MW-4 Matrix Spike Duplicate (MSD)	QC391568
RB08-100396 (MS)	QC392075
RB08-100396 (MSD)	QC392076

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses for the compounds of interest.

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

The surrogates for samples S5MW-2 and S7SW-05 were diluted below the quantitation limits.

Internal Standards

The samples met internal standard recovery criteria.

Blank Analysis

No target analytes were detected in the method blank above the PQL.

Spike Analysis

The MS and MSD of sample S5MW-4 did not meet recovery or relative percent difference (RPD) criteria for pentachlorophenol. The MSD of sample RB08-100396 did not meet recovery criteria for pyrene or the RPD criteria for di-n-butylphthalate. Due to the matrix of sample S5MW-4, 2,4-dintrophenol was not detected in the MS or MSD. The LCS and LCSD can be used to demonstrate accuracy and precision for these compounds.

Laboratory Control Samples

All LCS and LCSD samples met quality control criteria for recoveries and RPD.

Dilutions

Sample S7SW-05 was diluted 1:2 and sample S5MW-2 was diluted 1:4 due to the matrix of the sample extract.

Additional Comments

Several analytes listed on the continuing calibration form have "++++" in the RRF column. The response of these analytes was determined by 2nd order regression, and a value for % D is shown on the Form 7.

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391564

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P108

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391564

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P108

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391564

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P108

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391564

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P108

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391565

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P109

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	28.0	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	76.0	
62-53-3	aniline	10.0	U
108-95-2	phenol	47.4	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	70.5	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	37.4	
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	41.5	
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	34.7	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	73.0	
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391565

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P109

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	39.2	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	25.7	
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	41.1	
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391565

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P109

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391565

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P109

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391566

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P110

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	29.7	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	83.3	
62-53-3	aniline	10.0	U
108-95-2	phenol	47.5	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	70.6	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	37.1	
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	42.5	
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	36.6	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	76.5	
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391566

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P110

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	40.4	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	26.4	
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	42.8	
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391566

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P110

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391566

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P110

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391567

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P111

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	76.5	
106-44-5	4-methylphenol	74.4	
67-72-1	hexachloroethane	75.2	
98-95-3	nitrobenzene	73.6	
87-68-3	hexachlorobutadiene	70.0	
88-06-2	2,4,6-trichlorophenol	60.7	
95-95-4	2,4,5-trichlorophenol	69.1	
121-14-2	2,4-dinitrotoluene	69.2	
118-74-1	hexachlorobenzene	68.2	
87-86-5	pentachlorophenol	20.1	
62-53-3	aniline	81.6	
108-95-2	phenol	56.2	
111-44-4	bis(2-chloroethyl)ether	80.1	
95-57-8	2-chlorophenol	75.1	
541-73-1	1,3-dichlorobenzene	78.8	
106-46-7	1,4-dichlorobenzene	82.0	
100-51-6	benzyl alcohol	75.3	
95-50-1	1,2-dichlorobenzene	93.8	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	84.4	
78-59-1	isophorone	72.6	
88-75-5	2-nitrophenol	74.1	
105-67-9	2,4-dimethylphenol	63.5	
111-91-1	bis(2-chloroethoxy)methane	76.9	
120-83-2	2,4-dichlorophenol	72.5	
120-82-1	1,2,4-trichlorobenzene	72.0	
91-20-3	naphthalene	86.8	
106-47-8	4-chloroaniline	79.1	
59-50-7	4-chloro-3-methylphenol	80.4	
91-57-6	2-methylnaphthalene	76.6	
77-47-4	hexachlorocyclopentadiene	66.3	
91-58-7	2-chloronaphthalene	71.6	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391567

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P111

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	74.4	
131-11-3	dimethylphthalate	65.3	
209-96-8	acenaphthylene	71.4	
606-20-2	2,6-dinitrotoluene	59.5	
99-09-2	3-nitroaniline	77.5	
83-32-9	acenaphthene	73.4	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	76.6	
100-02-7	4-nitrophenol	19.9	J
84-66-2	diethylphthalate	73.1	
7005-72-3	4-chlorophenylphenylether	91.8	
86-73-7	fluorene	88.6	
100-01-6	4-nitroaniline	72.6	
534-52-1	4,6-dinitro-2-methylphenol	24.2	
86-30-6	N-nitroso-diphenylamine	78.9	
101-55-3	4-bromophenylphenylether	82.1	
85-01-8	phenanthrene	87.0	
120-12-7	anthracene	90.9	
84-74-2	di-n-butylphthalate	104	
206-44-0	fluoranthene	68.9	
129-00-0	pyrene	66.0	
85-68-7	butylbenzylphthalate	75.7	
91-94-1	3,3'-dichlorobenzidine	92.5	
56-55-3	benzo(a)anthracene	69.0	
218-01-9	chrysene	75.4	
117-81-7	bis(2-ethylhexyl)phthalate	129	E
117-84-0	di-n-octylphthalate	102	
205-99-2	benzo(b)fluoranthene	72.6	
207-08-9	benzo(k)fluoranthene	76.9	
50-32-8	benzo(a)pyrene	73.7	
193-39-5	indeno(1,2,3-cd)pyrene	89.3	
53-70-3	dibenz(a,h)anthracene	94.5	
191-24-2	benzo(g,h,i)perylene	89.3	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391567

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P111

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	60.4	
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	23.4	
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	53.2	
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391567

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P111

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	35.3	J
62-44-2	phenacetin	4.3	J
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	9.0	J
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391568

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P112

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	79.6	
106-44-5	4-methylphenol	79.3	
67-72-1	hexachloroethane	76.6	
98-95-3	nitrobenzene	74.3	
87-68-3	hexachlorobutadiene	70.3	
88-06-2	2,4,6-trichlorophenol	62.8	
95-95-4	2,4,5-trichlorophenol	74.2	
121-14-2	2,4-dinitrotoluene	72.2	
118-74-1	hexachlorobenzene	69.0	
87-86-5	pentachlorophenol	26.3	
62-53-3	aniline	83.4	
108-95-2	phenol	57.4	
111-44-4	bis(2-chloroethyl)ether	82.0	
95-57-8	2-chlorophenol	76.7	
541-73-1	1,3-dichlorobenzene	79.4	
106-46-7	1,4-dichlorobenzene	81.9	
100-51-6	benzyl alcohol	80.5	
95-50-1	1,2-dichlorobenzene	96.0	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	87.3	
78-59-1	isophorone	74.5	
88-75-5	2-nitrophenol	76.3	
105-67-9	2,4-dimethylphenol	68.8	
111-91-1	bis(2-chloroethoxy)methane	79.6	
120-83-2	2,4-dichlorophenol	74.4	
120-82-1	1,2,4-trichlorobenzene	71.3	
91-20-3	naphthalene	86.9	
106-47-8	4-chloroaniline	83.4	
59-50-7	4-chloro-3-methylphenol	81.5	
91-57-6	2-methylnaphthalene	76.6	
77-47-4	hexachlorocyclopentadiene	68.0	
91-58-7	2-chloronaphthalene	73.2	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391568

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P112

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	81.4	
131-11-3	dimethylphthalate	71.1	
209-96-8	acenaphthylene	72.9	
606-20-2	2,6-dinitrotoluene	63.0	
99-09-2	3-nitroaniline	82.4	
83-32-9	acenaphthene	76.3	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	80.7	
100-02-7	4-nitrophenol	21.2	
84-66-2	diethylphthalate	76.5	
7005-72-3	4-chlorophenylphenylether	95.5	
86-73-7	fluorene	93.0	
100-01-6	4-nitroaniline	77.4	
534-52-1	4,6-dinitro-2-methylphenol	24.7	
86-30-6	N-nitroso-diphenylamine	80.3	
101-55-3	4-bromophenylphenylether	79.9	
85-01-8	phenanthrene	89.3	
120-12-7	anthracene	93.1	
84-74-2	di-n-butylphthalate	105	
206-44-0	fluoranthene	69.5	
129-00-0	pyrene	67.4	
85-68-7	butylbenzylphthalate	78.0	
91-94-1	3,3'-dichlorobenzidine	92.5	
56-55-3	benzo(a)anthracene	70.2	
218-01-9	chrysene	76.5	
117-81-7	bis(2-ethylhexyl)phthalate	126	E
117-84-0	di-n-octylphthalate	104	
205-99-2	benzo(b)fluoranthene	73.4	
207-08-9	benzo(k)fluoranthene	83.4	
50-32-8	benzo(a)pyrene	79.0	
193-39-5	indeno(1,2,3-cd)pyrene	92.5	
53-70-3	dibenz(a,h)anthracene	100	
191-24-2	benzo(g,h,i)perylene	94.0	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391568

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P112

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	63.8	
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC391568

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P112

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P113

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P113

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P113

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0 (mL) Date Analyzed: 10/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P113

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0 (mL) Date Analyzed: 10/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P114

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0 (mL) Date Analyzed: 10/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P114

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0 (mL) Date Analyzed: 10/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P114

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0 (mL) Date Analyzed: 10/14/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P114

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P115

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-3

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P115

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-3

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P115

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P115

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P116

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	40.0	U
95-48-7	2-methylphenol	40.0	U
106-44-5	4-methylphenol	40.0	U
67-72-1	hexachloroethane	40.0	U
98-95-3	nitrobenzene	40.0	U
87-68-3	hexachlorobutadiene	40.0	U
88-06-2	2,4,6-trichlorophenol	40.0	U
95-95-4	2,4,5-trichlorophenol	40.0	U
121-14-2	2,4-dinitrotoluene	40.0	U
118-74-1	hexachlorobenzene	40.0	U
87-86-5	pentachlorophenol	40.0	U
62-53-3	aniline	40.0	U
108-95-2	phenol	40.0	U
111-44-4	bis(2-chloroethyl)ether	40.0	U
95-57-8	2-chlorophenol	40.0	U
541-73-1	1,3-dichlorobenzene	40.0	U
106-46-7	1,4-dichlorobenzene	40.0	U
100-51-6	benzyl alcohol	40.0	U
95-50-1	1,2-dichlorobenzene	40.0	U
98-86-2	acetophenone	40.0	U
621-64-7	N-nitroso-di-n-propylamine	40.0	U
78-59-1	isophorone	40.0	U
88-75-5	2-nitrophenol	40.0	U
105-67-9	2,4-dimethylphenol	40.0	U
111-91-1	bis(2-chloroethoxy)methane	40.0	U
120-83-2	2,4-dichlorophenol	40.0	U
120-82-1	1,2,4-trichlorobenzene	40.0	U
91-20-3	naphthalene	40.0	U
106-47-8	4-chloroaniline	40.0	U
59-50-7	4-chloro-3-methylphenol	40.0	U
91-57-6	2-methylnaphthalene	40.0	U
77-47-4	hexachlorocyclopentadiene	40.0	U
91-58-7	2-chloronaphthalene	40.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P116

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	40.0	U
131-11-3	dimethylphthalate	40.0	U
209-96-8	acenaphthylene	40.0	U
606-20-2	2,6-dinitrotoluene	40.0	U
99-09-2	3-nitroaniline	40.0	U
83-32-9	acenaphthene	40.0	U
51-28-5	2,4-dinitrophenol	80.0	U
132-64-9	dibenzofuran	40.0	U
100-02-7	4-nitrophenol	80.0	U
84-66-2	diethylphthalate	40.0	U
7005-72-3	4-chlorophenylphenylether	40.0	U
86-73-7	fluorene	40.0	U
100-01-6	4-nitroaniline	40.0	U
534-52-1	4,6-dinitro-2-methylphenol	40.0	U
86-30-6	N-nitroso-diphenylamine	40.0	U
101-55-3	4-bromophenylphenylether	40.0	U
85-01-8	phenanthrene	40.0	U
120-12-7	anthracene	40.0	U
84-74-2	di-n-butylphthalate	40.0	U
206-44-0	fluoranthene	40.0	U
129-00-0	pyrene	40.0	U
85-68-7	butylbenzylphthalate	40.0	U
91-94-1	3,3'-dichlorobenzidine	200	U
56-55-3	benzo(a)anthracene	40.0	U
218-01-9	chrysene	40.0	U
117-81-7	bis(2-ethylhexyl)phthalate	40.0	U
117-84-0	di-n-octylphthalate	40.0	U
205-99-2	benzo(b)fluoranthene	40.0	U
207-08-9	benzo(k)fluoranthene	40.0	U
50-32-8	benzo(a)pyrene	40.0	U
193-39-5	indeno(1,2,3-cd)pyrene	40.0	U
53-70-3	dibenz(a,h)anthracene	40.0	U
191-24-2	benzo(g,h,i)perylene	40.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P116

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	40.0	U
123-91-1	1,4-dioxane	40.0	U
80-62-6	methyl methacrylate	40.0	U
97-63-2	ethyl methacrylate	40.0	U
109-06-8	2-picoline	40.0	U
10595-95-6	n-nitrosomethylethylamine	40.0	U
66-27-3	methyl methanesulfonate	40.0	U
55-18-5	n-nitrosodiethylamine	40.0	U
62-50-0	ethyl methanesulfonate	40.0	U
76-01-7	pentachloroethane	40.0	U
930-55-2	n-nitrosopyrrolidine	40.0	U
59-89-2	n-nitrosomorpholine	40.0	U
95-53-4	o-toluidine	40.0	U
100-75-4	n-nitrosopiperdine	40.0	U
122-09-8	a,a-dimethylphenethylamine	40.0	U
126-68-1	triethylphosphorothioate	40.0	U
87-65-0	2,6-dichlorophenol	40.0	U
1888-71-7	hexachloropropene	40.0	U
106-50-3	p-phenylenediamine	80.0	U
924-16-3	n-nitroso-di-n-butylamine	40.0	U
94-59-7	safrole	40.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	40.0	U
120-58-1	isosafrole	40.0	U
130-15-4	1,4-naphthoquinone	40.0	U
99-65-0	m-dinitrobenzene	40.0	U
608-93-5	pentachlorobenzene	40.0	U
134-32-7	1-naphthylamine	40.0	U
91-59-8	2-naphthylamine	40.0	U
58-90-2	2,3,4,6-tetrachlorophenol	40.0	U
99-55-8	5-nitro-o-toluidine	40.0	U
297-97-2	thionazine	40.0	U
122-39-4	diphenylamine	40.0	U
3689-24-5	sulfotepp	40.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5MW-2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P116

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	200	U
62-44-2	phenacetin	40.0	U
2303-16-4	diallate	40.0	U
60-51-5	dimethoate	200	U
92-67-1	4-aminobiphenyl	40.0	U
82-68-8	pentachloronitrobenzene	40.0	U
23950-58-5	pronamide	40.0	U
88-85-7	dinoseb	40.0	U
298-04-4	disulfoton	40.0	U
56-57-5	4-nitroquinoline-1-oxide	40.0	U
135-23-9	methapyrilene	200	U
465-73-6	isodrin	40.0	U
140-57-8	aramite	40.0	U
143-50-0	kepone	40.0	U
60-11-7	p-(dimethylamino)azobenzene	40.0	U
510-15-6	chlorobenzilate	200	U
119-93-7	3,3'-dimethylbenzidine	200	U
52-85-7	famphur	40.0	U
53-96-3	2-acetylaminofluorene	40.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	40.0	U
59-49-5	3-methylcholanthrene	40.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5DPGW

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P117

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5DPGW

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P117

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5DPGW

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P117

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5DPGW

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P117

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBO7100196

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P118

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBO7100196

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P118

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBO7100196

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P118

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RBO7100196

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P118

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-06

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P119

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-06

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P119

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-06

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P119

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-06

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P119

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P120

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P120

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P120

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P120

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P121

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P121

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P121

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P121

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P122

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P122

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P122

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P122

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-05

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-15

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P208

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	20.0	U
95-48-7	2-methylphenol	20.0	U
106-44-5	4-methylphenol	20.0	U
67-72-1	hexachloroethane	20.0	U
98-95-3	nitrobenzene	20.0	U
87-68-3	hexachlorobutadiene	20.0	U
88-06-2	2,4,6-trichlorophenol	20.0	U
95-95-4	2,4,5-trichlorophenol	20.0	U
121-14-2	2,4-dinitrotoluene	20.0	U
118-74-1	hexachlorobenzene	20.0	U
87-86-5	pentachlorophenol	20.0	U
62-53-3	aniline	20.0	U
108-95-2	phenol	20.0	U
111-44-4	bis(2-chloroethyl)ether	20.0	U
95-57-8	2-chlorophenol	20.0	U
541-73-1	1,3-dichlorobenzene	20.0	U
106-46-7	1,4-dichlorobenzene	20.0	U
100-51-6	benzyl alcohol	20.0	U
95-50-1	1,2-dichlorobenzene	20.0	U
98-86-2	acetophenone	20.0	U
621-64-7	N-nitroso-di-n-propylamine	20.0	U
78-59-1	isophorone	20.0	U
88-75-5	2-nitrophenol	20.0	U
105-67-9	2,4-dimethylphenol	20.0	U
111-91-1	bis(2-chloroethoxy)methane	20.0	U
120-83-2	2,4-dichlorophenol	20.0	U
120-82-1	1,2,4-trichlorobenzene	20.0	U
91-20-3	naphthalene	20.0	U
106-47-8	4-chloroaniline	20.0	U
59-50-7	4-chloro-3-methylphenol	20.0	U
91-57-6	2-methylnaphthalene	20.0	U
77-47-4	hexachlorocyclopentadiene	20.0	U
91-58-7	2-chloronaphthalene	20.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-05

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-15

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P208

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	20.0	U
131-11-3	dimethylphthalate	20.0	U
209-96-8	acenaphthylene	20.0	U
606-20-2	2,6-dinitrotoluene	20.0	U
99-09-2	3-nitroaniline	20.0	U
83-32-9	acenaphthene	20.0	U
51-28-5	2,4-dinitrophenol	40.0	U
132-64-9	dibenzofuran	20.0	U
100-02-7	4-nitrophenol	40.0	U
84-66-2	diethylphthalate	20.0	U
7005-72-3	4-chlorophenylphenylether	20.0	U
86-73-7	fluorene	20.0	U
100-01-6	4-nitroaniline	20.0	U
534-52-1	4,6-dinitro-2-methylphenol	20.0	U
86-30-6	N-nitroso-diphenylamine	20.0	U
101-55-3	4-bromophenylphenylether	20.0	U
85-01-8	phenanthrene	20.0	U
120-12-7	anthracene	20.0	U
84-74-2	di-n-butylphthalate	20.0	U
206-44-0	fluoranthene	20.0	U
129-00-0	pyrene	20.0	U
85-68-7	butylbenzylphthalate	20.0	U
91-94-1	3,3'-dichlorobenzidine	100	U
56-55-3	benzo(a)anthracene	20.0	U
218-01-9	chrysene	20.0	U
117-81-7	bis(2-ethylhexyl)phthalate	20.0	U
117-84-0	di-n-octylphthalate	20.0	U
205-99-2	benzo(b)fluoranthene	20.0	U
207-08-9	benzo(k)fluoranthene	20.0	U
50-32-8	benzo(a)pyrene	20.0	U
193-39-5	indeno(1,2,3-cd)pyrene	20.0	U
53-70-3	dibenz(a,h)anthracene	20.0	U
191-24-2	benzo(g,h,i)perylene	20.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-05

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-15

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P208

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	20.0	U
123-91-1	1,4-dioxane	20.0	U
80-62-6	methyl methacrylate	20.0	U
97-63-2	ethyl methacrylate	20.0	U
109-06-8	2-picoline	20.0	U
10595-95-6	n-nitrosomethylethylamine	20.0	U
66-27-3	methyl methanesulfonate	20.0	U
55-18-5	n-nitrosodiethylamine	20.0	U
62-50-0	ethyl methanesulfonate	20.0	U
76-01-7	pentachloroethane	20.0	U
930-55-2	n-nitrosopyrrolidine	20.0	U
59-89-2	n-nitrosomorpholine	20.0	U
95-53-4	o-toluidine	20.0	U
100-75-4	n-nitrosopiperdine	20.0	U
122-09-8	a,a-dimethylphenethylamine	20.0	U
126-68-1	triethylphosphorothioate	20.0	U
87-65-0	2,6-dichlorophenol	20.0	U
1888-71-7	hexachloropropene	20.0	U
106-50-3	p-phenylenediamine	40.0	U
924-16-3	n-nitroso-di-n-butylamine	20.0	U
94-59-7	safrole	20.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	20.0	U
120-58-1	isosafrole	20.0	U
130-15-4	1,4-naphthoquinone	20.0	U
99-65-0	m-dinitrobenzene	20.0	U
608-93-5	pentachlorobenzene	20.0	U
134-32-7	1-naphthylamine	20.0	U
91-59-8	2-naphthylamine	20.0	U
58-90-2	2,3,4,6-tetrachlorophenol	20.0	U
99-55-8	5-nitro-o-toluidine	20.0	U
297-97-2	thionazine	20.0	U
122-39-4	diphenylamine	20.0	U
3689-24-5	sulfotepp	20.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SW-05

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-15

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P208

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/07/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	100	U
62-44-2	phenacetin	20.0	U
2303-16-4	diallate	20.0	U
60-51-5	dimethoate	100	U
92-67-1	4-aminobiphenyl	20.0	U
82-68-8	pentachloronitrobenzene	20.0	U
23950-58-5	pronamide	20.0	U
88-85-7	dinoseb	20.0	U
298-04-4	disulfoton	20.0	U
56-57-5	4-nitroquinoline-1-oxide	20.0	U
135-23-9	methapyrilene	100	U
465-73-6	isodrin	20.0	U
140-57-8	aramite	20.0	U
143-50-0	kepone	20.0	U
60-11-7	p-(dimethylamino)azobenzene	20.0	U
510-15-6	chlorobenzilate	100	U
119-93-7	3,3'-dimethylbenzidine	100	U
52-85-7	famphur	20.0	U
53-96-3	2-acetylaminofluorene	20.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	20.0	U
59-49-5	3-methylcholanthrene	20.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392072

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P515

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392072

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P515

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	10.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	20.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Name: GENERAL ENGINEERING LABOR Contract:

La Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392072

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P515

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392072

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P515

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Name: GENERAL ENGINEERING LABOR Contract:

La. Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392073

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P516

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	35.1	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	74.9	
62-53-3	aniline	10.0	U
108-95-2	phenol	44.6	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	69.7	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	33.4	
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	38.4	
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	36.8	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	76.9	
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392073

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P516

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	37.2	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	33.3	
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	45.2	
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	20.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	6.1	J
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Name: GENERAL ENGINEERING LABOR Contract:

La Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392073

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P516

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392073

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P516

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392074

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P517

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	36.4	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	79.9	
62-53-3	aniline	10.0	U
108-95-2	phenol	44.6	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	70.0	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	34.5	
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	38.2	
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	37.5	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	73.3	
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392074

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P517

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	37.8	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	34.5	
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	50.8	
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	20.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392074

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P517

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392074

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P517

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392075

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P518

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0 (mL) Date Analyzed: 10/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	75.7	
106-44-5	4-methylphenol	75.5	
67-72-1	hexachloroethane	74.4	
98-95-3	nitrobenzene	77.8	
87-68-3	hexachlorobutadiene	73.0	
88-06-2	2,4,6-trichlorophenol	86.4	
95-95-4	2,4,5-trichlorophenol	91.2	
121-14-2	2,4-dinitrotoluene	87.7	
118-74-1	hexachlorobenzene	74.3	
87-86-5	pentachlorophenol	98.1	
62-53-3	aniline	72.0	
108-95-2	phenol	54.8	
111-44-4	bis(2-chloroethyl)ether	77.3	
95-57-8	2-chlorophenol	74.4	
541-73-1	1,3-dichlorobenzene	70.9	
106-46-7	1,4-dichlorobenzene	71.3	
100-51-6	benzyl alcohol	78.4	
95-50-1	1,2-dichlorobenzene	71.1	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	83.2	
78-59-1	isophorone	77.7	
88-75-5	2-nitrophenol	79.6	
105-67-9	2,4-dimethylphenol	56.1	
111-91-1	bis(2-chloroethoxy)methane	78.2	
120-83-2	2,4-dichlorophenol	78.9	
120-82-1	1,2,4-trichlorobenzene	73.5	
91-20-3	naphthalene	85.2	
106-47-8	4-chloroaniline	91.9	
59-50-7	4-chloro-3-methylphenol	86.6	
91-57-6	2-methylnaphthalene	77.3	
77-47-4	hexachlorocyclopentadiene	64.6	
91-58-7	2-chloronaphthalene	79.5	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392075

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P518

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	90.1	
131-11-3	dimethylphthalate	78.8	
209-96-8	acenaphthylene	76.9	
606-20-2	2,6-dinitrotoluene	99.6	
99-09-2	3-nitroaniline	96.3	
83-32-9	acenaphthene	79.6	
51-28-5	2,4-dinitrophenol	96.9	
132-64-9	dibenzofuran	77.9	
100-02-7	4-nitrophenol	55.4	
84-66-2	diethylphthalate	86.7	
7005-72-3	4-chlorophenylphenylether	74.5	
86-73-7	fluorene	80.6	
100-01-6	4-nitroaniline	85.9	
534-52-1	4,6-dinitro-2-methylphenol	84.9	
86-30-6	N-nitroso-diphenylamine	84.0	
101-55-3	4-bromophenylphenylether	71.6	
85-01-8	phenanthrene	75.7	
120-12-7	anthracene	76.4	
84-74-2	di-n-butylphthalate	86.6	
206-44-0	fluoranthene	74.1	
129-00-0	pyrene	101	
85-68-7	butylbenzylphthalate	86.2	
91-94-1	3,3'-dichlorobenzidine	119	
56-55-3	benzo(a)anthracene	83.0	
218-01-9	chrysene	88.2	
117-81-7	bis(2-ethylhexyl)phthalate	80.1	
117-84-0	di-n-octylphthalate	91.0	
205-99-2	benzo(b)fluoranthene	81.5	
207-08-9	benzo(k)fluoranthene	94.8	
50-32-8	benzo(a)pyrene	82.0	
193-39-5	indeno(1,2,3-cd)pyrene	77.9	
53-70-3	dibenz(a,h)anthracene	92.8	
191-24-2	benzo(g,h,i)perylene	77.3	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392075

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P518

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0 (mL) Date Analyzed: 10/18/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	68.2	
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392075

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P518

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392076

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P519

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	85.6	
106-44-5	4-methylphenol	88.6	
67-72-1	hexachloroethane	89.3	
98-95-3	nitrobenzene	92.8	
87-68-3	hexachlorobutadiene	87.7	
88-06-2	2,4,6-trichlorophenol	96.8	
95-95-4	2,4,5-trichlorophenol	105	
121-14-2	2,4-dinitrotoluene	113	
118-74-1	hexachlorobenzene	98.8	
87-86-5	pentachlorophenol	118	
62-53-3	aniline	84.1	
108-95-2	phenol	63.3	
111-44-4	bis(2-chloroethyl)ether	102	
95-57-8	2-chlorophenol	85.5	
541-73-1	1,3-dichlorobenzene	85.8	
106-46-7	1,4-dichlorobenzene	86.6	
100-51-6	benzyl alcohol	92.5	
95-50-1	1,2-dichlorobenzene	86.0	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	98.2	
78-59-1	isophorone	94.0	
88-75-5	2-nitrophenol	92.2	
105-67-9	2,4-dimethylphenol	62.4	
111-91-1	bis(2-chloroethoxy)methane	93.0	
120-83-2	2,4-dichlorophenol	88.5	
120-82-1	1,2,4-trichlorobenzene	90.0	
91-20-3	naphthalene	124	E
106-47-8	4-chloroaniline	110	E
59-50-7	4-chloro-3-methylphenol	101	
91-57-6	2-methylnaphthalene	96.2	
77-47-4	hexachlorocyclopentadiene	81.5	
91-58-7	2-chloronaphthalene	94.0	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392076

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P519

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	111	
131-11-3	dimethylphthalate	102	
209-96-8	acenaphthylene	97.0	
606-20-2	2,6-dinitrotoluene	128	E
99-09-2	3-nitroaniline	122	E
83-32-9	acenaphthene	98.4	
51-28-5	2,4-dinitrophenol	119	
132-64-9	dibenzofuran	102	
100-02-7	4-nitrophenol	68.5	
84-66-2	diethylphthalate	107	
7005-72-3	4-chlorophenylphenylether	101	
86-73-7	fluorene	102	
100-01-6	4-nitroaniline	116	
534-52-1	4,6-dinitro-2-methylphenol	108	
86-30-6	N-nitroso-diphenylamine	113	
101-55-3	4-bromophenylphenylether	102	
85-01-8	phenanthrene	99.9	
120-12-7	anthracene	107	
84-74-2	di-n-butylphthalate	186	E
206-44-0	fluoranthene	98.2	
129-00-0	pyrene	131	E
85-68-7	butylbenzylphthalate	116	
91-94-1	3,3'-dichlorobenzidine	161	E
56-55-3	benzo(a)anthracene	105	
218-01-9	chrysene	115	
117-81-7	bis(2-ethylhexyl)phthalate	106	E
117-84-0	di-n-octylphthalate	125	E
205-99-2	benzo(b)fluoranthene	119	
207-08-9	benzo(k)fluoranthene	109	
50-32-8	benzo(a)pyrene	117	
193-39-5	indeno(1,2,3-cd)pyrene	100	
53-70-3	dibenz(a,h)anthracene	125	E
191-24-2	benzo(g,h,i)perylene	103	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392076

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P519

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	81.5	
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	40.6	
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392076

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P519

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P520

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
110-86-1	pyridine	10.0	U
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P520

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
88-74-4	2-nitroaniline	10.0	U
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	10.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	20.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
117-81-7	bis(2-ethylhexyl)phthalate	10.0	U
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P520

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
62-75-9	N-methyl-N-nitrosomethylamin	10.0	U
123-91-1	1,4-dioxane	10.0	U
80-62-6	methyl methacrylate	10.0	U
97-63-2	ethyl methacrylate	10.0	U
109-06-8	2-picoline	10.0	U
10595-95-6	n-nitrosomethylethylamine	10.0	U
66-27-3	methyl methanesulfonate	10.0	U
55-18-5	n-nitrosodiethylamine	10.0	U
62-50-0	ethyl methanesulfonate	10.0	U
76-01-7	pentachloroethane	10.0	U
930-55-2	n-nitrosopyrrolidine	10.0	U
59-89-2	n-nitrosomorpholine	10.0	U
95-53-4	o-toluidine	10.0	U
100-75-4	n-nitrosopiperdine	10.0	U
122-09-8	a,a-dimethylphenethylamine	10.0	U
126-68-1	triethylphosphorothioate	10.0	U
87-65-0	2,6-dichlorophenol	10.0	U
1888-71-7	hexachloropropene	10.0	U
106-50-3	p-phenylenediamine	20.0	U
924-16-3	n-nitroso-di-n-butylamine	10.0	U
94-59-7	safrole	10.0	U
634-90-2	1,2,4,5-tetrachlorobenzene	10.0	U
120-58-1	isosafrole	10.0	U
130-15-4	1,4-naphthoquinone	10.0	U
99-65-0	m-dinitrobenzene	10.0	U
608-93-5	pentachlorobenzene	10.0	U
134-32-7	1-naphthylamine	10.0	U
91-59-8	2-naphthylamine	10.0	U
58-90-2	2,3,4,6-tetrachlorophenol	10.0	U
99-55-8	5-nitro-o-toluidine	10.0	U
297-97-2	thionazine	10.0	U
122-39-4	diphenylamine	10.0	U
3689-24-5	sulfotepp	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08-100396

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P520

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
99-35-4	1,3,5-trinitrobenzene	50.0	U
62-44-2	phenacetin	10.0	U
2303-16-4	diallate	10.0	U
60-51-5	dimethoate	50.0	U
92-67-1	4-aminobiphenyl	10.0	U
82-68-8	pentachloronitrobenzene	10.0	U
23950-58-5	pronamide	10.0	U
88-85-7	dinoseb	10.0	U
298-04-4	disulfoton	10.0	U
56-57-5	4-nitroquinoline-1-oxide	10.0	U
135-23-9	methapyrilene	50.0	U
465-73-6	isodrin	10.0	U
140-57-8	aramite	10.0	U
143-50-0	kepone	10.0	U
60-11-7	p-(dimethylamino)azobenzene	10.0	U
510-15-6	chlorobenzilate	50.0	U
119-93-7	3,3'-dimethylbenzidine	50.0	U
52-85-7	famphur	10.0	U
53-96-3	2-acetylaminofluorene	10.0	U
57-97-6	7,12-dimethylbenz(a)anthrace	10.0	U
59-49-5	3-methylcholanthrene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-20

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P521

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 6A017W
Volatile Organic Analysis by GC

Sample Analysis

The following samples were analyzed for Volatile Aromatic compounds by EPA Method 602:

Sample Description	Laboratory Identification
ABMW-2	9610017-20
Blank	QC392817
Laboratory Control Sample (LCS)	QC392818
Laboratory Control Sample Duplicate (LCSD)	QC392819
B6SW Matrix Spike (MS)	QC392820
B6SW Matrix Spike Duplicate (MSD)	QC392821

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses for the compounds of interest.

Holding Times

The samples were analyzed within the technical holding times.

Surrogate Analysis

The samples met surrogate acceptance criteria.

Internal Standards

The samples met internal standard recovery criteria.

Blank Analysis

Toluene and 1,2-Dichlorobenzene were detected in the method blank at levels below the practical quantitation limit (PQL). Thus, any samples performed on this day containing concentrations of the aforementioned compounds will be flagged with a "B".

Spike Analysis

The MS and MSD met quality control criteria for recoveries and relative percent difference (RPD). The sample spiked was a Brown & Root sample not included in this SDG.

Laboratory Control Samples

The LCS and LCSD samples met quality control criteria for recoveries and relative percent difference (RPD).

Dilutions

The samples were analyzed undiluted.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392817

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D43

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.6	J
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	1.3	J
1330-20-7	xylenes (total)	6.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392818

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D41A

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	19.1	
71-43-2	benzene	18.5	
108-88-3	toluene	17.8	
100-41-4	ethylbenzene	19.6	
541-73-1	1,3-dichlorobenzene	19.6	
106-46-7	1,4-dichlorobenzene	22.6	
95-50-1	1,2-dichlorobenzene	20.2	
1330-20-7	xylenes (total)	63.2	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392819

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D44

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	18.4	
71-43-2	benzene	18.3	
108-88-3	toluene	17.3	
100-41-4	ethylbenzene	18.9	
541-73-1	1,3-dichlorobenzene	18.5	
106-46-7	1,4-dichlorobenzene	20.9	
95-50-1	1,2-dichlorobenzene	18.5	
1330-20-7	xylenes (total)	60.6	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-05

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D45

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.1	BJ
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	2.0	U
1330-20-7	xylenes (total)	6.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SWMS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392820

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D46

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	18.3	
71-43-2	benzene	18.0	
108-88-3	toluene	17.1	B
100-41-4	ethylbenzene	18.6	
541-73-1	1,3-dichlorobenzene	18.7	
106-46-7	1,4-dichlorobenzene	21.4	
95-50-1	1,2-dichlorobenzene	19.4	B
1330-20-7	xylenes (total)	59.8	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SWMSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392821

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D47

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	18.0	
71-43-2	benzene	17.7	
108-88-3	toluene	16.9	B
100-41-4	ethylbenzene	18.3	
541-73-1	1,3-dichlorobenzene	18.5	
106-46-7	1,4-dichlorobenzene	21.1	
95-50-1	1,2-dichlorobenzene	19.2	B
1330-20-7	xylenes (total)	59.0	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A017W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610017-20

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D49

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.1	BJ
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	2.0	U
1330-20-7	xylenes (total)	6.0	U

CASE NARRATIVE
SDG 6A017W
Volatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Volatile Organic Compounds by SW-846 Method 8240:

Sample Description	Laboratory Identification
RB07-100196	9610017-06
TB08-100196	9610017-10
RB08-100396	9610017-19
Blank	QC392783
Laboratory Control Sample (LCS)	QC392786
Laboratory Control Sample Duplicate (LCSD)	QC392787
XXXX-X Matrix Spike (MS)	QC392785
XXXX-X Matrix Spike Duplicate (MSD)	QC392786

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Bromofluorobenzene.

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses for the compounds of interest.

Holding Times

All samples were analyzed within the technical holding time.

Surrogate Analysis

The samples met surrogate recovery criteria.

Internal Standards

The samples met internal standard recovery criteria.

Blank Analysis

Acetone and toluene were detected in the blank at levels below the PQL. Thus, any samples performed on this day containing concentrations of the aforementioned compounds will be flagged with a "B".

Spike Analysis

The MS and MSD met quality control criteria for recovery and relative percent difference (RPD). However, the quality control was not performed on a Brown & Root sample since spikes are not required on field or rinse blanks.

Laboratory Control Samples

The LCS and LCSD met quality control criteria for recoveries and RPD.

Dilutions

The samples were analyzed undiluted.

Additional Comments

The samples were analyzed using a capillary column.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392783

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D404B

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	2.5	J
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.38	J
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392783

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D404B

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392786

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D402LCS2

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	21.1	
74-83-9	bromomethane	23.1	
75-01-4	vinyl chloride	22.2	
75-00-3	chloroethane	24.9	
75-09-2	methylene chloride	20.9	
67-64-1	acetone	38.5	B
75-15-0	carbon disulfide	43.4	
75-35-4	1,1-dichloroethene	21.4	
75-34-3	1,1-dichloroethane	21.3	
156-60-5	trans-1,2-dichloroethene	21.3	
67-66-3	chloroform	22.0	
107-06-2	1,2-dichloroethane	20.5	
78-93-3	2-butanone	33.5	
71-55-6	1,1,1-trichloroethane	22.5	
56-23-5	carbon tetrachloride	22.4	
75-27-4	bromodichloromethane	22.0	
78-87-5	1,2-dichloropropane	20.9	
10061-01-5	cis-1,3-dichloropropene	20.0	
79-01-6	trichloroethene	21.9	
124-48-1	dibromochloromethane	20.9	
79-00-5	1,1,2-trichloroethane	19.5	
71-43-2	benzene	21.2	
10061-02-6	trans-1,3-dichloropropene	18.6	
75-25-2	bromoform	21.1	
108-10-1	4-methyl-2-pentanone	33.6	
591-78-6	2-hexanone	16.4	
127-18-4	tetrachloroethene	26.3	
79-34-5	1,1,2,2-tetrachloroethane	20.0	
108-88-3	toluene	19.0	B
108-90-7	chlorobenzene	20.4	
100-41-4	ethylbenzene	20.5	
100-42-5	styrene	22.1	
75-71-8	Dichlorodifluoromethane	21.4	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392786

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D402LCS2

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	36.4	
107-13-1	Acrylonitrile	192	
108-05-4	Vinyl Acetate	31.0	
107-02-8	Acrolein	276	
74-88-4	Iodomethane	43.9	
75-05-8	Acetonitrile	53.9	
107-05-1	Allyl Chloride	79.4	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	43.8	
78-83-1	Isobutyl Alcohol	180	
107-12-0	Propionitrile	89.7	
74-95-3	Dibromomethane	22.2	
80-62-6	Methyl methacrylate	46.7	
106-93-4	1,2-Dibromoethane	20.9	
630-20-6	1,1,1,2-Tetrachloroethane	21.2	
96-18-4	1,2,3-Trichloropropane	23.3	
110-57-6	trans-1,4-Dichloro-2-butene	43.9	
108-60-1	bis(2-Chloro-isopropyl)ether	92.9	
96-12-8	1,2-dibromo-3-chloropropane	18.2	
1330-20-7	xylenes (total)	60.9	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392787

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D410LCSB

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	21.3	
74-83-9	bromomethane	23.5	
75-01-4	vinyl chloride	22.0	
75-00-3	chloroethane	23.5	
75-09-2	methylene chloride	19.2	
67-64-1	acetone	39.7	B
75-15-0	carbon disulfide	42.6	
75-35-4	1,1-dichloroethene	21.1	
75-34-3	1,1-dichloroethane	21.0	
156-60-5	trans-1,2-dichloroethene	21.2	
67-66-3	chloroform	21.1	
107-06-2	1,2-dichloroethane	20.3	
78-93-3	2-butanone	34.6	
71-55-6	1,1,1-trichloroethane	22.2	
56-23-5	carbon tetrachloride	21.8	
75-27-4	bromodichloromethane	21.1	
78-87-5	1,2-dichloropropane	20.4	
10061-01-5	cis-1,3-dichloropropene	20.0	
79-01-6	trichloroethene	21.2	
124-48-1	dibromochloromethane	20.8	
79-00-5	1,1,2-trichloroethane	20.0	
71-43-2	benzene	20.8	
10061-02-6	trans-1,3-dichloropropene	19.8	
75-25-2	bromoform	20.5	
108-10-1	4-methyl-2-pentanone	36.7	
591-78-6	2-hexanone	18.1	
127-18-4	tetrachloroethene	25.5	
79-34-5	1,1,2,2-tetrachloroethane	19.8	
108-88-3	toluene	19.5	B
108-90-7	chlorobenzene	20.9	
100-41-4	ethylbenzene	21.3	
100-42-5	styrene	21.8	
75-71-8	Dichlorodifluoromethane	21.4	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392787

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D410LCSB

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	36.2	
107-13-1	Acrylonitrile	199	
108-05-4	Vinyl Acetate	31.2	
107-02-8	Acrolein	248	
74-88-4	Iodomethane	43.1	
75-05-8	Acetonitrile	55.6	
107-05-1	Allyl Chloride	27.1	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	46.4	
78-83-1	Isobutyl Alcohol	186	
107-12-0	Propionitrile	94.0	
74-95-3	Dibromomethane	21.5	
80-62-6	Methyl methacrylate	48.5	
106-93-4	1,2-Dibromoethane	21.2	
630-20-6	1,1,1,2-Tetrachloroethane	21.8	
96-18-4	1,2,3-Trichloropropane	25.4	
110-57-6	trans-1,4-Dichloro-2-butene	46.2	
108-60-1	bis(2-Chloro-isopropyl)ether	102	
96-12-8	1,2-dibromo-3-chloropropane	18.8	
1330-20-7	xylenes (total)	63.6	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-X

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610014-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D406A

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-X

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610014-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D406A

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-XMS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392784

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D407A

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	19.1	
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	22.1	
75-34-3	1,1-dichloroethane	22.1	
156-60-5	trans-1,2-dichloroethene	22.2	
67-66-3	chloroform	22.1	
107-06-2	1,2-dichloroethane	21.1	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	23.2	
56-23-5	carbon tetrachloride	22.7	
75-27-4	bromodichloromethane	22.2	
78-87-5	1,2-dichloropropane	21.7	
10061-01-5	cis-1,3-dichloropropene	20.8	
79-01-6	trichloroethene	21.4	
124-48-1	dibromochloromethane	21.0	
79-00-5	1,1,2-trichloroethane	20.4	
71-43-2	benzene	21.7	
10061-02-6	trans-1,3-dichloropropene	20.1	
75-25-2	bromoform	20.4	
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	24.8	
79-34-5	1,1,2,2-tetrachloroethane	20.0	
108-88-3	toluene	20.1	B
108-90-7	chlorobenzene	21.3	
100-41-4	ethylbenzene	22.2	
100-42-5	styrene	22.5	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-XMS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392784

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D407A

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	22.3	
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	21.2	
630-20-6	1,1,1,2-Tetrachloroethane	22.1	
96-18-4	1,2,3-Trichloropropane	11.1	
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	18.3	
1330-20-7	xylenes (total)	65.9	

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-XMSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392785

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D408A

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	17.9	
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	20.4	
75-34-3	1,1-dichloroethane	20.5	
156-60-5	trans-1,2-dichloroethene	20.5	
67-66-3	chloroform	20.6	
107-06-2	1,2-dichloroethane	21.0	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	21.4	
56-23-5	carbon tetrachloride	20.9	
75-27-4	bromodichloromethane	21.1	
78-87-5	1,2-dichloropropane	20.5	
10061-01-5	cis-1,3-dichloropropene	19.8	
79-01-6	trichloroethene	19.8	
124-48-1	dibromochloromethane	22.7	
79-00-5	1,1,2-trichloroethane	22.4	
71-43-2	benzene	20.1	
10061-02-6	trans-1,3-dichloropropene	21.4	
75-25-2	bromoform	23.5	
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	24.6	
79-34-5	1,1,2,2-tetrachloroethane	23.9	
108-88-3	toluene	20.2	B
108-90-7	chlorobenzene	21.5	
100-41-4	ethylbenzene	22.3	
100-42-5	styrene	22.7	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-XMSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: QC392785

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D408A

Level: (low/med) LOW Date Received: 09/28/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	23.2	
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	24.1	
630-20-6	1,1,1,2-Tetrachloroethane	22.2	
96-18-4	1,2,3-Trichloropropane	13.9	
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	24.2	
1330-20-7	xylenes (total)	66.6	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB07100196

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D417

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	14.5	B
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB07100196

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D417

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB08100196

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D418

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	8.8	JB
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.25	JB
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB08100196

ㅇ Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D418

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08100396

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-19

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D419

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	14.0	B
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB08100396

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A017W

Matrix: (soil/water) WATER Lab Sample ID: 9610017-19

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D419

Level: (low/med) LOW Date Received: 10/02/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

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METALS DATA

CASE NARRATIVE
SDG 6A017W
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Analysis

Sample Analysis

The following samples were analyzed for TAL Metals by Method ILM03.0 and Cyanide by EPA 335.1:

Sample Description	Laboratory Identification
S5MW-4	9610017-01
S5MW-5	9610017-02
S5MW-3	9610017-03
S5MW-2	9610017-04
S5DPGW	9610017-05
RB07-100196	9610017-06
S7MW-1	9610017-07
S7MW-3	9610017-08
S7MW-2	9610017-09
S7SW-06	9610017-11
S7SW-04	9610017-12
S7SW-07	9610017-13
S7SW-08	9610017-14
S7SW-05	9610017-15
I3MW-3	9610017-16
ABSW-06	9610017-17
ABSW-10	9610017-18
RB08-100396	9610017-19
ABMW-2	9610017-20
Blank	QC391829 - Trace
	QC391985 - Hg
Laboratory Control Sample (LCS)	QC391830 - Trace
	QC391988 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC391831 - Trace
	QC391989 - Hg
ABSW-06 Matrix Spike (MS)	QC391832 - Trace
	QC391986 - Hg
ABSW-06 Duplicate (Dup)	QC391833 - Trace
	QC391987 - Hg

Instrument Calibration

All initial and continuing instrument calibration criteria established in the methodology were met for the analyses.

Holding Times

All samples were analyzed within the technical holding times.

Blank Analysis

Arsenic, barium, calcium, copper, iron, magnesium, and sodium were detected in the method blank at levels greater than the instrument detection limit (IDL), but lower than the contract reporting limit (CRDL). Aluminum and zinc were below the negative IDL and are flagged with a "B".

Spike and Duplicate Analysis

Six "N" flags resulted from the matrix spike analysis of sample ABSW6 for aluminum, antimony, arsenic, selenium, thallium, and cyanide. The post spike for antimony, arsenic, and thallium did not meet the criteria for recovery. All other analytes met the quality criteria for recovery and relative percent difference (RPD).

Laboratory Control Samples

The LCS and LCSD samples analyzed met quality control criteria for recoveries and RPD. The limits are generated by Statistical Proces Control (SPC).

Dilutions

All samples and associated sample quality control were analyzed initially at a two fold dilution due to high concentrations of magnesium and sodium. The method blank and laboratory control sample were analyzed undiluted.

Samples S7MW-1, S7MW-3, S7MW-6, S7SW-4, S7SW-7, S7SW-8, S7SW-5, and I3MW-3 were analyzed at a 100 fold dilution for sodium. Samples ABSW-6, ABSW-10, and ABMW-2 were analyzed at a 500 fold dilution for magnesium and sodium. Sample S5DPGW was over the mercury calibration range and was therefore diluted five fold and reanalyzed.

Additional Comments

Three "E" flags resulted from the serial dilution analysis of barium, calcium, and potassium.

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EPA SAMPLE NO.

S5MW4

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-01

Level (low/med): LOW__ Date Received: 10/01/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	12.6	B	N	P
7440382	Arsenic	6.4	B	N	P
7440393	Barium	8.0	B	E	P
7440417	Beryllium	1.2	B		P
7440439	Cadmium	1.2	B		P
7440702	Calcium	49000		E	P
7440473	Chromium	2.1	B		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	31.1	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	18400			P
7439965	Manganese	2.2	B		P
7439976	Mercury	0.24			AV
7440020	Nickel	4.0	U		P
7440097	Potassium	7090	B	E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	3.3	B		P
7440235	Sodium	117000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	3.9	B		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S5MW5

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-02

Level (low/med): LOW__ Date Received: 10/01/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	27.3		N	P
7440393	Barium	11.2	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.48	B		P
7440702	Calcium	48200		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	20.2	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	30300			P
7439965	Manganese	4.4	B		P
7439976	Mercury	0.19	B		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	5160	B	E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	70300			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S5MW3

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-03

Level (low/med): LOW__ Date Received: 10/01/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	5.9	B	N	P
7440393	Barium	12.2	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.44	B		P
7440702	Calcium	107000		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	27.7	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	7280	B		P
7439965	Manganese	3.0	B		P
7439976	Mercury	0.26			AV
7440020	Nickel	4.0	U		P
7440097	Potassium	5350	B	E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	20700			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.3	B		P
7440666	Zinc	52.4			P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S5MW2

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

atrix (soil/water): WATER Lab Sample ID: 9610017-04

evel (low/med): LOW__ Date Received: 10/01/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	50.4	B	N	P
7440382	Arsenic	15.0	B	N	P
7440393	Barium	5.4	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	41400		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	9.6	B		P
7439896	Iron	98.2	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	34400			P
7439965	Manganese	2.0	U		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	9000	B	E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.7	B		P
7440235	Sodium	66100			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.3	B		P
7440666	Zinc	2.0	U		P
74908	Cyanide	2.2	B	N	AS

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S5DPGW

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-05

Level (low/med): LOW__ Date Received: 10/01/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	5.6	B	N	P
7440393	Barium	12.3	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.63	B		P
7440702	Calcium	112000		E	P
7440473	Chromium	2.3	B		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	76.4	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	7160	B		P
7439965	Manganese	3.5	B		P
7439976	Mercury	9.4			AV
7440020	Nickel	4.0	U		P
7440097	Potassium	5350	B	E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	21500			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.4	B		P
7440666	Zinc	52.0			P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB07100196

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-06

Level (low/med): LOW__ Date Received: 10/02/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	4.0	U	N	P
7440393	Barium	0.50	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	122	B	E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	14.5	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	18.8	B		P
7439965	Manganese	2.0	U		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	40.0	U	E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	87.6	B		P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7MW1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-07

Level (low/med): LOW__ Date Received: 10/02/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	9.4	B	N	P
7440393	Barium	10.0	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	146000		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	23.5	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	68300			P
7439965	Manganese	9.0	B		P
7439976	Mercury	0.24			AV
7440020	Nickel	4.0	U		P
7440097	Potassium	16800		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	486000	B		P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7MW3

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-08

Level (low/med): LOW__ Date Received: 10/02/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	15.7	B	N	P
7440393	Barium	13.0	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	136000		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.5	B		P
7439896	Iron	202			P
7439921	Lead	3.0	U		P
7439954	Magnesium	59700			P
7439965	Manganese	6.2	B		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	23600		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	517000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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EPA SAMPLE NO.

S7MW2

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-09

Level (low/med): LOW__ Date Received: 10/02/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	6.7	B	N	P
7440393	Barium	6.4	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	79000		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	29.8	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	4290	B		P
7439965	Manganese	2.3	B		P
7439976	Mercury	0.23			AV
7440020	Nickel	4.0	U		P
7440097	Potassium	253	B	E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	6830	B		P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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EPA SAMPLE NO.

S7SW06

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-11

Level (low/med): LOW__ Date Received: 10/03/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	6.6	B	N	P
7440393	Barium	9.9	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	73500		E	P
7440473	Chromium	2.3	B		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	168	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	81200			P
7439965	Manganese	13.2	B		P
7439976	Mercury	0.12	B		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	41400		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	715000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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EPA SAMPLE NO.

S7SW04

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-12

Level (low/med): LOW__ Date Received: 10/03/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	6.4	B	N	P
7440393	Barium	9.9	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	76200		E	P
7440473	Chromium	2.7	B		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	222			P
7439921	Lead	3.0	U		P
7439954	Magnesium	79700			P
7439965	Manganese	10.3	B		P
7439976	Mercury	0.34			AV
7440020	Nickel	4.0	U		P
7440097	Potassium	38200		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	674000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	2.6	B	N	AS

Color Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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EPA SAMPLE NO.

S7SW07

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

atrix (soil/water): WATER Lab Sample ID: 9610017-13

evel (low/med): LOW__ Date Received: 10/03/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	6.5	B	N	P
7440393	Barium	8.8	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	77500		E	P
7440473	Chromium	2.6	B		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	202			P
7439921	Lead	3.0	U		P
7439954	Magnesium	78900			P
7439965	Manganese	8.7	B		P
7439976	Mercury	0.13	B		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	34900		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	64500.00			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLOUDY Texture: _____

olor After: YELLOW___ Clarity After: _____ Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7SW08

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-14

Level (low/med): LOW__ Date Received: 10/03/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	5.4	B	N	P
7440393	Barium	8.0	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	65000		E	P
7440473	Chromium	2.5	B		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	157	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	65800			P
7439965	Manganese	9.1	B		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	28700		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	529000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: YELLOW___ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7SW05

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-15

Level (low/med): LOW__ Date Received: 10/03/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	4.5	B	N	P
7440393	Barium	8.1	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	82700		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	81.2	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	89000			P
7439965	Manganese	8.8	B		P
7439976	Mercury	0.17	B		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	32500		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	706000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

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EPA SAMPLE NO.

I3MW3

ıa. ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

latrix (soil/water): WATER Lab Sample ID: 9610017-16

ıevel (low/med): LOW__ Date Received: 10/03/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	6.2	B	N	P
7440393	Barium	21.8	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	173000		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	5.7	B		P
7439896	Iron	4.0	U		P
7439921	Lead	3.0	U		P
7439954	Magnesium	207000			P
7439965	Manganese	2.0	U		P
7439976	Mercury	0.12	B		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	72300		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	1830000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	4.8	B		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

ʿolor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

ʿolor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

ʿomments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW06

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-17

Level (low/med): LOW__ Date Received: 10/04/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	8.6	B	N	P
7440393	Barium	10.9	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	295000		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	4.0	U		P
7439921	Lead	3.0	U		P
7439954	Magnesium	1160000	B		P
7439965	Manganese	2.0	U		P
7439976	Mercury	0.21			AV
7440020	Nickel	4.0	U		P
7440097	Potassium	260000		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	9920000			P
7440280	Thallium	4.1	B	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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EPA SAMPLE NO.

ABSW10

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-18

Level (low/med): LOW__ Date Received: 10/04/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	6.3	B	N	P
7440382	Arsenic	4.0	U	N	P
7440393	Barium	11.7	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	300000		E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	9.0	B		P
7439896	Iron	4.0	U		P
7439921	Lead	4.3	B		P
7439954	Magnesium	1130000	B		P
7439965	Manganese	2.0	U		P
7439976	Mercury	0.26			AV
7440020	Nickel	4.0	U		P
7440097	Potassium	264000		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	9760000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB08100396

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

Matrix (soil/water): WATER Lab Sample ID: 9610017-19

Level (low/med): LOW__ Date Received: 10/07/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	4.0	U	N	P
7440393	Barium	0.47	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	160	B	E	P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	5.1	B		P
7439896	Iron	28.1	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	15.1	B		P
7439965	Manganese	2.0	U		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	40.0	U	E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	65.8	B		P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABMW2

ab . .me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A017W

atrix (soil/water): WATER Lab Sample ID: 9610017-20

evel (low/med): LOW__ Date Received: 10/07/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U	N	P
7440360	Antimony	4.4	B	N	P
7440382	Arsenic	4.0	U	N	P
7440393	Barium	18.8	B	E	P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	448000		E	P
7440473	Chromium	2.2	B		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.1	B		P
7439896	Iron	144	B		P
7439921	Lead	4.8	B		P
7439954	Magnesium	1430000	B		P
7439965	Manganese	2.0	U		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	311000		E	P
7782492	Selenium	4.0	U	N	P
7440224	Silver	2.0	U		P
7440235	Sodium	12500000			P
7440280	Thallium	4.0	U	N	P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

GENERAL CASE NARRATIVE

CASE NARRATIVE
for
Brown & Root Environmental
Aiken, SC 29803
SOUTHDIV CLEAN Contract N62467-94-D-0888

November 21, 1996

Laboratory Identification:

General Engineering Laboratories, Inc.

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29414

Telephone Number:

(803) 769-7391

Summary:

Sample receipt

The soil samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina between October 2, 1996 and October 7, 1996, for Environmental Analyses. All sample containers arrived without any visible signs of tampering or breakage. The shipping container temperatures for coolers (#63, #128, #57) received on October 2, 1996, were not within specifications. A nonconformance report was generated with the disposition to analyze as is, per the client. The samples were delivered with chain of custody documentation and signatures.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
I7SS-04	9610055-01
I7DPSS	9610055-02
I7SS-01	9610055-03
S7SS-04	9610055-04
S7SS-06	9610055-05
S7SS-07	9610055-06
S7SS-08	9610055-07
S7SS-05	9610055-08
S7DPSS	9610055-09
ABSS-06	9610055-10
ABSS-10	9610055-11

I3SB-1	9610055-12
I3SB-2	9610055-13
S5SB-1	9610055-14
S4SB-1	9610055-15

Case Narrative

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed in the analytical case narratives. GEL references twenty-five compound names on the raw data and forms that are synonyms of the Brown & Root compound names, which are referenced on the electronic data deliverable (EDD). A cross-reference synonym table of the Brown & Root compound names and the corresponding GEL compound names is included in the package. Note, we have provided organic test codes which lists RDLs, PQLs and MDLs. The PQL and MDL values are uncorrected, because prep and moisture factors do not apply. The MDL and PQL values on the EDD are corrected for prep and moisture.

Data Package:

The enclosed data package contains the following sections: General Narrative, MDLs, Volatiles, Semivolatiles, Pesticides/PCB, Herbicides, Metals, Cyanide, Chain of Custody. The analytical sections contain the following information: case narrative, forms, raw sample data, raw initial calibration data, LCS control charts, hardcopy electronic data deliverable, and Nonconformance Reports (if applicable).

The following are definitions of qualifiers used by Organics:

U - The analytical result is a non-detect

J - The associated numerical value is below the Detection Limit (DL).

E - The concentration of the analyte exceeds the calibrated range of the instrument.

JN - Presumptiveevidence of presence of material at an estimated concentration (usually applied to TICs only).

P - This flag is used by the lab for pesticide/Aroclor PCB target analytes when there is greater than 25% analyte concentration difference between the two GC columns.

The following are definitions of reporting limits used at General Engineering Laboratories:

DL — Detection Limit: The minimum level of an analyte that can be determined (identified not quantified) with 99% confidence. The values are normally achieved by preparing and analyzing seven aliquots of laboratory water spiked 1 to 5 times the estimated MDL, taking the standard deviation and multiplying it against the one-tailed t-statistic at 99%. This computed value is then verified for reasonableness by repeating the study using the concentration found in the initial study, calculating an F-ratio, and computing the final limit. Sample specific preparation and dilution factors are applied to these limits when they are reported.

The detection limit is the minimum concentration of a substance that can be identified, measured, and reported with 99% confidence that the analyte concentration is above zero. It answers the question "Is It Present".

QL — Quantitation Limit: The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The QL is generally 5 to 10 times the MDL. However, it may be nominally chosen within these guidelines to simplify data reporting. For many analytes the QL analyte concentration is selected as the lowest non-zero standard in the calibration curve.

Sample QL's are highly matrix-dependent. Sample specific preparation and dilution factors are applied to these limits when they are reported

The QL is always ≥ DL

RL — Reporting Limit: Same as the QL except where driven by contract or client specifications. If the sample specific preparation and dilution factors cause the QL to be elevated above the RL, then the QL is used as the RL.

This data package, to the best of my knowledge, is in compliance with technical and administrative requirements.

Valerie S. Davis

Valerie S. Davis
Project Manager

fc:hali00396.112196

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407
(803) 556-8171 • Fax (803) 766-1178

Printed on recycled paper.

Cross-Reference Synonym Table

B&R Parmname	GEL Parmname
1,1-DICHLOROETHENE	1,1-DICHLOROETHYLENE
1,3-DINITROBENZENE	m-DINITROBENZENE
2,4,5-TP (SILVEX)	SILVEX
2-CHLORO-1,3-BUTADIENE	CHOROPRENE
2-METHYL-4,6-DINITROPHENOL	4,6-DINITRO-2-METHYLPHENOL
BIS(2-CHLOROISOPROPYL)ETHER	BIS(2-CHLOROMETHYLETHYL)ETHER
BROMODICHLOROMETHANE	DICHLOROBROMOMETHANE
BROMOMETHANE	METHYL BROMIDE
CHLOROMETHANE	METHYL CHLORIDE
CIS-1,2-DICHLOROETHENE	1,2-CIS-DICHLOROTHYLENE
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROYLENE
CORROSIVITY (pH)	CORROSIVITY
ENDOSULFAN-1	ENDOSULFAN 1
ETHYL CYANIDE	PROPIONITRILE
IODOMETHANE	METHYL IODIDE
M&P-CRESOL	3-METHYLPHENOL,4-METHYLPHENOL
N-NITROSODIMETHYLAMINE	N-METHYL-N-NITROSOMETHYLAMINE
O,O,O-TRIETHLYPHOSPHOROTHIOATE	TRIETHYLPHOSPHOROTHIOATE
P-DIMETHYLAMINOAZOBENZENE	P-(DIMETHYLAMINO)AZOBENZE
SULFOTEP	SULFOTEPP
TETRACHLOROETHENE	TETRACHLOROETHYLENE
THIONAZIN	THIONAZINE
TRANS-1,2-DICHLOROETHENE	1-2,TRANS-DICHLOROETHYLENE
TRANS-1,3-DICHLOROPROPENE	TRANS-1,3-DICHLOROPROPYLENE
TRICHLOROETHENE	TRICHLOROETHYLENE

HERBICIDE/PESTICIDES/PCB DATA

CASE NARRATIVE
SDG 6A055S
Herbicide Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Herbicides by SW-846 Method 8150:

Sample Description	Laboratory Identification
I7SS-04	9610055-01
I7DPSS	9610055-02
I7SS-01	9610055-03
S7SS-04	9610055-04
S7SS-06	9610055-05
S7SS-07	9610055-06
S7SS-08	9610055-07
S7SS-05	9610055-08
S7DPSS	9610055-09
ABSS-06	9610055-10
ABSS-10	9610055-11
I3SB-1	9610055-12
I3SB-2	9610055-13
S4SB-1	9610055-15
Blank	QC393093/QC395358
Laboratory Control Sample (LCS)	QC393094/QC395359
Laboratory Control Sample Duplicate (LCSD)	QC393095/QC395360
S7DPSS Matrix Spike (MS)	QC395361
S7DPSS Matrix Spike Duplicate (MSD)	QC395362
S7SS-05, MS	QC393764
S7SS-05 MSD	QC393765

Instrument Calibration

Initial and continuing calibration criteria established in the methodology were met for all analyses for the compounds of interest.

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

The surrogates met quality control acceptance criteria.

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

The MS and MSD did not meet recovery or relative percent difference (RPD) criteria for 2,4,5-T.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 019F0201

% Moisture: 33 decanted: (Y/N) N Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	123	U

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Laboratory Control Samples

The LCS and LCSD analyzed met quality control criteria for recoveries and RPD. The limits are generated by statistical proces control (SPC).

Dilutions

The samples were analyzed at the standard 10x dilution.

Additional Comments

Due to variations in the automatic baseline integrations between the two columns DB-608 served as primary column under which all quantitative values were reported. DB-5 was used only for qualitative secondary column purposes.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC393764

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 062R0101

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.2	U
95-76-5	2,4,5-T	22.4	
93-72-1	2,4,5-TP	31.6	

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 064R0101

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.2	U
95-76-5	2,4,5-T	6.2	U
93-72-1	2,4,5-TP	6.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC393765

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 063R0101

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.2	U
95-76-5	2,4,5-T	27.2	
93-72-1	2,4,5-TP	38.8	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-06

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-10

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 067R0101

% Moisture: 62 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	52.5	U
95-76-5	2,4,5-T	52.5	U
93-72-1	2,4,5-TP	52.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSS

ab Name: GENERAL ENGINEERING LABS Contract:

Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 065R0101

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.8	U
95-76-5	2,4,5-T	6.8	U
93-72-1	2,4,5-TP	6.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3SB-1

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-12

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 069R0101

% Moisture: 21 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	25.1	U
95-76-5	2,4,5-T	25.1	U
93-72-1	2,4,5-TP	25.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-10

ab Name: GENERAL ENGINEERING LABS Contract:

. . Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-11

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 068R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	4.0	U
95-76-5	2,4,5-T	4.0	U
93-72-1	2,4,5-TP	5.2	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 50.9 (g/mL) g Lab File ID: 071R0101

% Moisture: 33 decanted: (Y/N) N Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.9	U
95-76-5	2,4,5-T	2.9	U
93-72-1	2,4,5-TP	2.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3SB-2

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-13

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 070R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.6	U
95-76-5	2,4,5-T	2.6	U
93-72-1	2,4,5-TP	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC393094

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 028R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	17.0	
95-76-5	2,4,5-T	17.5	
93-72-1	2,4,5-TP	19.3	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC393093

Sample wt/vol: 50.8 (g/mL) g Lab File ID: 027R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/23/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.0	U
95-76-5	2,4,5-T	2.0	U
93-72-1	2,4,5-TP	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SS-01MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC393096

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 030R0101

% Moisture: 56 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	36.8	P
95-76-5	2,4,5-T	24.3	P
93-72-1	2,4,5-TP	24.2	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC393095

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 029R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	15.9	
95-76-5	2,4,5-T	16.7	
93-72-1	2,4,5-TP	18.0	

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SS-01MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC393097

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 031R0101

% Moisture: 56 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	38.2	P
95-76-5	2,4,5-T	25.3	P
93-72-1	2,4,5-TP	29.4	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7DPSS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-02

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 044R0101

% Moisture: 42 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	3.4	U
95-76-5	2,4,5-T	3.4	U
93-72-1	2,4,5-TP	3.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7SS-04

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-01

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 043R0101

% Moisture: 46 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	3.7	U
95-76-5	2,4,5-T	3.7	U
93-72-1	2,4,5-TP	6.5	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 046R0101

% Moisture: 88 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	16.6	U
95-76-5	2,4,5-T	16.6	U
93-72-1	2,4,5-TP	26.3	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7SS-01

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-03

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 045R0101

% Moisture: 44 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	3.6	U
95-76-5	2,4,5-T	3.6	U
93-72-1	2,4,5-TP	3.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 049R0101

% Moisture: 87 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	15.3	U
95-76-5	2,4,5-T	15.3	U
93-72-1	2,4,5-TP	15.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 047R0101

% Moisture: 81 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	10.4	U
95-76-5	2,4,5-T	10.4	U
93-72-1	2,4,5-TP	10.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK03

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC395358

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 063R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/22/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.0	U
95-76-5	2,4,5-T	2.0	U
93-72-1	2,4,5-TP	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 050R0101

% Moisture: 88 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/11/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	16.6	U
95-76-5	2,4,5-T	16.6	U
93-72-1	2,4,5-TP	16.6	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK03MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC395360

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 066R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/22/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	19.7	
95-76-5	2,4,5-T	17.5	
93-72-1	2,4,5-TP	19.3	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK03MS

b Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC395359

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 064R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/22/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	15.4	P
95-76-5	2,4,5-T	16.3	
93-72-1	2,4,5-TP	17.7	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S7DPSSRRMSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC395362

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 068R0101

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	60.7	
95-76-5	2,4,5-T	42.9	P
93-72-1	2,4,5-TP	61.6	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S7DPSSRRMS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC395361

Sample wt/vol: 50.0 (g/mL) g Lab File ID: 067R0101

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	59.3	
95-76-5	2,4,5-T	41.9	P
93-72-1	2,4,5-TP	60.4	P

FORM 1 Brown & Root Environ03-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

S7DPSSRR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 070R0101

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.8	U
95-76-5	2,4,5-T	6.8	U
93-72-1	2,4,5-TP	6.8	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

S7SS-05RR

b Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 069R0101

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.2	U
95-76-5	2,4,5-T	6.2	U
93-72-1	2,4,5-TP	6.2	U

PESTICIDE ORGANICS ANALYSIS DATA SHEET

ABSS-10RR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-11

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 072R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	4.1	U
95-76-5	2,4,5-T	4.1	U
93-72-1	2,4,5-TP	4.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ABSS-06RR

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-10

Sample wt/vol: 50.8 (g/mL) g Lab File ID: 071R0101

% Moisture: 62 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	5.2	U
95-76-5	2,4,5-T	5.2	U
93-72-1	2,4,5-TP	5.2	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

I3SB-2RR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-13

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 074R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.6	U
95-76-5	2,4,5-T	2.6	U
93-72-1	2,4,5-TP	2.6	U

FORM 1 Brown & Root Environ04-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

I3SB-1RR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-12

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 073R0101

% Moisture: 21 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.5	U
95-76-5	2,4,5-T	2.5	U
93-72-1	2,4,5-TP	2.5	U

CASE NARRATIVE
SDG 6A055S
Pesticide/PCB Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Pesticides/PCB by SW-846 Method 8080:

Sample Description	Laboratory Identification
I7SS-04	9610055-01
I7DPSS	9610055-02
I7SS-01	9610055-03
S7SS-04	9610055-04
S7SS-06	9610055-05
S7SS-07	9610055-06
S7SS-08	9610055-07
S7SS-05	9610055-08
S7DPSS	9610055-09
ABSS-06	9610055-10
ABSS-10	9610055-11
I3SB-1	9610055-12
I3SB-2	9610055-13
S4SB-1	9610055-15
Blank	QC392684/QC397330
Laboratory Control Sample (LCS)	QC392685/QC397331
Laboratory Control Sample Duplicate (LCSD)	QC392686/QC397332
ABSS-06 Matrix Spike (MS)	QC397333
ABSS-06 Matrix Spike Duplicate (MSD)	QC397334
Aroclor-1260 LCS	QC392689
Aroclor-1260 LCSD	QC392690

Instrument Calibration

Methyl Parathion, delta-BHC, Chlordane, and Phorate failed low on one column.

Holding Times

The samples were analyzed within the technical holding times.

Surrogate Analysis

The surrogates were diluted below quantitation level for samples S7SS-06, I3SB-1, I3SB-2, I7SS-01, and S4SB-1.

Blank Analysis

No target analytes were detected in the method blank above the PQL.

Spike Analysis

The MS met the quality control criteria for recoveries. However, the MSD did not meet relative percent difference (RPD) criteria for beta-BHC.

FORM 1 Brown & Root Environ07-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

S4SB-1RR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 075R0101

% Moisture: 33 decanted: (Y/N) N Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	3.0	U
95-76-5	2,4,5-T	3.0	U
93-72-1	2,4,5-TP	3.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC392684

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 027F0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/10/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1.0(mL) Date Analyzed: 10/29/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.67	U
319-85-7	beta-BHC	0.67	U
319-86-8	delta-BHC	0.67	U
58-89-9	gamma-BHC	0.67	U
76-44-8	Heptachlor	0.67	U
309-00-2	Aldrin	0.67	U
1024-57-3	Heptachlor epoxide	0.67	U
959-98-8	Endosulfan I	0.67	U
60-57-1	Dieldrin	1.3	U
72-55-9	4,4'-DDE	1.3	U
72-20-8	Endrin	1.3	U
33213-65-9	Endosulfan II	1.3	U
72-54-8	4,4'-DDD	1.3	U
1031-07-8	Endosulfan sulfate	1.3	U
50-29-3	4,4'-DDT	1.3	U
72-43-5	Methoxychlor	6.7	U
7421-93-4	Endrin aldehyde	1.3	U
8001-35-2	Toxaphene	33.3	U
12674-11-2	Aroclor-1016	4.2	U
11104-28-2	Aroclor-1221	4.2	U
1114-16-5	Aroclor-1232	4.2	U
53469-21-9	Aroclor-1242	4.2	U
12672-29-6	Aroclor-1248	4.2	U
11097-69-1	Aroclor-1254	4.2	U
11096-82-5	Aroclor-1260	4.2	U
57-74-9	Chlordane	8.3	U
298-02-2	Phorate	1.7	U
298-00-0	Parathion, methyl	1.7	U

Laboratory Control Samples

PBLK01MS (QC392685) did not meet recovery criteria for heptachlor and PBLK01MSD (QC392686) did not meet the RPD criteria for endrin aldehyde. PBLK02MS (QC397331) did not meet recovery criteria for heptachlor or gamma-BHC, and the RPD criteria for heptachlor was not met for PBLK02MSD (QC397332).

Dilutions

Samples S7SS-06 was diluted 1:20 and sample S4SB-1 was diluted 1:20 and 1:50 due to matrix interference. In order to quantitate target analytes within the calibration range of the analytical equipment, samples I7SS-01 and I3SB-2 were diluted 1:20, and sample I3SB-1 was diluted 1:5.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC392685

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG20017

% Moisture: 0 decanted: (Y/N) N Date Received: 10/10/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	4.2	
319-85-7	beta-BHC	3.6	
319-86-8	delta-BHC	3.3	
58-89-9	gamma-BHC	4.0	P
76-44-8	Heptachlor	4.2	
309-00-2	Aldrin	3.9	
1024-57-3	Heptachlor epoxide	3.4	
959-98-8	Endosulfan I	3.5	
60-57-1	Dieldrin	3.7	
72-55-9	4,4'-DDE	3.3	
72-20-8	Endrin	4.6	
33213-65-9	Endosulfan II	3.6	
72-54-8	4,4'-DDD	4.3	
1031-07-8	Endosulfan sulfate	3.2	
50-29-3	4,4'-DDT	4.2	
72-43-5	Methoxychlor	19.4	
7421-93-4	Endrin aldehyde	5.0	
8001-35-2	Toxaphene	32.9	U
12674-11-2	Aroclor-1016	4.1	U
11104-28-2	Aroclor-1221	4.1	U
1114-16-5	Aroclor-1232	4.1	U
53469-21-9	Aroclor-1242	4.1	U
12672-29-6	Aroclor-1248	4.1	U
11097-69-1	Aroclor-1254	4.1	U
11096-82-5	Aroclor-1260	4.1	U
57-74-9	Chlordane (tech.)	8.2	U
298-02-2	Phorate	1.6	U
298-00-0	parathion,methyl	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC392684

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 027F0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/10/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1.0 (mL) Date Analyzed: 10/29/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.7	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC392686

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG20018

% Moisture: 0 decanted: (Y/N) N Date Received: 10/10/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.9	
319-85-7	beta-BHC	4.2	
319-86-8	delta-BHC	3.8	
58-89-9	gamma-BHC	3.9	P
76-44-8	Heptachlor	4.1	
309-00-2	Aldrin	3.7	
1024-57-3	Heptachlor epoxide	3.6	
959-98-8	Endosulfan I	3.7	
60-57-1	Dieldrin	3.9	
72-55-9	4,4'-DDE	3.5	
72-20-8	Endrin	4.6	
33213-65-9	Endosulfan II	3.8	
72-54-8	4,4'-DDD	4.5	
1031-07-8	Endosulfan sulfate	3.4	P
50-29-3	4,4'-DDT	4.1	
72-43-5	Methoxychlor	19.0	
7421-93-4	Endrin aldehyde	5.3	
8001-35-2	Toxaphene	32.9	U
12674-11-2	Aroclor-1016	4.1	U
11104-28-2	Aroclor-1221	4.1	U
1114-16-5	Aroclor-1232	4.1	U
53469-21-9	Aroclor-1242	4.1	U
12672-29-6	Aroclor-1248	4.1	U
11097-69-1	Aroclor-1254	4.1	U
11096-82-5	Aroclor-1260	4.1	U
57-74-9	Chlordane (tech.)	8.2	U
298-02-2	Phorate	1.6	U
298-00-0	parathion,methyl	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC392685

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG20017

% Moisture: 0 decanted: (Y/N) N Date Received: 10/10/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.6	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC392689

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG20021

% Moisture: 0 decanted: (Y/N) N Date Received: 10/10/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
11096-82-5	Aroclor-1260	163	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC392686

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG20018

% Moisture: 0 decanted: (Y/N) N Date Received: 10/10/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.6	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397330

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 041F0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/31/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.66	U
319-85-7	beta-BHC	0.66	U
319-86-8	delta-BHC	0.66	U
58-89-9	gamma-BHC	0.66	U
76-44-8	Heptachlor	0.66	U
309-00-2	Aldrin	0.66	U
1024-57-3	Heptachlor epoxide	0.66	U
959-98-8	Endosulfan I	0.66	U
60-57-1	Dieldrin	1.3	U
72-55-9	4,4'-DDE	1.3	U
72-20-8	Endrin	1.3	U
33213-65-9	Endosulfan II	1.3	U
72-54-8	4,4'-DDD	1.3	U
1031-07-8	Endosulfan sulfate	1.3	U
50-29-3	4,4'-DDT	1.3	U
72-43-5	Methoxychlor	6.6	U
7421-93-4	Endrin aldehyde	1.3	U
8001-35-2	Toxaphene	32.9	U
12674-11-2	Aroclor-1016	4.1	U
11104-28-2	Aroclor-1221	4.1	U
1114-16-5	Aroclor-1232	4.1	U
53469-21-9	Aroclor-1242	4.1	U
12672-29-6	Aroclor-1248	4.1	U
11097-69-1	Aroclor-1254	4.1	U
11096-82-5	Aroclor-1260	4.1	U
57-74-9	Chlordane	8.2	U
298-02-2	Phorate	1.6	U
298-00-0	Parathion, methyl	1.6	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC392690

Sample wt/vol: 30.7 (g/mL) g Lab File ID: SIG20022

% Moisture: 0 decanted: (Y/N) N Date Received: 10/10/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
11096-82-5	Aroclor-1260	152	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397331

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 014F0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/31/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	4.4	
319-85-7	beta-BHC	4.8	
319-86-8	delta-BHC	3.6	
58-89-9	gamma-BHC	4.3	
76-44-8	Heptachlor	4.1	
309-00-2	Aldrin	3.3	
1024-57-3	Heptachlor epoxide	2.9	P
959-98-8	Endosulfan I	3.0	
60-57-1	Dieldrin	3.3	P
72-55-9	4,4'-DDE	2.8	P
72-20-8	Endrin	3.6	
33213-65-9	Endosulfan II	2.7	P
72-54-8	4,4'-DDD	3.4	
1031-07-8	Endosulfan sulfate	2.6	
50-29-3	4,4'-DDT	3.2	P
72-43-5	Methoxychlor	13.5	P
7421-93-4	Endrin aldehyde	3.8	P
8001-35-2	Toxaphene	32.5	U
12674-11-2	Aroclor-1016	4.1	U
11104-28-2	Aroclor-1221	4.1	U
1114-16-5	Aroclor-1232	4.1	U
53469-21-9	Aroclor-1242	4.1	U
12672-29-6	Aroclor-1248	4.1	U
11097-69-1	Aroclor-1254	4.1	U
11096-82-5	Aroclor-1260	14.5	
57-74-9	Chlordane	8.1	U
298-02-2	Phorate	1.6	U
298-00-0	Parathion, methyl	1.6	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397330

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 041F0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MSD

ab Name: Contract:

1 Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397332

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 015F0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/31/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.9	
319-85-7	beta-BHC	3.8	
319-86-8	delta-BHC	3.6	
58-89-9	gamma-BHC	3.8	
76-44-8	Heptachlor	4.0	
309-00-2	Aldrin	3.1	
1024-57-3	Heptachlor epoxide	2.8	P
959-98-8	Endosulfan I	3.1	P
60-57-1	Dieldrin	3.3	P
72-55-9	4,4'-DDE	2.9	P
72-20-8	Endrin	3.7	
33213-65-9	Endosulfan II	2.8	P
72-54-8	4,4'-DDD	3.5	
1031-07-8	Endosulfan sulfate	2.7	
50-29-3	4,4'-DDT	3.4	P
72-43-5	Methoxychlor	14.1	P
7421-93-4	Endrin aldehyde	3.9	P
8001-35-2	Toxaphene	33.0	U
12674-11-2	Aroclor-1016	4.1	U
11104-28-2	Aroclor-1221	4.1	U
1114-16-5	Aroclor-1232	4.1	U
53469-21-9	Aroclor-1242	4.1	U
12672-29-6	Aroclor-1248	4.1	U
11097-69-1	Aroclor-1254	4.1	U
11096-82-5	Aroclor-1260	15.2	
57-74-9	Chlordane	8.3	U
298-02-2	Phorate	1.6	U
298-00-0	Parathion, methyl	1.6	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MS

ıb Name: Contract:

L. . Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397331

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 014F0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-06MS

Lab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397333

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 016F0201

% Moisture: 62 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	7.7	
319-85-7	beta-BHC	7.3	P
319-86-8	delta-BHC	8.1	
58-89-9	gamma-BHC	8.2	
76-44-8	Heptachlor	7.2	
309-00-2	Aldrin	5.2	P
1024-57-3	Heptachlor epoxide	5.3	P
959-98-8	Endosulfan I	6.4	P
60-57-1	Dieldrin	6.4	P
72-55-9	4,4'-DDE	5.6	P
72-20-8	Endrin	7.3	
33213-65-9	Endosulfan II	5.9	P
72-54-8	4,4'-DDD	6.4	P
1031-07-8	Endosulfan sulfate	5.5	
50-29-3	4,4'-DDT	8.3	P
72-43-5	Methoxychlor	27.8	P
7421-93-4	Endrin aldehyde	8.7	P
8001-35-2	Toxaphene	86.2	U
12674-11-2	Aroclor-1016	10.8	U
11104-28-2	Aroclor-1221	10.8	U
1114-16-5	Aroclor-1232	10.8	U
53469-21-9	Aroclor-1242	10.8	U
12672-29-6	Aroclor-1248	10.8	U
11097-69-1	Aroclor-1254	10.8	U
11096-82-5	Aroclor-1260	31.1	P
57-74-9	Chlordane	21.5	U
298-02-2	Phorate	4.3	U
298-00-0	Parathion, methyl	4.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MSD

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397332

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 015F0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-06MSD

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397334

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 017F0201

% Moisture: 62 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	9.4	
319-85-7	beta-BHC	13.4	
319-86-8	delta-BHC	8.5	
58-89-9	gamma-BHC	10.0	
76-44-8	Heptachlor	7.3	
309-00-2	Aldrin	6.3	P
1024-57-3	Heptachlor epoxide	6.8	
959-98-8	Endosulfan I	7.6	P
60-57-1	Dieldrin	7.5	P
72-55-9	4,4'-DDE	6.6	P
72-20-8	Endrin	7.9	
33213-65-9	Endosulfan II	7.6	
72-54-8	4,4'-DDD	8.7	
1031-07-8	Endosulfan sulfate	5.9	P
50-29-3	4,4'-DDT	9.2	P
72-43-5	Methoxychlor	27.1	P
7421-93-4	Endrin aldehyde	11.9	P
8001-35-2	Toxaphene	86.8	U
12674-11-2	Aroclor-1016	10.8	U
11104-28-2	Aroclor-1221	10.8	U
1114-16-5	Aroclor-1232	10.8	U
53469-21-9	Aroclor-1242	10.8	U
12672-29-6	Aroclor-1248	10.8	U
11097-69-1	Aroclor-1254	10.8	U
11096-82-5	Aroclor-1260	26.4	P
57-74-9	Chlordane	21.7	U
298-02-2	Phorate	4.3	U
298-00-0	Parathion, methyl	4.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-06MS

ab Name: Contract:

1 Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397333

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 016F0201

% Moisture: 62 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	4.3	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7SS-04

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-01

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 024F0201

% Moisture: 46 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/27/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.2	U
319-85-7	beta-BHC	1.2	U
319-86-8	delta-BHC	1.2	U
58-89-9	gamma-BHC	1.2	J
76-44-8	Heptachlor	1.2	U
309-00-2	Aldrin	1.2	U
1024-57-3	Heptachlor epoxide	1.2	U
959-98-8	Endosulfan I	1.2	U
60-57-1	Dieldrin	2.4	U
72-55-9	4,4'-DDE	2.4	U
72-20-8	Endrin	2.4	U
33213-65-9	Endosulfan II	2.4	U
72-54-8	4,4'-DDD	2.4	U
1031-07-8	Endosulfan sulfate	2.4	U
50-29-3	4,4'-DDT	2.4	U
72-43-5	Methoxychlor	12.1	U
7421-93-4	Endrin aldehyde	2.4	U
8001-35-2	Toxaphene	60.4	U
12674-11-2	Aroclor-1016	7.5	U
11104-28-2	Aroclor-1221	7.5	U
1114-16-5	Aroclor-1232	7.5	U
53469-21-9	Aroclor-1242	7.5	U
12672-29-6	Aroclor-1248	7.5	U
11097-69-1	Aroclor-1254	7.5	U
11096-82-5	Aroclor-1260	7.5	U
57-74-9	Chlordane	15.1	U
298-02-2	Phorate	3.0	U
298-00-0	Parathion, methyl	3.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-6MSD

ab Name: Contract:

i Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397334

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 017F0201

% Moisture: 62 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	4.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7DPSS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-02

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 025F0201

% Moisture: 42 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/27/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.1	U
319-85-7	beta-BHC	1.1	U
319-86-8	delta-BHC	2.3	P
58-89-9	gamma-BHC	1.2	P
76-44-8	Heptachlor	1.1	U
309-00-2	Aldrin	1.1	U
1024-57-3	Heptachlor epoxide	1.1	U
959-98-8	Endosulfan I	1.1	U
60-57-1	Dieldrin	2.2	U
72-55-9	4,4'-DDE	2.0	JP
72-20-8	Endrin	2.2	U
33213-65-9	Endosulfan II	2.2	U
72-54-8	4,4'-DDD	2.0	J
1031-07-8	Endosulfan sulfate	2.2	U
50-29-3	4,4'-DDT	14.5	
72-43-5	Methoxychlor	11.2	U
7421-93-4	Endrin aldehyde	2.2	U
8001-35-2	Toxaphene	56.1	U
12674-11-2	Aroclor-1016	7.0	U
11104-28-2	Aroclor-1221	7.0	U
1114-16-5	Aroclor-1232	7.0	U
53469-21-9	Aroclor-1242	7.0	U
12672-29-6	Aroclor-1248	7.0	U
11097-69-1	Aroclor-1254	7.0	U
11096-82-5	Aroclor-1260	7.0	U
57-74-9	Chlordane	14.0	U
298-02-2	Phorate	2.8	U
298-00-0	Parathion, methyl	2.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7SS-04

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-01

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 024F0201

% Moisture: 46 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/27/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	3.0	U

FORM I PEST

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7SS-01

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-03

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 026F0201

% Moisture: 44 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/27/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2.2	P
319-85-7	beta-BHC	1.2	U
319-86-8	delta-BHC	1.2	U
58-89-9	gamma-BHC	1.5	
76-44-8	Heptachlor	11.0	P
309-00-2	Aldrin	1.2	U
1024-57-3	Heptachlor epoxide	1.5	P
959-98-8	Endosulfan I	10.7	P
60-57-1	Dieldrin	28.6	EP
72-55-9	4,4'-DDE	13.3	P
72-20-8	Endrin	2.3	U
33213-65-9	Endosulfan II	2.3	U
72-54-8	4,4'-DDD	2.4	P
1031-07-8	Endosulfan sulfate	10.6	P
50-29-3	4,4'-DDT	26.8	E
72-43-5	Methoxychlor	11.6	U
7421-93-4	Endrin aldehyde	0.64	JP
8001-35-2	Toxaphene	57.8	U
12674-11-2	Aroclor-1016	7.2	U
11104-28-2	Aroclor-1221	7.2	U
1114-16-5	Aroclor-1232	7.2	U
53469-21-9	Aroclor-1242	7.2	U
12672-29-6	Aroclor-1248	7.2	U
11097-69-1	Aroclor-1254	7.2	U
11096-82-5	Aroclor-1260	7.2	U
57-74-9	Chlordane	14.4	U
298-02-2	Phorate	2.9	U
298-00-0	Parathion, methyl	2.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7DPSS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-02

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 025F0201

% Moisture: 42 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/27/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	2.8	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7SS-01

Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-03

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 026F0201

% Moisture: 44 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/27/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	2.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7SS-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-03

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 028F0101

% Moisture: 44 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/29/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.8	U
319-85-7	beta-BHC	5.8	U
319-86-8	delta-BHC	5.8	U
58-89-9	gamma-BHC	5.8	U
76-44-8	Heptachlor	8.1	
309-00-2	Aldrin	5.8	U
1024-57-3	Heptachlor epoxide	3.1	JP
959-98-8	Endosulfan I	4.7	JP
60-57-1	Dieldrin	20.8	P
72-55-9	4,4'-DDE	10.3	JP
72-20-8	Endrin	11.6	U
33213-65-9	Endosulfan II	11.6	U
72-54-8	4,4'-DDD	11.6	U
1031-07-8	Endosulfan sulfate	7.6	J
50-29-3	4,4'-DDT	18.2	P
72-43-5	Methoxychlor	57.8	U
7421-93-4	Endrin aldehyde	11.6	U
8001-35-2	Toxaphene	289	U
12674-11-2	Aroclor-1016	36.1	U
11104-28-2	Aroclor-1221	36.1	U
1114-16-5	Aroclor-1232	36.1	U
53469-21-9	Aroclor-1242	36.1	U
12672-29-6	Aroclor-1248	36.1	U
11097-69-1	Aroclor-1254	36.1	U
11096-82-5	Aroclor-1260	36.1	U
57-74-9	Chlordane	72.3	U
298-02-2	Phorate	14.4	U
298-00-0	Parathion, methyl	14.4	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04

Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 027F0201

% Moisture: 88 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/27/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.6	
319-85-7	beta-BHC	5.4	U
319-86-8	delta-BHC	11.5	
58-89-9	gamma-BHC	5.4	U
76-44-8	Heptachlor	5.4	U
309-00-2	Aldrin	5.4	U
1024-57-3	Heptachlor epoxide	5.4	U
959-98-8	Endosulfan I	5.4	U
60-57-1	Dieldrin	10.9	U
72-55-9	4,4'-DDE	10.9	U
72-20-8	Endrin	10.9	U
33213-65-9	Endosulfan II	10.9	U
72-54-8	4,4'-DDD	10.9	U
1031-07-8	Endosulfan sulfate	10.9	U
50-29-3	4,4'-DDT	10.9	U
72-43-5	Methoxychlor	54.3	U
7421-93-4	Endrin aldehyde	10.9	U
8001-35-2	Toxaphene	272	U
12674-11-2	Aroclor-1016	34.0	U
11104-28-2	Aroclor-1221	34.0	U
1114-16-5	Aroclor-1232	34.0	U
53469-21-9	Aroclor-1242	34.0	U
12672-29-6	Aroclor-1248	34.0	U
11097-69-1	Aroclor-1254	34.0	U
11096-82-5	Aroclor-1260	34.0	U
57-74-9	Chlordane	67.9	U
298-02-2	Phorate	13.6	U
298-00-0	Parathion, methyl	13.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7SS-01DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-03

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 028F0101

% Moisture: 44 decanted: (Y/N) N Date Received: 10/02/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/29/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	14.4	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 31.0 (g/mL) g Lab File ID: 026F0201

% Moisture: 81 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	68.0	U
319-85-7	beta-BHC	68.0	U
319-86-8	delta-BHC	68.0	U
58-89-9	gamma-BHC	68.0	U
76-44-8	Heptachlor	68.0	U
309-00-2	Aldrin	68.0	U
1024-57-3	Heptachlor epoxide	68.0	U
959-98-8	Endosulfan I	68.0	U
60-57-1	Dieldrin	136	U
72-55-9	4,4'-DDE	142	P
72-20-8	Endrin	136	U
33213-65-9	Endosulfan II	136	U
72-54-8	4,4'-DDD	35.1	JP
1031-07-8	Endosulfan sulfate	136	U
50-29-3	4,4'-DDT	674	P
72-43-5	Methoxychlor	680	U
7421-93-4	Endrin aldehyde	136	U
8001-35-2	Toxaphene	3400	U
12674-11-2	Aroclor-1016	425	U
11104-28-2	Aroclor-1221	425	U
1114-16-5	Aroclor-1232	425	U
53469-21-9	Aroclor-1242	425	U
12672-29-6	Aroclor-1248	425	U
11097-69-1	Aroclor-1254	425	U
11096-82-5	Aroclor-1260	425	U
57-74-9	Chlordane	849	U
298-02-2	Phorate	170	U
298-00-0	Parathion, methyl	170	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04

Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 027F0201

% Moisture: 88 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/10/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/27/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	13.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07

Name: Contract:

L Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 027F0201

% Moisture: 87 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.1	U
319-85-7	beta-BHC	5.1	U
319-86-8	delta-BHC	5.1	U
58-89-9	gamma-BHC	5.1	U
76-44-8	Heptachlor	5.1	U
309-00-2	Aldrin	5.1	U
1024-57-3	Heptachlor epoxide	5.1	U
959-98-8	Endosulfan I	5.1	U
60-57-1	Dieldrin	10.1	U
72-55-9	4,4'-DDE	14.8	P
72-20-8	Endrin	6.6	JP
33213-65-9	Endosulfan II	10.1	U
72-54-8	4,4'-DDD	10.1	U
1031-07-8	Endosulfan sulfate	10.1	U
50-29-3	4,4'-DDT	10.1	U
72-43-5	Methoxychlor	50.6	U
7421-93-4	Endrin aldehyde	10.1	U
8001-35-2	Toxaphene	253	U
12674-11-2	Aroclor-1016	31.6	U
11104-28-2	Aroclor-1221	31.6	U
1114-16-5	Aroclor-1232	31.6	U
53469-21-9	Aroclor-1242	31.6	U
12672-29-6	Aroclor-1248	31.6	U
11097-69-1	Aroclor-1254	31.6	U
11096-82-5	Aroclor-1260	31.6	U
57-74-9	Chlordane	63.2	U
298-02-2	Phorate	12.6	U
298-00-0	Parathion, methyl	12.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 31.0 (g/mL) g Lab File ID: 026F0201

% Moisture: 81 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	170	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 028F0201

% Moisture: 88 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.5	U
319-85-7	beta-BHC	5.5	U
319-86-8	delta-BHC	13.0	
58-89-9	gamma-BHC	11.6	P
76-44-8	Heptachlor	5.5	U
309-00-2	Aldrin	5.5	U
1024-57-3	Heptachlor epoxide	5.5	U
959-98-8	Endosulfan I	5.5	U
60-57-1	Dieldrin	11.0	U
72-55-9	4,4'-DDE	26.9	
72-20-8	Endrin	8.1	JP
33213-65-9	Endosulfan II	11.0	U
72-54-8	4,4'-DDD	11.0	U
1031-07-8	Endosulfan sulfate	11.0	U
50-29-3	4,4'-DDT	11.0	U
72-43-5	Methoxychlor	55.0	U
7421-93-4	Endrin aldehyde	11.0	U
8001-35-2	Toxaphene	275	U
12674-11-2	Aroclor-1016	34.4	U
11104-28-2	Aroclor-1221	34.4	U
1114-16-5	Aroclor-1232	34.4	U
53469-21-9	Aroclor-1242	34.4	U
12672-29-6	Aroclor-1248	34.4	U
11097-69-1	Aroclor-1254	34.4	U
11096-82-5	Aroclor-1260	34.4	U
57-74-9	Chlordane	68.7	U
298-02-2	Phorate	13.7	U
298-00-0	Parathion, methyl	13.7	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07

ab Name: Contract:

L Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 027F0201

% Moisture: 87 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	12.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 029F0201

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2.5	
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	5.5	P
58-89-9	gamma-BHC	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	6.0	P
72-55-9	4,4'-DDE	21.4	
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	12.6	
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	6.6	P
72-43-5	Methoxychlor	20.4	U
7421-93-4	Endrin aldehyde	4.1	U
8001-35-2	Toxaphene	102	U
12674-11-2	Aroclor-1016	12.8	U
11104-28-2	Aroclor-1221	12.8	U
1114-16-5	Aroclor-1232	12.8	U
53469-21-9	Aroclor-1242	12.8	U
12672-29-6	Aroclor-1248	12.8	U
11097-69-1	Aroclor-1254	12.8	U
11096-82-5	Aroclor-1260	56.4	
57-74-9	Chlordane	25.6	U
298-02-2	Phorate	5.1	U
298-00-0	Parathion, methyl	5.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 028F0201

% Moisture: 88 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	13.7	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 030F0201

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U
319-86-8	delta-BHC	4.5	P
58-89-9	gamma-BHC	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.3	JP
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	7.5	P
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.8	
72-43-5	Methoxychlor	22.9	U
7421-93-4	Endrin aldehyde	4.6	U
8001-35-2	Toxaphene	114	U
12674-11-2	Aroclor-1016	14.3	U
11104-28-2	Aroclor-1221	14.3	U
1114-16-5	Aroclor-1232	14.3	U
53469-21-9	Aroclor-1242	14.3	U
12672-29-6	Aroclor-1248	14.3	U
11097-69-1	Aroclor-1254	14.3	U
11096-82-5	Aroclor-1260	14.3	U
57-74-9	Chlordane	28.6	U
298-02-2	Phorate	5.7	U
298-00-0	Parathion, methyl	5.7	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05

ab Name: Contract:

L Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 029F0201

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	5.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 030F0201

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	5.7	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-06

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-10

Sample wt/vol: 30.8 (g/mL) g Lab File ID: 035F0201

% Moisture: 62 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	2.2	JP
72-55-9	4,4'-DDE	1.7	JP
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17.1	U
7421-93-4	Endrin aldehyde	3.4	U
8001-35-2	Toxaphene	85.5	U
12674-11-2	Aroclor-1016	10.7	U
11104-28-2	Aroclor-1221	10.7	U
1114-16-5	Aroclor-1232	10.7	U
53469-21-9	Aroclor-1242	10.7	U
12672-29-6	Aroclor-1248	10.7	U
11097-69-1	Aroclor-1254	10.7	U
11096-82-5	Aroclor-1260	10.7	U
57-74-9	Chlordane	21.4	U
298-02-2	Phorate	4.3	U
298-00-0	Parathion, methyl	4.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-06

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-10

Sample wt/vol: 30.8 (g/mL) g Lab File ID: 035F0201

% Moisture: 62 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	4.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-10

Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-11

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 036F0201

% Moisture: 51 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.4	U
319-85-7	beta-BHC	1.4	U
319-86-8	delta-BHC	1.4	U
58-89-9	gamma-BHC	1.6	
76-44-8	Heptachlor	1.4	U
309-00-2	Aldrin	1.4	U
1024-57-3	Heptachlor epoxide	1.4	U
959-98-8	Endosulfan I	1.4	U
60-57-1	Dieldrin	2.7	U
72-55-9	4,4'-DDE	2.4	JP
72-20-8	Endrin	2.7	U
33213-65-9	Endosulfan II	2.7	U
72-54-8	4,4'-DDD	2.7	U
1031-07-8	Endosulfan sulfate	2.7	U
50-29-3	4,4'-DDT	3.2	
72-43-5	Methoxychlor	13.6	U
7421-93-4	Endrin aldehyde	2.7	U
8001-35-2	Toxaphene	68.0	U
12674-11-2	Aroclor-1016	8.5	U
11104-28-2	Aroclor-1221	8.5	U
1114-16-5	Aroclor-1232	8.5	U
53469-21-9	Aroclor-1242	8.5	U
12672-29-6	Aroclor-1248	8.5	U
11097-69-1	Aroclor-1254	8.5	U
11096-82-5	Aroclor-1260	8.5	U
57-74-9	Chlordane	17.0	U
298-02-2	Phorate	3.4	U
298-00-0	Parathion, methyl	3.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-10

·b Name: Contract:

L. Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-11

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 036F0201

% Moisture: 51 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	3.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3SB-1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-12

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 037F0201

% Moisture: 21 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	4.2	U
319-85-7	beta-BHC	4.2	U
319-86-8	delta-BHC	4.2	U
58-89-9	gamma-BHC	4.2	U
76-44-8	Heptachlor	4.2	U
309-00-2	Aldrin	4.2	U
1024-57-3	Heptachlor epoxide	4.2	U
959-98-8	Endosulfan I	4.2	U
60-57-1	Dieldrin	8.3	U
72-55-9	4,4'-DDE	20.3	
72-20-8	Endrin	8.3	U
33213-65-9	Endosulfan II	8.3	U
72-54-8	4,4'-DDD	8.3	U
1031-07-8	Endosulfan sulfate	8.3	U
50-29-3	4,4'-DDT	12.8	
72-43-5	Methoxychlor	41.6	U
7421-93-4	Endrin aldehyde	8.3	U
8001-35-2	Toxaphene	208	U
12674-11-2	Aroclor-1016	26.0	U
11104-28-2	Aroclor-1221	26.0	U
1114-16-5	Aroclor-1232	26.0	U
53469-21-9	Aroclor-1242	26.0	U
12672-29-6	Aroclor-1248	26.0	U
11097-69-1	Aroclor-1254	26.0	U
11096-82-5	Aroclor-1260	26.0	U
57-74-9	Chlordane	52.0	U
298-02-2	Phorate	10.4	U
298-00-0	Parathion, methyl	10.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3SB-1

ıb Name: Contract:

L Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-12

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 037F0201

% Moisture: 21 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	10.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3SB-2

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-13

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 038F0201

% Moisture: 25 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	17.4	U
319-85-7	beta-BHC	17.4	U
319-86-8	delta-BHC	17.4	U
58-89-9	gamma-BHC	17.4	U
76-44-8	Heptachlor	17.4	U
309-00-2	Aldrin	17.4	U
1024-57-3	Heptachlor epoxide	17.4	U
959-98-8	Endosulfan I	17.4	U
60-57-1	Dieldrin	34.9	U
72-55-9	4,4'-DDE	83.0	
72-20-8	Endrin	34.9	U
33213-65-9	Endosulfan II	34.9	U
72-54-8	4,4'-DDD	34.9	U
1031-07-8	Endosulfan sulfate	34.9	U
50-29-3	4,4'-DDT	52.1	
72-43-5	Methoxychlor	174	U
7421-93-4	Endrin aldehyde	34.9	U
8001-35-2	Toxaphene	872	U
12674-11-2	Aroclor-1016	109	U
11104-28-2	Aroclor-1221	109	U
1114-16-5	Aroclor-1232	109	U
53469-21-9	Aroclor-1242	109	U
12672-29-6	Aroclor-1248	109	U
11097-69-1	Aroclor-1254	109	U
11096-82-5	Aroclor-1260	109	U
57-74-9	Chlordane	218	U
298-02-2	Phorate	43.6	U
298-00-0	Parathion, methyl	43.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I3SB-2

ıb Name: Contract:

L Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-13

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 038F0201

% Moisture: 25 decanted: (Y/N) N Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	43.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 039F0201

% Moisture: 33 decanted: (Y/N) N Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/06/96

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	19.7	U
319-85-7	beta-BHC	19.7	U
319-86-8	delta-BHC	19.7	U
58-89-9	gamma-BHC	19.7	U
76-44-8	Heptachlor	19.7	U
309-00-2	Aldrin	19.7	U
1024-57-3	Heptachlor epoxide	19.7	U
959-98-8	Endosulfan I	19.7	U
60-57-1	Dieldrin	39.4	U
72-55-9	4,4'-DDE	29.5	JP
72-20-8	Endrin	39.4	U
33213-65-9	Endosulfan II	39.4	U
72-54-8	4,4'-DDD	39.4	U
1031-07-8	Endosulfan sulfate	39.4	U
50-29-3	4,4'-DDT	36.4	J
72-43-5	Methoxychlor	197	U
7421-93-4	Endrin aldehyde	39.4	U
8001-35-2	Toxaphene	986	U
12674-11-2	Aroclor-1016	123	U
11104-28-2	Aroclor-1221	123	U
1114-16-5	Aroclor-1232	123	U
53469-21-9	Aroclor-1242	123	U
12672-29-6	Aroclor-1248	123	U
11097-69-1	Aroclor-1254	123	U
11096-82-5	Aroclor-1260	123	U
57-74-9	Chlordane	246	U
298-02-2	Phorate	49.3	U
298-00-0	Parathion, methyl	49.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 039F0201

% Moisture: 33 decanted: (Y/N) N Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/06/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	49.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 019F0201

% Moisture: 33 decanted: (Y/N) N Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	41.8	J
319-85-7	beta-BHC	122	P
319-86-8	delta-BHC	49.2	J
58-89-9	gamma-BHC	49.3	U
76-44-8	Heptachlor	49.3	U
309-00-2	Aldrin	33.6	JP
1024-57-3	Heptachlor epoxide	49.3	U
959-98-8	Endosulfan I	56.4	P
60-57-1	Dieldrin	98.6	U
72-55-9	4,4'-DDE	86.1	JP
72-20-8	Endrin	98.6	U
33213-65-9	Endosulfan II	98.6	U
72-54-8	4,4'-DDD	98.6	U
1031-07-8	Endosulfan sulfate	98.6	U
50-29-3	4,4'-DDT	98.6	U
72-43-5	Methoxychlor	493	U
7421-93-4	Endrin aldehyde	98.6	U
8001-35-2	Toxaphene	2460	U
12674-11-2	Aroclor-1016	308	U
11104-28-2	Aroclor-1221	308	U
1114-16-5	Aroclor-1232	308	U
53469-21-9	Aroclor-1242	308	U
12672-29-6	Aroclor-1248	308	U
11097-69-1	Aroclor-1254	308	U
11096-82-5	Aroclor-1260	308	U
57-74-9	Chlordane	616	U
298-02-2	Phorate	100	J
298-00-0	Parathion, methyl	123	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 019F0201

% Moisture: 33 decanted: (Y/N) N Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/07/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	123	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 6A055S
Semivolatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Semivolatile Compounds and Polynuclear Aromatic Hydrocarbons (PAH-M610) by SW-846 Method 8270:

Sample Description	Laboratory Identification
S7SS-04	9610055-04
S7SS-06	9610055-05
S7SS-07	9610055-06
S7SS-08	9610055-07
S7SS-05	9610055-08
S7DPSS	9610055-09
S4SB-1	9610055-15
Blank	QC394723/QC396151/QC397322
Laboratory Control Sample (LCS)	QC394724/QC396152/QC397323
Laboratory Control Sample Duplicate (LCSD)	QC394725/QC396153/QC397324
S7SS-05 Matrix Spike (MS)	QC394726
S7SS-05 Matrix Spike Duplicate (MSD)	QC394727

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses.

Holding Times

All samples were originally analyzed within the technical holding times, However, due to quality control not meeting specifications, the samples were re-extracted out of holding

Surrogate Analysis

Sample S7SS-05 did not meet surrogate recovery for terphenyl-d14. The surrogates were diluted below the quantitation limits for samples S7SS-08RE0, S7SS-04RA0, S7SS-06RA0, S7SS-07RA0, S7DPSSRA0, and S4SB-1RA0.

Internal Standards

Samples S7SS-04RE0, S7SS-06RE0, S7SS-07RE0, S7DPSSRE0, and S4SB-1RE0 did not meet internal standard criteria for perylene-d12.

Blank Analysis

No target analytes were detected in the method blank above the PQL.

Spike Analysis

The MS (QC394726) did not meet recovery criteria for pyrene. The MSD (QC394727) did not meet recovery criteria for hexachlorethane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 4-chloroanaline, or benzo(k)fluoranthene. The relative percent difference (RPD) criteria was not met for pryene.

Laboratory Control Samples

The SBLK02MSD (QC396153) did not meet recovery criteria for 2-chlorophenol, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, 4-chloro-3-methylphenol, or acenaphthene. The RPD criteria was not met for phenol, 2-chloropheno, n-nitroso-di-n-propylamine, 1,2,4-trichlorobenzene, or 4-chloro-3-methylphenol. The SBLK03MSD (QC397324) did not meet recovery criteria for pyrene.

Dilutions

Samples S7SS-04, S7SS-06, S7SS-07, S7DPSS, and S4SB-1 were analyzed at dilutions of 1:4 in order to meet internal standard acceptance criteria.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1S108

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	10900	U
95-48-7	2-methylphenol	10900	U
106-44-5	4-methylphenol	10900	U
67-72-1	hexachloroethane	10900	U
98-95-3	nitrobenzene	10900	U
87-68-3	hexachlorobutadiene	10900	U
88-06-2	2,4,6-trichlorophenol	10900	U
95-95-4	2,4,5-trichlorophenol	10900	U
121-14-2	2,4-dinitrotoluene	10900	U
118-74-1	hexachlorobenzene	10900	U
87-86-5	pentachlorophenol	10900	U
62-53-3	aniline	10900	U
108-95-2	phenol	10900	U
111-44-4	bis(2-chloroethyl)ether	10900	U
95-57-8	2-chlorophenol	10900	U
541-73-1	1,3-dichlorobenzene	10900	U
106-46-7	1,4-dichlorobenzene	10900	U
100-51-6	benzyl alcohol	10900	U
95-50-1	1,2-dichlorobenzene	10900	U
98-86-2	acetophenone	10900	U
621-64-7	N-nitroso-di-n-propylamine	10900	U
78-59-1	isophorone	10900	U
88-75-5	2-nitrophenol	10900	U
105-67-9	2,4-dimethylphenol	10900	U
111-91-1	bis(2-chloroethoxy)methane	10900	U
120-83-2	2,4-dichlorophenol	10900	U
120-82-1	1,2,4-trichlorobenzene	10900	U
91-20-3	naphthalene	10900	U
106-47-8	4-chloroaniline	10900	U
59-50-7	4-chloro-3-methylphenol	10900	U
91-57-6	2-methylnaphthalene	10900	U
77-47-4	hexachlorocyclopentadiene	10900	U
91-58-7	2-chloronaphthalene	10900	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1S108

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	10900	U
131-11-3	dimethylphthalate	10900	U
209-96-8	acenaphthylene	10900	U
606-20-2	2,6-dinitrotoluene	10900	U
99-09-2	3-nitroaniline	10900	U
83-32-9	acenaphthene	10900	U
51-28-5	2,4-dinitrophenol	21800	U
132-64-9	dibenzofuran	10900	U
100-02-7	4-nitrophenol	21800	U
84-66-2	diethylphthalate	10900	U
7005-72-3	4-chlorophenylphenylether	10900	U
86-73-7	fluorene	10900	U
100-01-6	4-nitroaniline	10900	U
534-52-1	4,6-dinitro-2-methylphenol	10900	U
86-30-6	N-nitroso-diphenylamine	10900	U
101-55-3	4-bromophenylphenylether	10900	U
85-01-8	phenanthrene	10900	U
120-12-7	anthracene	10900	U
84-74-2	di-n-butylphthalate	10900	U
206-44-0	fluoranthene	10900	U
129-00-0	pyrene	10900	U
85-68-7	butylbenzylphthalate	10900	U
91-94-1	3,3'-dichlorobenzidine	54400	U
56-55-3	benzo(a)anthracene	10900	U
218-01-9	chrysene	10900	U
117-81-7	bis(2-ethylhexyl)phthalate	10900	U
117-84-0	di-n-octylphthalate	10900	U
205-99-2	benzo(b)fluoranthene	10900	U
207-08-9	benzo(k)fluoranthene	10900	U
50-32-8	benzo(a)pyrene	10900	U
193-39-5	indeno(1,2,3-cd)pyrene	10900	U
53-70-3	dibenz(a,h)anthracene	10900	U
191-24-2	benzo(g,h,i)perylene	10900	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1S108

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	10900	U
123-91-1	1,4-dioxane	10900	U
80-62-6	methyl methacrylate	10900	U
97-63-2	ethyl methacrylate	10900	U
109-06-8	2-picoline	10900	U
10595-95-6	n-nitrosomethylethylamine	10900	U
66-27-3	methyl methanesulfonate	10900	U
55-18-5	n-nitrosodiethylamine	10900	U
62-50-0	ethyl methanesulfonate	10900	U
76-01-7	pentachloroethane	10900	U
930-55-2	n-nitrosopyrrolidine	10900	U
59-89-2	n-nitrosomorpholine	10900	U
95-53-4	o-toluidine	10900	U
100-75-4	n-nitrosopiperdine	10900	U
122-09-8	a,a-dimethylphenethylamine	10900	U
126-68-1	triethylphosphorothioate	10900	U
87-65-0	2,6-dichlorophenol	10900	U
1888-71-7	hexachloropropene	10900	U
106-50-3	p-phenylenediamine	21800	U
924-16-3	n-nitroso-di-n-butylamine	10900	U
94-59-7	safrole	10900	U
634-90-2	1,2,4,5-tetrachlorobenzene	10900	U
120-58-1	isosafrole	10900	U
130-15-4	1,4-naphthoquinone	10900	U
99-65-0	m-dinitrobenzene	10900	U
608-93-5	pentachlorobenzene	10900	U
134-32-7	1-naphthylamine	10900	U
91-59-8	2-naphthylamine	10900	U
58-90-2	2,3,4,6-tetrachlorophenol	10900	U
99-55-8	5-nitro-o-toluidine	10900	U
297-97-2	thionazine	10900	U
122-39-4	diphenylamine	10900	U
3689-24-5	sulfotepp	10900	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1S108

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	54400	U
62-44-2	phenacetin	10900	U
2303-16-4	diallate	10900	U
60-51-5	dimethoate	54400	U
92-67-1	4-aminobiphenyl	10900	U
82-68-8	pentachloronitrobenzene	10900	U
23950-58-5	pronamide	10900	U
88-85-7	dinoseb	10900	U
298-04-4	disulfoton	10900	U
56-57-5	4-nitroquinoline-1-oxide	10900	U
135-23-9	methapyrilene	54400	U
465-73-6	isodrin	10900	U
140-57-8	aramite	10900	U
143-50-0	kepone	10900	U
60-11-7	p-(dimethylamino)azobenzene	10900	U
510-15-6	chlorobenzilate	54400	U
119-93-7	3,3'-dimethylbenzidine	54400	U
52-85-7	famphur	10900	U
53-96-3	2-acetylaminofluorene	10900	U
57-97-6	7,12-dimethylbenz(a)anthrace	10900	U
59-49-5	3-methylcholanthrene	10900	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1S109

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	6910	U
95-48-7	2-methylphenol	6910	U
106-44-5	4-methylphenol	6910	U
67-72-1	hexachloroethane	6910	U
98-95-3	nitrobenzene	6910	U
87-68-3	hexachlorobutadiene	6910	U
88-06-2	2,4,6-trichlorophenol	6910	U
95-95-4	2,4,5-trichlorophenol	6910	U
121-14-2	2,4-dinitrotoluene	6910	U
118-74-1	hexachlorobenzene	6910	U
87-86-5	pentachlorophenol	6910	U
62-53-3	aniline	6910	U
108-95-2	phenol	6910	U
111-44-4	bis(2-chloroethyl)ether	6910	U
95-57-8	2-chlorophenol	6910	U
541-73-1	1,3-dichlorobenzene	6910	U
106-46-7	1,4-dichlorobenzene	6910	U
100-51-6	benzyl alcohol	6910	U
95-50-1	1,2-dichlorobenzene	6910	U
98-86-2	acetophenone	6910	U
621-64-7	N-nitroso-di-n-propylamine	6910	U
78-59-1	isophorone	6910	U
88-75-5	2-nitrophenol	6910	U
105-67-9	2,4-dimethylphenol	6910	U
111-91-1	bis(2-chloroethoxy)methane	6910	U
120-83-2	2,4-dichlorophenol	6910	U
120-82-1	1,2,4-trichlorobenzene	6910	U
91-20-3	naphthalene	6910	U
106-47-8	4-chloroaniline	6910	U
59-50-7	4-chloro-3-methylphenol	6910	U
91-57-6	2-methylnaphthalene	6910	U
77-47-4	hexachlorocyclopentadiene	6910	U
91-58-7	2-chloronaphthalene	6910	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1S109

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	6910	U
131-11-3	dimethylphthalate	6910	U
209-96-8	acenaphthylene	6910	U
606-20-2	2,6-dinitrotoluene	6910	U
99-09-2	3-nitroaniline	6910	U
83-32-9	acenaphthene	6910	U
51-28-5	2,4-dinitrophenol	13800	U
132-64-9	dibenzofuran	6910	U
100-02-7	4-nitrophenol	13800	U
84-66-2	diethylphthalate	6910	U
7005-72-3	4-chlorophenylphenylether	6910	U
86-73-7	fluorene	6910	U
100-01-6	4-nitroaniline	6910	U
534-52-1	4,6-dinitro-2-methylphenol	6910	U
86-30-6	N-nitroso-diphenylamine	6910	U
101-55-3	4-bromophenylphenylether	6910	U
85-01-8	phenanthrene	6910	U
120-12-7	anthracene	6910	U
84-74-2	di-n-butylphthalate	6910	U
206-44-0	fluoranthene	6870	J
129-00-0	pyrene	4200	J
85-68-7	butylbenzylphthalate	6910	U
91-94-1	3,3'-dichlorobenzidine	34600	U
56-55-3	benzo(a)anthracene	6910	U
218-01-9	chrysene	2900	J
117-81-7	bis(2-ethylhexyl)phthalate	2070	J
117-84-0	di-n-octylphthalate	6910	U
205-99-2	benzo(b)fluoranthene	6910	U
207-08-9	benzo(k)fluoranthene	6910	U
50-32-8	benzo(a)pyrene	6910	U
193-39-5	indeno(1,2,3-cd)pyrene	6910	U
53-70-3	dibenz(a,h)anthracene	6910	U
191-24-2	benzo(g,h,i)perylene	1450	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1S109

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	6910	U
123-91-1	1,4-dioxane	6910	U
80-62-6	methyl methacrylate	6910	U
97-63-2	ethyl methacrylate	6910	U
109-06-8	2-picoline	6910	U
10595-95-6	n-nitrosomethylethylamine	6910	U
66-27-3	methyl methanesulfonate	6910	U
55-18-5	n-nitrosodiethylamine	6910	U
62-50-0	ethyl methanesulfonate	6910	U
76-01-7	pentachloroethane	6910	U
930-55-2	n-nitrosopyrrolidine	6910	U
59-89-2	n-nitrosomorpholine	6910	U
95-53-4	o-toluidine	6910	U
100-75-4	n-nitrosopiperdine	6910	U
122-09-8	a,a-dimethylphenethylamine	6910	U
126-68-1	triethylphosphorothioate	6910	U
87-65-0	2,6-dichlorophenol	6910	U
1888-71-7	hexachloropropene	6910	U
106-50-3	p-phenylenediamine	13800	U
924-16-3	n-nitroso-di-n-butylamine	6910	U
94-59-7	safrole	6910	U
634-90-2	1,2,4,5-tetrachlorobenzene	6910	U
120-58-1	isosafrole	6910	U
130-15-4	1,4-naphthoquinone	6910	U
99-65-0	m-dinitrobenzene	6910	U
608-93-5	pentachlorobenzene	6910	U
134-32-7	1-naphthylamine	6910	U
91-59-8	2-naphthylamine	6910	U
58-90-2	2,3,4,6-tetrachlorophenol	6910	U
99-55-8	5-nitro-o-toluidine	6910	U
297-97-2	thionazine	6910	U
122-39-4	diphenylamine	6910	U
3689-24-5	sulfotepp	6910	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1S109

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	34600	U
62-44-2	phenacetin	6910	U
2303-16-4	diallate	6910	U
60-51-5	dimethoate	34600	U
92-67-1	4-aminobiphenyl	6910	U
82-68-8	pentachloronitrobenzene	6910	U
23950-58-5	pronamide	6910	U
88-85-7	dinoseb	6910	U
298-04-4	disulfoton	6910	U
56-57-5	4-nitroquinoline-1-oxide	6910	U
135-23-9	methapyrilene	34600	U
465-73-6	isodrin	6910	U
140-57-8	aramite	6910	U
143-50-0	kepone	6910	U
60-11-7	p-(dimethylamino)azobenzene	6910	U
510-15-6	chlorobenzilate	34600	U
119-93-7	3,3'-dimethylbenzidine	34600	U
52-85-7	famphur	6910	U
53-96-3	2-acetylaminofluorene	6910	U
57-97-6	7,12-dimethylbenz(a)anthrace	6910	U
59-49-5	3-methylcholanthrene	6910	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07RA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1S110

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	10200	U
95-48-7	2-methylphenol	10200	U
106-44-5	4-methylphenol	10200	U
67-72-1	hexachloroethane	10200	U
98-95-3	nitrobenzene	10200	U
87-68-3	hexachlorobutadiene	10200	U
88-06-2	2,4,6-trichlorophenol	10200	U
95-95-4	2,4,5-trichlorophenol	10200	U
121-14-2	2,4-dinitrotoluene	10200	U
118-74-1	hexachlorobenzene	10200	U
87-86-5	pentachlorophenol	10200	U
62-53-3	aniline	10200	U
108-95-2	phenol	10200	U
111-44-4	bis(2-chloroethyl)ether	10200	U
95-57-8	2-chlorophenol	10200	U
541-73-1	1,3-dichlorobenzene	10200	U
106-46-7	1,4-dichlorobenzene	10200	U
100-51-6	benzyl alcohol	10200	U
95-50-1	1,2-dichlorobenzene	10200	U
98-86-2	acetophenone	10200	U
621-64-7	N-nitroso-di-n-propylamine	10200	U
78-59-1	isophorone	10200	U
88-75-5	2-nitrophenol	10200	U
105-67-9	2,4-dimethylphenol	10200	U
111-91-1	bis(2-chloroethoxy)methane	10200	U
120-83-2	2,4-dichlorophenol	10200	U
120-82-1	1,2,4-trichlorobenzene	10200	U
91-20-3	naphthalene	10200	U
106-47-8	4-chloroaniline	10200	U
59-50-7	4-chloro-3-methylphenol	10200	U
91-57-6	2-methylnaphthalene	10200	U
77-47-4	hexachlorocyclopentadiene	10200	U
91-58-7	2-chloronaphthalene	10200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1S110

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	10200	U
131-11-3	dimethylphthalate	10200	U
209-96-8	acenaphthylene	10200	U
606-20-2	2,6-dinitrotoluene	10200	U
99-09-2	3-nitroaniline	10200	U
83-32-9	acenaphthene	10200	U
51-28-5	2,4-dinitrophenol	20500	U
132-64-9	dibenzofuran	10200	U
100-02-7	4-nitrophenol	20500	U
84-66-2	diethylphthalate	10200	U
7005-72-3	4-chlorophenylphenylether	10200	U
86-73-7	fluorene	10200	U
100-01-6	4-nitroaniline	10200	U
534-52-1	4,6-dinitro-2-methylphenol	10200	U
86-30-6	N-nitroso-diphenylamine	10200	U
101-55-3	4-bromophenylphenylether	10200	U
85-01-8	phenanthrene	10200	U
120-12-7	anthracene	10200	U
84-74-2	di-n-butylphthalate	10200	U
206-44-0	fluoranthene	10200	U
129-00-0	pyrene	10200	U
85-68-7	butylbenzylphthalate	10200	U
91-94-1	3,3'-dichlorobenzidine	51200	U
56-55-3	benzo(a)anthracene	10200	U
218-01-9	chrysene	10200	U
117-81-7	bis(2-ethylhexyl)phthalate	10200	U
117-84-0	di-n-octylphthalate	10200	U
205-99-2	benzo(b)fluoranthene	10200	U
207-08-9	benzo(k)fluoranthene	10200	U
50-32-8	benzo(a)pyrene	10200	U
193-39-5	indeno(1,2,3-cd)pyrene	10200	U
53-70-3	dibenz(a,h)anthracene	10200	U
191-24-2	benzo(g,h,i)perylene	10200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07RA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1S110

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	10200	U
123-91-1	1,4-dioxane	10200	U
80-62-6	methyl methacrylate	10200	U
97-63-2	ethyl methacrylate	10200	U
109-06-8	2-picoline	10200	U
10595-95-6	n-nitrosomethylethylamine	10200	U
66-27-3	methyl methanesulfonate	10200	U
55-18-5	n-nitrosodiethylamine	10200	U
62-50-0	ethyl methanesulfonate	10200	U
76-01-7	pentachloroethane	10200	U
930-55-2	n-nitrosopyrrolidine	10200	U
59-89-2	n-nitrosomorpholine	10200	U
95-53-4	o-toluidine	10200	U
100-75-4	n-nitrosopiperdine	10200	U
122-09-8	a,a-dimethylphenethylamine	10200	U
126-68-1	triethylphosphorothioate	10200	U
87-65-0	2,6-dichlorophenol	10200	U
1888-71-7	hexachloropropene	10200	U
106-50-3	p-phenylenediamine	20500	U
924-16-3	n-nitroso-di-n-butylamine	10200	U
94-59-7	safrole	10200	U
634-90-2	1,2,4,5-tetrachlorobenzene	10200	U
120-58-1	isosafrole	10200	U
130-15-4	1,4-naphthoquinone	10200	U
99-65-0	m-dinitrobenzene	10200	U
608-93-5	pentachlorobenzene	10200	U
134-32-7	1-naphthylamine	10200	U
91-59-8	2-naphthylamine	10200	U
58-90-2	2,3,4,6-tetrachlorophenol	10200	U
99-55-8	5-nitro-o-toluidine	10200	U
297-97-2	thionazine	10200	U
122-39-4	diphenylamine	10200	U
3689-24-5	sulfotepp	10200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07RA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 1S110

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	51200	U
62-44-2	phenacetin	10200	U
2303-16-4	diallate	10200	U
60-51-5	dimethoate	51200	U
92-67-1	4-aminobiphenyl	10200	U
82-68-8	pentachloronitrobenzene	10200	U
23950-58-5	pronamide	10200	U
88-85-7	dinoseb	10200	U
298-04-4	disulfoton	10200	U
56-57-5	4-nitroquinoline-1-oxide	10200	U
135-23-9	methapyrilene	51200	U
465-73-6	isodrin	10200	U
140-57-8	aramite	10200	U
143-50-0	kepone	10200	U
60-11-7	p-(dimethylamino)azobenzene	10200	U
510-15-6	chlorobenzilate	51200	U
119-93-7	3,3'-dimethylbenzidine	51200	U
52-85-7	famphur	10200	U
53-96-3	2-acetylaminofluorene	10200	U
57-97-6	7,12-dimethylbenz(a)anthrace	10200	U
59-49-5	3-methylcholanthrene	10200	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSSRA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1S112

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	4560	U
95-48-7	2-methylphenol	4560	U
106-44-5	4-methylphenol	4560	U
67-72-1	hexachloroethane	4560	U
98-95-3	nitrobenzene	4560	U
87-68-3	hexachlorobutadiene	4560	U
88-06-2	2,4,6-trichlorophenol	4560	U
95-95-4	2,4,5-trichlorophenol	4560	U
121-14-2	2,4-dinitrotoluene	4560	U
118-74-1	hexachlorobenzene	4560	U
87-86-5	pentachlorophenol	4560	U
62-53-3	aniline	4560	U
108-95-2	phenol	4560	U
111-44-4	bis(2-chloroethyl)ether	4560	U
95-57-8	2-chlorophenol	4560	U
541-73-1	1,3-dichlorobenzene	4560	U
106-46-7	1,4-dichlorobenzene	4560	U
100-51-6	benzyl alcohol	4560	U
95-50-1	1,2-dichlorobenzene	4560	U
98-86-2	acetophenone	4560	U
621-64-7	N-nitroso-di-n-propylamine	4560	U
78-59-1	isophorone	4560	U
88-75-5	2-nitrophenol	4560	U
105-67-9	2,4-dimethylphenol	4560	U
111-91-1	bis(2-chloroethoxy)methane	4560	U
120-83-2	2,4-dichlorophenol	4560	U
120-82-1	1,2,4-trichlorobenzene	4560	U
91-20-3	naphthalene	4560	U
106-47-8	4-chloroaniline	4560	U
59-50-7	4-chloro-3-methylphenol	4560	U
91-57-6	2-methylnaphthalene	4560	U
77-47-4	hexachlorocyclopentadiene	4560	U
91-58-7	2-chloronaphthalene	4560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSSRA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1S112

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	4560	U
131-11-3	dimethylphthalate	4560	U
209-96-8	acenaphthylene	4560	U
606-20-2	2,6-dinitrotoluene	4560	U
99-09-2	3-nitroaniline	4560	U
83-32-9	acenaphthene	4560	U
51-28-5	2,4-dinitrophenol	9130	U
132-64-9	dibenzofuran	4560	U
100-02-7	4-nitrophenol	9130	U
84-66-2	diethylphthalate	4560	U
7005-72-3	4-chlorophenylphenylether	4560	U
86-73-7	fluorene	4560	U
100-01-6	4-nitroaniline	4560	U
534-52-1	4,6-dinitro-2-methylphenol	4560	U
86-30-6	N-nitroso-diphenylamine	4560	U
101-55-3	4-bromophenylphenylether	4560	U
85-01-8	phenanthrene	4560	U
120-12-7	anthracene	4560	U
84-74-2	di-n-butylphthalate	4560	U
206-44-0	fluoranthene	4560	U
129-00-0	pyrene	4560	U
85-68-7	butylbenzylphthalate	4560	U
91-94-1	3,3'-dichlorobenzidine	22800	U
56-55-3	benzo(a)anthracene	4560	U
218-01-9	chrysene	4560	U
117-81-7	bis(2-ethylhexyl)phthalate	4560	U
117-84-0	di-n-octylphthalate	4560	U
205-99-2	benzo(b)fluoranthene	4560	U
207-08-9	benzo(k)fluoranthene	4560	U
50-32-8	benzo(a)pyrene	4560	U
193-39-5	indeno(1,2,3-cd)pyrene	4560	U
53-70-3	dibenz(a,h)anthracene	4560	U
191-24-2	benzo(g,h,i)perylene	4560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSSRA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1S112

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	4560	U
123-91-1	1,4-dioxane	4560	U
80-62-6	methyl methacrylate	4560	U
97-63-2	ethyl methacrylate	4560	U
109-06-8	2-picoline	4560	U
10595-95-6	n-nitrosomethylethylamine	4560	U
66-27-3	methyl methanesulfonate	4560	U
55-18-5	n-nitrosodiethylamine	4560	U
62-50-0	ethyl methanesulfonate	4560	U
76-01-7	pentachloroethane	4560	U
930-55-2	n-nitrosopyrrolidine	4560	U
59-89-2	n-nitrosomorpholine	4560	U
95-53-4	o-toluidine	4560	U
100-75-4	n-nitrosopiperdine	4560	U
122-09-8	a,a-dimethylphenethylamine	4560	U
126-68-1	triethylphosphorothioate	4560	U
87-65-0	2,6-dichlorophenol	4560	U
1888-71-7	hexachloropropene	4560	U
106-50-3	p-phenylenediamine	9130	U
924-16-3	n-nitroso-di-n-butylamine	4560	U
94-59-7	safrole	4560	U
634-90-2	1,2,4,5-tetrachlorobenzene	4560	U
120-58-1	isosafrole	4560	U
130-15-4	1,4-naphthoquinone	4560	U
99-65-0	m-dinitrobenzene	4560	U
608-93-5	pentachlorobenzene	4560	U
134-32-7	1-naphthylamine	4560	U
91-59-8	2-naphthylamine	4560	U
58-90-2	2,3,4,6-tetrachlorophenol	4560	U
99-55-8	5-nitro-o-toluidine	4560	U
297-97-2	thionazine	4560	U
122-39-4	diphenylamine	4560	U
3689-24-5	sulfotepp	4560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSSRA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1S112

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	22800	U
62-44-2	phenacetin	4560	U
2303-16-4	diallate	4560	U
60-51-5	dimethoate	22800	U
92-67-1	4-aminobiphenyl	4560	U
82-68-8	pentachloronitrobenzene	4560	U
23950-58-5	pronamide	4560	U
88-85-7	dinoseb	4560	U
298-04-4	disulfoton	4560	U
56-57-5	4-nitroquinoline-1-oxide	4560	U
135-23-9	methapyrilene	22800	U
465-73-6	isodrin	4560	U
140-57-8	aramite	4560	U
143-50-0	kepone	4560	U
60-11-7	p-(dimethylamino)azobenzene	4560	U
510-15-6	chlorobenzilate	22800	U
119-93-7	3,3'-dimethylbenzidine	22800	U
52-85-7	famphur	4560	U
53-96-3	2-acetylaminofluorene	4560	U
57-97-6	7,12-dimethylbenz(a)anthrace	4560	U
59-49-5	3-methylcholanthrene	4560	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1RA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1S113

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: 33 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/04/96

Injection Volume: 1.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1940	U
95-48-7	2-methylphenol	1940	U
106-44-5	4-methylphenol	1940	U
67-72-1	hexachloroethane	1940	U
98-95-3	nitrobenzene	1940	U
87-68-3	hexachlorobutadiene	1940	U
88-06-2	2,4,6-trichlorophenol	1940	U
95-95-4	2,4,5-trichlorophenol	1940	U
121-14-2	2,4-dinitrotoluene	1940	U
118-74-1	hexachlorobenzene	1940	U
87-86-5	pentachlorophenol	1940	U
62-53-3	aniline	1940	U
108-95-2	phenol	1940	U
111-44-4	bis(2-chloroethyl)ether	1940	U
95-57-8	2-chlorophenol	1940	U
541-73-1	1,3-dichlorobenzene	1940	U
106-46-7	1,4-dichlorobenzene	1940	U
100-51-6	benzyl alcohol	1940	U
95-50-1	1,2-dichlorobenzene	1940	U
98-86-2	acetophenone	1940	U
621-64-7	N-nitroso-di-n-propylamine	1940	U
78-59-1	isophorone	1940	U
88-75-5	2-nitrophenol	1940	U
105-67-9	2,4-dimethylphenol	1940	U
111-91-1	bis(2-chloroethoxy)methane	1940	U
120-83-2	2,4-dichlorophenol	1940	U
120-82-1	1,2,4-trichlorobenzene	1940	U
91-20-3	naphthalene	1940	U
106-47-8	4-chloroaniline	1940	U
59-50-7	4-chloro-3-methylphenol	1940	U
91-57-6	2-methylnaphthalene	1940	U
77-47-4	hexachlorocyclopentadiene	1940	U
91-58-7	2-chloronaphthalene	1940	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1RA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1S113

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: 33 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1940	U
131-11-3	dimethylphthalate	1940	U
209-96-8	acenaphthylene	1940	U
606-20-2	2,6-dinitrotoluene	1940	U
99-09-2	3-nitroaniline	1940	U
83-32-9	acenaphthene	1940	U
51-28-5	2,4-dinitrophenol	3890	U
132-64-9	dibenzofuran	1940	U
100-02-7	4-nitrophenol	3890	U
84-66-2	diethylphthalate	1940	U
7005-72-3	4-chlorophenylphenylether	1940	U
86-73-7	fluorene	1940	U
100-01-6	4-nitroaniline	1940	U
534-52-1	4,6-dinitro-2-methylphenol	1940	U
86-30-6	N-nitroso-diphenylamine	1940	U
101-55-3	4-bromophenylphenylether	1940	U
85-01-8	phenanthrene	1940	U
120-12-7	anthracene	1940	U
84-74-2	di-n-butylphthalate	1940	U
206-44-0	fluoranthene	1940	U
129-00-0	pyrene	1940	U
85-68-7	butylbenzylphthalate	1940	U
91-94-1	3,3'-dichlorobenzidine	9730	U
56-55-3	benzo(a)anthracene	1940	U
218-01-9	chrysene	1940	U
117-81-7	bis(2-ethylhexyl)phthalate	1940	U
117-84-0	di-n-octylphthalate	1940	U
205-99-2	benzo(b)fluoranthene	1940	U
207-08-9	benzo(k)fluoranthene	1940	U
50-32-8	benzo(a)pyrene	1940	U
193-39-5	indeno(1,2,3-cd)pyrene	1940	U
53-70-3	dibenz(a,h)anthracene	1940	U
191-24-2	benzo(g,h,i)perylene	1940	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1RA0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1S113

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: 33 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	1940	U
123-91-1	1,4-dioxane	1940	U
80-62-6	methyl methacrylate	1940	U
97-63-2	ethyl methacrylate	1940	U
109-06-8	2-picoline	1940	U
10595-95-6	n-nitrosomethylethylamine	1940	U
66-27-3	methyl methanesulfonate	1940	U
55-18-5	n-nitrosodiethylamine	1940	U
62-50-0	ethyl methanesulfonate	1940	U
76-01-7	pentachloroethane	1940	U
930-55-2	n-nitrosopyrrolidine	1940	U
59-89-2	n-nitrosomorpholine	1940	U
95-53-4	o-toluidine	1940	U
100-75-4	n-nitrosopiperdine	1940	U
122-09-8	a,a-dimethylphenethylamine	1940	U
126-68-1	triethylphosphorothioate	1940	U
87-65-0	2,6-dichlorophenol	1940	U
1888-71-7	hexachloropropene	1940	U
106-50-3	p-phenylenediamine	3890	U
924-16-3	n-nitroso-di-n-butylamine	1940	U
94-59-7	safrole	1940	U
634-90-2	1,2,4,5-tetrachlorobenzene	1940	U
120-58-1	isosafrole	1940	U
130-15-4	1,4-naphthoquinone	1940	U
99-65-0	m-dinitrobenzene	1940	U
608-93-5	pentachlorobenzene	1940	U
134-32-7	1-naphthylamine	1940	U
91-59-8	2-naphthylamine	1940	U
58-90-2	2,3,4,6-tetrachlorophenol	1940	U
99-55-8	5-nitro-o-toluidine	1940	U
297-97-2	thionazine	1940	U
122-39-4	diphenylamine	1940	U
3689-24-5	sulfotepp	1940	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1RA0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1S113

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: 33 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	9730	U
62-44-2	phenacetin	1940	U
2303-16-4	diallate	1940	U
60-51-5	dimethoate	9730	U
92-67-1	4-aminobiphenyl	1940	U
82-68-8	pentachloronitrobenzene	1940	U
23950-58-5	pronamide	1940	U
88-85-7	dinoseb	1940	U
298-04-4	disulfoton	1940	U
56-57-5	4-nitroquinoline-1-oxide	1940	U
135-23-9	methapyrilene	9730	U
465-73-6	isodrin	1940	U
140-57-8	aramite	1940	U
143-50-0	kepone	1940	U
60-11-7	p-(dimethylamino)azobenzene	1940	U
510-15-6	chlorobenzilate	9730	U
119-93-7	3,3'-dimethylbenzidine	9730	U
52-85-7	famphur	1940	U
53-96-3	2-acetylaminofluorene	1940	U
57-97-6	7,12-dimethylbenz(a)anthrace	1940	U
59-49-5	3-methylcholanthrene	1940	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396151

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 2R107

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	331	U
95-48-7	2-methylphenol	331	U
106-44-5	4-methylphenol	331	U
67-72-1	hexachloroethane	331	U
98-95-3	nitrobenzene	331	U
87-68-3	hexachlorobutadiene	331	U
88-06-2	2,4,6-trichlorophenol	331	U
95-95-4	2,4,5-trichlorophenol	331	U
121-14-2	2,4-dinitrotoluene	331	U
118-74-1	hexachlorobenzene	331	U
87-86-5	pentachlorophenol	331	U
62-53-3	aniline	331	U
108-95-2	phenol	331	U
111-44-4	bis(2-chloroethyl)ether	331	U
95-57-8	2-chlorophenol	331	U
541-73-1	1,3-dichlorobenzene	331	U
106-46-7	1,4-dichlorobenzene	331	U
100-51-6	benzyl alcohol	331	U
95-50-1	1,2-dichlorobenzene	331	U
98-86-2	acetophenone	331	U
621-64-7	N-nitroso-di-n-propylamine	331	U
78-59-1	isophorone	331	U
88-75-5	2-nitrophenol	331	U
105-67-9	2,4-dimethylphenol	331	U
111-91-1	bis(2-chloroethoxy)methane	331	U
120-83-2	2,4-dichlorophenol	331	U
120-82-1	1,2,4-trichlorobenzene	331	U
91-20-3	naphthalene	331	U
106-47-8	4-chloroaniline	331	U
59-50-7	4-chloro-3-methylphenol	331	U
91-57-6	2-methylnaphthalene	331	U
77-47-4	hexachlorocyclopentadiene	331	U
91-58-7	2-chloronaphthalene	331	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396151

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 2R107

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	331	U
131-11-3	dimethylphthalate	331	U
209-96-8	acenaphthylene	331	U
606-20-2	2,6-dinitrotoluene	331	U
99-09-2	3-nitroaniline	331	U
83-32-9	acenaphthene	331	U
51-28-5	2,4-dinitrophenol	662	U
132-64-9	dibenzofuran	331	U
100-02-7	4-nitrophenol	662	U
84-66-2	diethylphthalate	331	U
7005-72-3	4-chlorophenylphenylether	331	U
86-73-7	fluorene	331	U
100-01-6	4-nitroaniline	331	U
534-52-1	4,6-dinitro-2-methylphenol	331	U
86-30-6	N-nitroso-diphenylamine	331	U
101-55-3	4-bromophenylphenylether	331	U
85-01-8	phenanthrene	331	U
120-12-7	anthracene	331	U
84-74-2	di-n-butylphthalate	331	U
206-44-0	fluoranthene	331	U
129-00-0	pyrene	331	U
85-68-7	butylbenzylphthalate	331	U
91-94-1	3,3'-dichlorobenzidine	1660	U
56-55-3	benzo(a)anthracene	331	U
218-01-9	chrysene	331	U
117-81-7	bis(2-ethylhexyl)phthalate	331	U
117-84-0	di-n-octylphthalate	331	U
205-99-2	benzo(b)fluoranthene	331	U
207-08-9	benzo(k)fluoranthene	331	U
50-32-8	benzo(a)pyrene	331	U
193-39-5	indeno(1,2,3-cd)pyrene	331	U
53-70-3	dibenz(a,h)anthracene	331	U
191-24-2	benzo(g,h,i)perylene	331	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396151

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 2R107

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	331	U
123-91-1	1,4-dioxane	331	U
80-62-6	methyl methacrylate	331	U
97-63-2	ethyl methacrylate	331	U
109-06-8	2-picoline	331	U
10595-95-6	n-nitrosomethylethylamine	331	U
66-27-3	methyl methanesulfonate	331	U
55-18-5	n-nitrosodiethylamine	331	U
62-50-0	ethyl methanesulfonate	331	U
76-01-7	pentachloroethane	331	U
930-55-2	n-nitrosopyrrolidine	331	U
59-89-2	n-nitrosomorpholine	331	U
95-53-4	o-toluidine	331	U
100-75-4	n-nitrosopiperdine	331	U
122-09-8	a,a-dimethylphenethylamine	331	U
126-68-1	triethylphosphorothioate	331	U
87-65-0	2,6-dichlorophenol	331	U
1888-71-7	hexachloropropene	331	U
106-50-3	p-phenylenediamine	662	U
924-16-3	n-nitroso-di-n-butylamine	331	U
94-59-7	safrole	331	U
634-90-2	1,2,4,5-tetrachlorobenzene	331	U
120-58-1	isosafrole	331	U
130-15-4	1,4-naphthoquinone	331	U
99-65-0	m-dinitrobenzene	331	U
608-93-5	pentachlorobenzene	331	U
134-32-7	1-naphthylamine	331	U
91-59-8	2-naphthylamine	331	U
58-90-2	2,3,4,6-tetrachlorophenol	331	U
99-55-8	5-nitro-o-toluidine	331	U
297-97-2	thionazine	331	U
122-39-4	diphenylamine	331	U
3689-24-5	sulfotepp	331	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396151

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 2R107

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1660	U
62-44-2	phenacetin	331	U
2303-16-4	diallate	331	U
60-51-5	dimethoate	1660	U
92-67-1	4-aminobiphenyl	331	U
82-68-8	pentachloronitrobenzene	331	U
23950-58-5	pronamide	331	U
88-85-7	dinoseb	331	U
298-04-4	disulfoton	331	U
56-57-5	4-nitroquinoline-1-oxide	331	U
135-23-9	methapyrilene	1660	U
465-73-6	isodrin	331	U
140-57-8	aramite	331	U
143-50-0	kepone	331	U
60-11-7	p-(dimethylamino)azobenzene	331	U
510-15-6	chlorobenzilate	1660	U
119-93-7	3,3'-dimethylbenzidine	1660	U
52-85-7	famphur	331	U
53-96-3	2-acetylaminofluorene	331	U
57-97-6	7,12-dimethylbenz(a)anthrace	331	U
59-49-5	3-methylcholanthrene	331	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396152

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2R108

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	326	U
95-48-7	2-methylphenol	326	U
106-44-5	4-methylphenol	326	U
67-72-1	hexachloroethane	326	U
98-95-3	nitrobenzene	326	U
87-68-3	hexachlorobutadiene	326	U
88-06-2	2,4,6-trichlorophenol	326	U
95-95-4	2,4,5-trichlorophenol	326	U
121-14-2	2,4-dinitrotoluene	1270	
118-74-1	hexachlorobenzene	326	U
87-86-5	pentachlorophenol	2890	
62-53-3	aniline	326	U
108-95-2	phenol	1920	
111-44-4	bis(2-chloroethyl)ether	326	U
95-57-8	2-chlorophenol	1820	
541-73-1	1,3-dichlorobenzene	326	U
106-46-7	1,4-dichlorobenzene	871	
100-51-6	benzyl alcohol	326	U
95-50-1	1,2-dichlorobenzene	326	U
98-86-2	acetophenone	326	U
621-64-7	N-nitroso-di-n-propylamine	989	
78-59-1	isophorone	326	U
88-75-5	2-nitrophenol	326	U
105-67-9	2,4-dimethylphenol	326	U
111-91-1	bis(2-chloroethoxy)methane	326	U
120-83-2	2,4-dichlorophenol	326	U
120-82-1	1,2,4-trichlorobenzene	1020	
91-20-3	naphthalene	326	U
106-47-8	4-chloroaniline	326	U
59-50-7	4-chloro-3-methylphenol	2020	
91-57-6	2-methylnaphthalene	326	U
77-47-4	hexachlorocyclopentadiene	326	U
91-58-7	2-chloronaphthalene	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396152

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2R108

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	326	U
131-11-3	dimethylphthalate	326	U
209-96-8	acenaphthylene	326	U
606-20-2	2,6-dinitrotoluene	326	U
99-09-2	3-nitroaniline	326	U
83-32-9	acenaphthene	1100	
51-28-5	2,4-dinitrophenol	651	U
132-64-9	dibenzofuran	326	U
100-02-7	4-nitrophenol	2240	
84-66-2	diethylphthalate	326	U
7005-72-3	4-chlorophenylphenylether	326	U
86-73-7	fluorene	326	U
100-01-6	4-nitroaniline	326	U
534-52-1	4,6-dinitro-2-methylphenol	326	U
86-30-6	N-nitroso-diphenylamine	326	U
101-55-3	4-bromophenylphenylether	326	U
85-01-8	phenanthrene	326	U
120-12-7	anthracene	326	U
84-74-2	di-n-butylphthalate	326	U
206-44-0	fluoranthene	326	U
129-00-0	pyrene	1440	
85-68-7	butylbenzylphthalate	326	U
91-94-1	3,3'-dichlorobenzidine	1630	U
56-55-3	benzo(a)anthracene	326	U
218-01-9	chrysene	326	U
117-81-7	bis(2-ethylhexyl)phthalate	326	U
117-84-0	di-n-octylphthalate	326	U
205-99-2	benzo(b)fluoranthene	326	U
207-08-9	benzo(k)fluoranthene	326	U
50-32-8	benzo(a)pyrene	326	U
193-39-5	indeno(1,2,3-cd)pyrene	326	U
53-70-3	dibenz(a,h)anthracene	326	U
191-24-2	benzo(g,h,i)perylene	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396152

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2R108

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	326	U
123-91-1	1,4-dioxane	326	U
80-62-6	methyl methacrylate	326	U
97-63-2	ethyl methacrylate	326	U
109-06-8	2-picoline	326	U
10595-95-6	n-nitrosomethylethylamine	326	U
66-27-3	methyl methanesulfonate	326	U
55-18-5	n-nitrosodiethylamine	326	U
62-50-0	ethyl methanesulfonate	326	U
76-01-7	pentachloroethane	326	U
930-55-2	n-nitrosopyrrolidine	326	U
59-89-2	n-nitrosomorpholine	326	U
95-53-4	o-toluidine	326	U
100-75-4	n-nitrosopiperdine	326	U
122-09-8	a,a-dimethylphenethylamine	326	U
126-68-1	triethylphosphorothioate	326	U
87-65-0	2,6-dichlorophenol	326	U
1888-71-7	hexachloropropene	326	U
106-50-3	p-phenylenediamine	651	U
924-16-3	n-nitroso-di-n-butylamine	326	U
94-59-7	safrole	326	U
634-90-2	1,2,4,5-tetrachlorobenzene	326	U
120-58-1	isosafrole	326	U
130-15-4	1,4-naphthoquinone	326	U
99-65-0	m-dinitrobenzene	326	U
608-93-5	pentachlorobenzene	326	U
134-32-7	1-naphthylamine	326	U
91-59-8	2-naphthylamine	326	U
58-90-2	2,3,4,6-tetrachlorophenol	326	U
99-55-8	5-nitro-o-toluidine	326	U
297-97-2	thionazine	326	U
122-39-4	diphenylamine	326	U
3689-24-5	sulfotepp	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396152

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2R108

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1630	U
62-44-2	phenacetin	326	U
2303-16-4	diallate	326	U
60-51-5	dimethoate	1630	U
92-67-1	4-aminobiphenyl	326	U
82-68-8	pentachloronitrobenzene	326	U
23950-58-5	pronamide	326	U
88-85-7	dinoseb	326	U
298-04-4	disulfoton	326	U
56-57-5	4-nitroquinoline-1-oxide	326	U
135-23-9	methapyrilene	1630	U
465-73-6	isodrin	326	U
140-57-8	aramite	326	U
143-50-0	kepone	326	U
60-11-7	p-(dimethylamino)azobenzene	326	U
510-15-6	chlorobenzilate	1630	U
119-93-7	3,3'-dimethylbenzidine	1630	U
52-85-7	famphur	326	U
53-96-3	2-acetylaminofluorene	326	U
57-97-6	7,12-dimethylbenz(a)anthrace	326	U
59-49-5	3-methylcholanthrene	326	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396153

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 2R109

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	332	U
95-48-7	2-methylphenol	332	U
106-44-5	4-methylphenol	332	U
67-72-1	hexachloroethane	332	U
98-95-3	nitrobenzene	332	U
87-68-3	hexachlorobutadiene	332	U
88-06-2	2,4,6-trichlorophenol	332	U
95-95-4	2,4,5-trichlorophenol	332	U
121-14-2	2,4-dinitrotoluene	1180	
118-74-1	hexachlorobenzene	332	U
87-86-5	pentachlorophenol	2840	
62-53-3	aniline	332	U
108-95-2	phenol	1470	
111-44-4	bis(2-chloroethyl)ether	332	U
95-57-8	2-chlorophenol	1420	
541-73-1	1,3-dichlorobenzene	332	U
106-46-7	1,4-dichlorobenzene	675	
100-51-6	benzyl alcohol	332	U
95-50-1	1,2-dichlorobenzene	332	U
98-86-2	acetophenone	332	U
621-64-7	N-nitroso-di-n-propylamine	765	
78-59-1	isophorone	332	U
88-75-5	2-nitrophenol	332	U
105-67-9	2,4-dimethylphenol	332	U
111-91-1	bis(2-chloroethoxy)methane	332	U
120-83-2	2,4-dichlorophenol	332	U
120-82-1	1,2,4-trichlorobenzene	767	
91-20-3	naphthalene	332	U
106-47-8	4-chloroaniline	332	U
59-50-7	4-chloro-3-methylphenol	1660	
91-57-6	2-methylnaphthalene	332	U
77-47-4	hexachlorocyclopentadiene	332	U
91-58-7	2-chloronaphthalene	332	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396153

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 2R109

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	332	U
131-11-3	dimethylphthalate	332	U
209-96-8	acenaphthylene	332	U
606-20-2	2,6-dinitrotoluene	332	U
99-09-2	3-nitroaniline	332	U
83-32-9	acenaphthene	878	
51-28-5	2,4-dinitrophenol	663	U
132-64-9	dibenzofuran	332	U
100-02-7	4-nitrophenol	2050	
84-66-2	diethylphthalate	332	U
7005-72-3	4-chlorophenylphenylether	332	U
86-73-7	fluorene	332	U
100-01-6	4-nitroaniline	332	U
534-52-1	4,6-dinitro-2-methylphenol	332	U
86-30-6	N-nitroso-diphenylamine	332	U
101-55-3	4-bromophenylphenylether	332	U
85-01-8	phenanthrene	332	U
120-12-7	anthracene	332	U
84-74-2	di-n-butylphthalate	332	U
206-44-0	fluoranthene	332	U
129-00-0	pyrene	1330	
85-68-7	butylbenzylphthalate	332	U
91-94-1	3,3'-dichlorobenzidine	1660	U
56-55-3	benzo(a)anthracene	332	U
218-01-9	chrysene	332	U
117-81-7	bis(2-ethylhexyl)phthalate	332	U
117-84-0	di-n-octylphthalate	332	U
205-99-2	benzo(b)fluoranthene	332	U
207-08-9	benzo(k)fluoranthene	332	U
50-32-8	benzo(a)pyrene	332	U
193-39-5	indeno(1,2,3-cd)pyrene	332	U
53-70-3	dibenz(a,h)anthracene	332	U
191-24-2	benzo(g,h,i)perylene	332	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396153

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 2R109

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	332	U
123-91-1	1,4-dioxane	332	U
80-62-6	methyl methacrylate	332	U
97-63-2	ethyl methacrylate	332	U
109-06-8	2-picoline	332	U
10595-95-6	n-nitrosomethylethylamine	332	U
66-27-3	methyl methanesulfonate	332	U
55-18-5	n-nitrosodiethylamine	332	U
62-50-0	ethyl methanesulfonate	332	U
76-01-7	pentachloroethane	332	U
930-55-2	n-nitrosopyrrolidine	332	U
59-89-2	n-nitrosomorpholine	332	U
95-53-4	o-toluidine	332	U
100-75-4	n-nitrosopiperdine	332	U
122-09-8	a,a-dimethylphenethylamine	332	U
126-68-1	triethylphosphorothioate	332	U
87-65-0	2,6-dichlorophenol	332	U
1888-71-7	hexachloropropene	332	U
106-50-3	p-phenylenediamine	663	U
924-16-3	n-nitroso-di-n-butylamine	332	U
94-59-7	safrole	332	U
634-90-2	1,2,4,5-tetrachlorobenzene	332	U
120-58-1	isosafrole	332	U
130-15-4	1,4-naphthoquinone	332	U
99-65-0	m-dinitrobenzene	332	U
608-93-5	pentachlorobenzene	332	U
134-32-7	1-naphthylamine	332	U
91-59-8	2-naphthylamine	332	U
58-90-2	2,3,4,6-tetrachlorophenol	332	U
99-55-8	5-nitro-o-toluidine	332	U
297-97-2	thionazine	332	U
122-39-4	diphenylamine	332	U
3689-24-5	sulfotepp	332	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC396153

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 2R109

Level: (low/med) LOW Date Received: 10/24/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1660	U
62-44-2	phenacetin	332	U
2303-16-4	diallate	332	U
60-51-5	dimethoate	1660	U
92-67-1	4-aminobiphenyl	332	U
82-68-8	pentachloronitrobenzene	332	U
23950-58-5	pronamide	332	U
88-85-7	dinoseb	332	U
298-04-4	disulfoton	332	U
56-57-5	4-nitroquinoline-1-oxide	332	U
135-23-9	methapyrilene	1660	U
465-73-6	isodrin	332	U
140-57-8	aramite	332	U
143-50-0	kepone	332	U
60-11-7	p-(dimethylamino)azobenzene	332	U
510-15-6	chlorobenzilate	1660	U
119-93-7	3,3'-dimethylbenzidine	1660	U
52-85-7	famphur	332	U
53-96-3	2-acetylaminofluorene	332	U
57-97-6	7,12-dimethylbenz(a)anthrace	332	U
59-49-5	3-methylcholanthrene	332	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2R114

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2750	U
95-48-7	2-methylphenol	2750	U
106-44-5	4-methylphenol	2750	U
67-72-1	hexachloroethane	2750	U
98-95-3	nitrobenzene	2750	U
87-68-3	hexachlorobutadiene	2750	U
88-06-2	2,4,6-trichlorophenol	2750	U
95-95-4	2,4,5-trichlorophenol	2750	U
121-14-2	2,4-dinitrotoluene	2750	U
118-74-1	hexachlorobenzene	2750	U
87-86-5	pentachlorophenol	2750	U
62-53-3	aniline	2750	U
108-95-2	phenol	2750	U
111-44-4	bis(2-chloroethyl)ether	2750	U
95-57-8	2-chlorophenol	2750	U
541-73-1	1,3-dichlorobenzene	2750	U
106-46-7	1,4-dichlorobenzene	2750	U
100-51-6	benzyl alcohol	2750	U
95-50-1	1,2-dichlorobenzene	2750	U
98-86-2	acetophenone	2750	U
621-64-7	N-nitroso-di-n-propylamine	2750	U
78-59-1	isophorone	2750	U
88-75-5	2-nitrophenol	2750	U
105-67-9	2,4-dimethylphenol	2750	U
111-91-1	bis(2-chloroethoxy)methane	2750	U
120-83-2	2,4-dichlorophenol	2750	U
120-82-1	1,2,4-trichlorobenzene	2750	U
91-20-3	naphthalene	2750	U
106-47-8	4-chloroaniline	2750	U
59-50-7	4-chloro-3-methylphenol	2750	U
91-57-6	2-methylnaphthalene	2750	U
77-47-4	hexachlorocyclopentadiene	2750	U
91-58-7	2-chloronaphthalene	2750	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2R114

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2750	U
131-11-3	dimethylphthalate	2750	U
209-96-8	acenaphthylene	2750	U
606-20-2	2,6-dinitrotoluene	2750	U
99-09-2	3-nitroaniline	2750	U
83-32-9	acenaphthene	2750	U
51-28-5	2,4-dinitrophenol	5490	U
132-64-9	dibenzofuran	2750	U
100-02-7	4-nitrophenol	5490	U
84-66-2	diethylphthalate	2750	U
7005-72-3	4-chlorophenylphenylether	2750	U
86-73-7	fluorene	2750	U
100-01-6	4-nitroaniline	2750	U
534-52-1	4,6-dinitro-2-methylphenol	2750	U
86-30-6	N-nitroso-diphenylamine	2750	U
101-55-3	4-bromophenylphenylether	2750	U
85-01-8	phenanthrene	2750	U
120-12-7	anthracene	2750	U
84-74-2	di-n-butylphthalate	2750	U
206-44-0	fluoranthene	2750	U
129-00-0	pyrene	2750	U
85-68-7	butylbenzylphthalate	2750	U
91-94-1	3,3'-dichlorobenzidine	13700	U
56-55-3	benzo(a)anthracene	2750	U
218-01-9	chrysene	2750	U
117-81-7	bis(2-ethylhexyl)phthalate	2750	U
117-84-0	di-n-octylphthalate	2750	U
205-99-2	benzo(b)fluoranthene	2750	U
207-08-9	benzo(k)fluoranthene	2750	U
50-32-8	benzo(a)pyrene	2750	U
193-39-5	indeno(1,2,3-cd)pyrene	2750	U
53-70-3	dibenz(a,h)anthracene	2750	U
191-24-2	benzo(g,h,i)perylene	2750	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2R114

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	2750	U
123-91-1	1,4-dioxane	2750	U
80-62-6	methyl methacrylate	2750	U
97-63-2	ethyl methacrylate	2750	U
109-06-8	2-picoline	2750	U
10595-95-6	n-nitrosomethylethylamine	2750	U
66-27-3	methyl methanesulfonate	2750	U
55-18-5	n-nitrosodiethylamine	2750	U
62-50-0	ethyl methanesulfonate	2750	U
76-01-7	pentachloroethane	2750	U
930-55-2	n-nitrosopyrrolidine	2750	U
59-89-2	n-nitrosomorpholine	2750	U
95-53-4	o-toluidine	2750	U
100-75-4	n-nitrosopiperdine	2750	U
122-09-8	a,a-dimethylphenethylamine	2750	U
126-68-1	triethylphosphorothioate	2750	U
87-65-0	2,6-dichlorophenol	2750	U
1888-71-7	hexachloropropene	2750	U
106-50-3	p-phenylenediamine	5490	U
924-16-3	n-nitroso-di-n-butylamine	2750	U
94-59-7	safrole	2750	U
634-90-2	1,2,4,5-tetrachlorobenzene	2750	U
120-58-1	isosafrole	2750	U
130-15-4	1,4-naphthoquinone	2750	U
99-65-0	m-dinitrobenzene	2750	U
608-93-5	pentachlorobenzene	2750	U
134-32-7	1-naphthylamine	2750	U
91-59-8	2-naphthylamine	2750	U
58-90-2	2,3,4,6-tetrachlorophenol	2750	U
99-55-8	5-nitro-o-toluidine	2750	U
297-97-2	thionazine	2750	U
122-39-4	diphenylamine	2750	U
3689-24-5	sulfotepp	2750	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2R114

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	13700	U
62-44-2	phenacetin	2750	U
2303-16-4	diallate	2750	U
60-51-5	dimethoate	13700	U
92-67-1	4-aminobiphenyl	2750	U
82-68-8	pentachloronitrobenzene	2750	U
23950-58-5	pronamide	2750	U
88-85-7	dinoseb	2750	U
298-04-4	disulfoton	2750	U
56-57-5	4-nitroquinoline-1-oxide	2750	U
135-23-9	methapyrilene	13700	U
465-73-6	isodrin	2750	U
140-57-8	aramite	2750	U
143-50-0	kepone	2750	U
60-11-7	p-(dimethylamino)azobenzene	2750	U
510-15-6	chlorobenzilate	13700	U
119-93-7	3,3'-dimethylbenzidine	13700	U
52-85-7	famphur	2750	U
53-96-3	2-acetylaminofluorene	2750	U
57-97-6	7,12-dimethylbenz(a)anthrace	2750	U
59-49-5	3-methylcholanthrene	2750	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2R115

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1720	U
95-48-7	2-methylphenol	1720	U
106-44-5	4-methylphenol	1720	U
67-72-1	hexachloroethane	1720	U
98-95-3	nitrobenzene	1720	U
87-68-3	hexachlorobutadiene	1720	U
88-06-2	2,4,6-trichlorophenol	1720	U
95-95-4	2,4,5-trichlorophenol	1720	U
121-14-2	2,4-dinitrotoluene	1720	U
118-74-1	hexachlorobenzene	1720	U
87-86-5	pentachlorophenol	1720	U
62-53-3	aniline	1720	U
108-95-2	phenol	1720	U
111-44-4	bis(2-chloroethyl)ether	1720	U
95-57-8	2-chlorophenol	1720	U
541-73-1	1,3-dichlorobenzene	1720	U
106-46-7	1,4-dichlorobenzene	1720	U
100-51-6	benzyl alcohol	1720	U
95-50-1	1,2-dichlorobenzene	1720	U
98-86-2	acetophenone	1720	U
621-64-7	N-nitroso-di-n-propylamine	1720	U
78-59-1	isophorone	1720	U
88-75-5	2-nitrophenol	1720	U
105-67-9	2,4-dimethylphenol	1720	U
111-91-1	bis(2-chloroethoxy)methane	1720	U
120-83-2	2,4-dichlorophenol	1720	U
120-82-1	1,2,4-trichlorobenzene	1720	U
91-20-3	naphthalene	1720	U
106-47-8	4-chloroaniline	1720	U
59-50-7	4-chloro-3-methylphenol	1720	U
91-57-6	2-methylnaphthalene	1720	U
77-47-4	hexachlorocyclopentadiene	1720	U
91-58-7	2-chloronaphthalene	1720	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2R115

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/28/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1720	U
131-11-3	dimethylphthalate	1720	U
209-96-8	acenaphthylene	1720	U
606-20-2	2,6-dinitrotoluene	1720	U
99-09-2	3-nitroaniline	1720	U
83-32-9	acenaphthene	1720	U
51-28-5	2,4-dinitrophenol	3440	U
132-64-9	dibenzofuran	1720	U
100-02-7	4-nitrophenol	3440	U
84-66-2	diethylphthalate	1720	U
7005-72-3	4-chlorophenylphenylether	1720	U
86-73-7	fluorene	1720	U
100-01-6	4-nitroaniline	1720	U
534-52-1	4,6-dinitro-2-methylphenol	1720	U
86-30-6	N-nitroso-diphenylamine	1720	U
101-55-3	4-bromophenylphenylether	1720	U
85-01-8	phenanthrene	1720	U
120-12-7	anthracene	1720	U
84-74-2	di-n-butylphthalate	1720	U
206-44-0	fluoranthene	4000	
129-00-0	pyrene	4000	
85-68-7	butylbenzylphthalate	1720	U
91-94-1	3,3'-dichlorobenzidine	8600	U
56-55-3	benzo(a)anthracene	1910	
218-01-9	chrysene	2120	
117-81-7	bis(2-ethylhexyl)phthalate	1720	U
117-84-0	di-n-octylphthalate	1720	U
205-99-2	benzo(b)fluoranthene	3500	
207-08-9	benzo(k)fluoranthene	1720	U
50-32-8	benzo(a)pyrene	1720	U
193-39-5	indeno(1,2,3-cd)pyrene	1720	U
53-70-3	dibenz(a,h)anthracene	1720	U
191-24-2	benzo(g,h,i)perylene	992	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2R115

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	1720	U
123-91-1	1,4-dioxane	1720	U
80-62-6	methyl methacrylate	1720	U
97-63-2	ethyl methacrylate	1720	U
109-06-8	2-picoline	1720	U
10595-95-6	n-nitrosomethylethylamine	1720	U
66-27-3	methyl methanesulfonate	1720	U
55-18-5	n-nitrosodiethylamine	1720	U
62-50-0	ethyl methanesulfonate	1720	U
76-01-7	pentachloroethane	1720	U
930-55-2	n-nitrosopyrrolidine	1720	U
59-89-2	n-nitrosomorpholine	1720	U
95-53-4	o-toluidine	1720	U
100-75-4	n-nitrosopiperdine	1720	U
122-09-8	a,a-dimethylphenethylamine	1720	U
126-68-1	triethylphosphorothioate	1720	U
87-65-0	2,6-dichlorophenol	1720	U
1888-71-7	hexachloropropene	1720	U
106-50-3	p-phenylenediamine	3440	U
924-16-3	n-nitroso-di-n-butylamine	1720	U
94-59-7	safrole	1720	U
634-90-2	1,2,4,5-tetrachlorobenzene	1720	U
120-58-1	isosafrole	1720	U
130-15-4	1,4-naphthoquinone	1720	U
99-65-0	m-dinitrobenzene	1720	U
608-93-5	pentachlorobenzene	1720	U
134-32-7	1-naphthylamine	1720	U
91-59-8	2-naphthylamine	1720	U
58-90-2	2,3,4,6-tetrachlorophenol	1720	U
99-55-8	5-nitro-o-toluidine	1720	U
297-97-2	thionazine	1720	U
122-39-4	diphenylamine	1720	U
3689-24-5	sulfotepp	1720	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2R115

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	8600	U
62-44-2	phenacetin	1720	U
2303-16-4	diallate	1720	U
60-51-5	dimethoate	8600	U
92-67-1	4-aminobiphenyl	1720	U
82-68-8	pentachloronitrobenzene	1720	U
23950-58-5	pronamide	1720	U
88-85-7	dinoseb	1720	U
298-04-4	disulfoton	1720	U
56-57-5	4-nitroquinoline-1-oxide	1720	U
135-23-9	methapyrilene	8600	U
465-73-6	isodrin	1720	U
140-57-8	aramite	1720	U
143-50-0	kepone	1720	U
60-11-7	p-(dimethylamino)azobenzene	1720	U
510-15-6	chlorobenzilate	8600	U
119-93-7	3,3'-dimethylbenzidine	8600	U
52-85-7	famphur	1720	U
53-96-3	2-acetylaminofluorene	1720	U
57-97-6	7,12-dimethylbenz(a)anthrace	1720	U
59-49-5	3-methylcholanthrene	1720	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2R116

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2540	U
95-48-7	2-methylphenol	2540	U
106-44-5	4-methylphenol	2540	U
67-72-1	hexachloroethane	2540	U
98-95-3	nitrobenzene	2540	U
87-68-3	hexachlorobutadiene	2540	U
88-06-2	2,4,6-trichlorophenol	2540	U
95-95-4	2,4,5-trichlorophenol	2540	U
121-14-2	2,4-dinitrotoluene	2540	U
118-74-1	hexachlorobenzene	2540	U
87-86-5	pentachlorophenol	2540	U
62-53-3	aniline	2540	U
108-95-2	phenol	2540	U
111-44-4	bis(2-chloroethyl)ether	2540	U
95-57-8	2-chlorophenol	2540	U
541-73-1	1,3-dichlorobenzene	2540	U
106-46-7	1,4-dichlorobenzene	2540	U
100-51-6	benzyl alcohol	2540	U
95-50-1	1,2-dichlorobenzene	2540	U
98-86-2	acetophenone	2540	U
621-64-7	N-nitroso-di-n-propylamine	2540	U
78-59-1	isophorone	2540	U
88-75-5	2-nitrophenol	2540	U
105-67-9	2,4-dimethylphenol	2540	U
111-91-1	bis(2-chloroethoxy)methane	2540	U
120-83-2	2,4-dichlorophenol	2540	U
120-82-1	1,2,4-trichlorobenzene	2540	U
91-20-3	naphthalene	2540	U
106-47-8	4-chloroaniline	2540	U
59-50-7	4-chloro-3-methylphenol	2540	U
91-57-6	2-methylnaphthalene	2540	U
77-47-4	hexachlorocyclopentadiene	2540	U
91-58-7	2-chloronaphthalene	2540	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2R116

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2540	U
131-11-3	dimethylphthalate	2540	U
209-96-8	acenaphthylene	2540	U
606-20-2	2,6-dinitrotoluene	2540	U
99-09-2	3-nitroaniline	2540	U
83-32-9	acenaphthene	2540	U
51-28-5	2,4-dinitrophenol	5080	U
132-64-9	dibenzofuran	2540	U
100-02-7	4-nitrophenol	5080	U
84-66-2	diethylphthalate	2540	U
7005-72-3	4-chlorophenylphenylether	2540	U
86-73-7	fluorene	2540	U
100-01-6	4-nitroaniline	2540	U
534-52-1	4,6-dinitro-2-methylphenol	2540	U
86-30-6	N-nitroso-diphenylamine	2540	U
101-55-3	4-bromophenylphenylether	2540	U
85-01-8	phenanthrene	2540	U
120-12-7	anthracene	2540	U
84-74-2	di-n-butylphthalate	2540	U
206-44-0	fluoranthene	2540	U
129-00-0	pyrene	2540	U
85-68-7	butylbenzylphthalate	2540	U
91-94-1	3,3'-dichlorobenzidine	12700	U
56-55-3	benzo(a)anthracene	2540	U
218-01-9	chrysene	2540	U
117-81-7	bis(2-ethylhexyl)phthalate	2540	U
117-84-0	di-n-octylphthalate	2540	U
205-99-2	benzo(b)fluoranthene	2540	U
207-08-9	benzo(k)fluoranthene	2540	U
50-32-8	benzo(a)pyrene	2540	U
193-39-5	indeno(1,2,3-cd)pyrene	2540	U
53-70-3	dibenz(a,h)anthracene	2540	U
191-24-2	benzo(g,h,i)perylene	2540	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2R116

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	2540	U
123-91-1	1,4-dioxane	2540	U
80-62-6	methyl methacrylate	2540	U
97-63-2	ethyl methacrylate	2540	U
109-06-8	2-picoline	2540	U
10595-95-6	n-nitrosomethylethylamine	2540	U
66-27-3	methyl methanesulfonate	2540	U
55-18-5	n-nitrosodiethylamine	2540	U
62-50-0	ethyl methanesulfonate	2540	U
76-01-7	pentachloroethane	2540	U
930-55-2	n-nitrosopyrrolidine	2540	U
59-89-2	n-nitrosomorpholine	2540	U
95-53-4	o-toluidine	2540	U
100-75-4	n-nitrosopiperdine	2540	U
122-09-8	a,a-dimethylphenethylamine	2540	U
126-68-1	triethylphosphorothioate	2540	U
87-65-0	2,6-dichlorophenol	2540	U
1888-71-7	hexachloropropene	2540	U
106-50-3	p-phenylenediamine	5080	U
924-16-3	n-nitroso-di-n-butylamine	2540	U
94-59-7	safrole	2540	U
634-90-2	1,2,4,5-tetrachlorobenzene	2540	U
120-58-1	isosafrole	2540	U
130-15-4	1,4-naphthoquinone	2540	U
99-65-0	m-dinitrobenzene	2540	U
608-93-5	pentachlorobenzene	2540	U
134-32-7	1-naphthylamine	2540	U
91-59-8	2-naphthylamine	2540	U
58-90-2	2,3,4,6-tetrachlorophenol	2540	U
99-55-8	5-nitro-o-toluidine	2540	U
297-97-2	thionazine	2540	U
122-39-4	diphenylamine	2540	U
3689-24-5	sulfotepp	2540	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2R116

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	12700	U
62-44-2	phenacetin	2540	U
2303-16-4	diallate	2540	U
60-51-5	dimethoate	12700	U
92-67-1	4-aminobiphenyl	2540	U
82-68-8	pentachloronitrobenzene	2540	U
23950-58-5	pronamide	2540	U
88-85-7	dinoseb	2540	U
298-04-4	disulfoton	2540	U
56-57-5	4-nitroquinoline-1-oxide	2540	U
135-23-9	methapyrilene	12700	U
465-73-6	isodrin	2540	U
140-57-8	aramite	2540	U
143-50-0	kepone	2540	U
60-11-7	p-(dimethylamino)azobenzene	2540	U
510-15-6	chlorobenzilate	12700	U
119-93-7	3,3'-dimethylbenzidine	12700	U
52-85-7	famphur	2540	U
53-96-3	2-acetylaminofluorene	2540	U
57-97-6	7,12-dimethylbenz(a)anthrace	2540	U
59-49-5	3-methylcholanthrene	2540	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2R117

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2710	U
95-48-7	2-methylphenol	2710	U
106-44-5	4-methylphenol	2710	U
67-72-1	hexachloroethane	2710	U
98-95-3	nitrobenzene	2710	U
87-68-3	hexachlorobutadiene	2710	U
88-06-2	2,4,6-trichlorophenol	2710	U
95-95-4	2,4,5-trichlorophenol	2710	U
121-14-2	2,4-dinitrotoluene	2710	U
118-74-1	hexachlorobenzene	2710	U
87-86-5	pentachlorophenol	2710	U
62-53-3	aniline	2710	U
108-95-2	phenol	2710	U
111-44-4	bis(2-chloroethyl)ether	2710	U
95-57-8	2-chlorophenol	2710	U
541-73-1	1,3-dichlorobenzene	2710	U
106-46-7	1,4-dichlorobenzene	2710	U
100-51-6	benzyl alcohol	2710	U
95-50-1	1,2-dichlorobenzene	2710	U
98-86-2	acetophenone	2710	U
621-64-7	N-nitroso-di-n-propylamine	2710	U
78-59-1	isophorone	2710	U
88-75-5	2-nitrophenol	2710	U
105-67-9	2,4-dimethylphenol	2710	U
111-91-1	bis(2-chloroethoxy)methane	2710	U
120-83-2	2,4-dichlorophenol	2710	U
120-82-1	1,2,4-trichlorobenzene	2710	U
91-20-3	naphthalene	2710	U
106-47-8	4-chloroaniline	2710	U
59-50-7	4-chloro-3-methylphenol	2710	U
91-57-6	2-methylnaphthalene	2710	U
77-47-4	hexachlorocyclopentadiene	2710	U
91-58-7	2-chloronaphthalene	2710	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2R117

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2710	U
131-11-3	dimethylphthalate	2710	U
209-96-8	acenaphthylene	2710	U
606-20-2	2,6-dinitrotoluene	2710	U
99-09-2	3-nitroaniline	2710	U
83-32-9	acenaphthene	2710	U
51-28-5	2,4-dinitrophenol	5420	U
132-64-9	dibenzofuran	2710	U
100-02-7	4-nitrophenol	5420	U
84-66-2	diethylphthalate	2710	U
7005-72-3	4-chlorophenylphenylether	2710	U
86-73-7	fluorene	2710	U
100-01-6	4-nitroaniline	2710	U
534-52-1	4,6-dinitro-2-methylphenol	2710	U
86-30-6	N-nitroso-diphenylamine	2710	U
101-55-3	4-bromophenylphenylether	2710	U
85-01-8	phenanthrene	2710	U
120-12-7	anthracene	2710	U
84-74-2	di-n-butylphthalate	2710	U
206-44-0	fluoranthene	2710	U
129-00-0	pyrene	2710	U
85-68-7	butylbenzylphthalate	2710	U
91-94-1	3,3'-dichlorobenzidine	13600	U
56-55-3	benzo(a)anthracene	2710	U
218-01-9	chrysene	2710	U
117-81-7	bis(2-ethylhexyl)phthalate	2710	U
117-84-0	di-n-octylphthalate	2710	U
205-99-2	benzo(b)fluoranthene	2710	U
207-08-9	benzo(k)fluoranthene	2710	U
50-32-8	benzo(a)pyrene	2710	U
193-39-5	indeno(1,2,3-cd)pyrene	2710	U
53-70-3	dibenz(a,h)anthracene	2710	U
191-24-2	benzo(g,h,i)perylene	2710	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2R117

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	2710	U
123-91-1	1,4-dioxane	2710	U
80-62-6	methyl methacrylate	2710	U
97-63-2	ethyl methacrylate	2710	U
109-06-8	2-picoline	2710	U
10595-95-6	n-nitrosomethylethylamine	2710	U
66-27-3	methyl methanesulfonate	2710	U
55-18-5	n-nitrosodiethylamine	2710	U
62-50-0	ethyl methanesulfonate	2710	U
76-01-7	pentachloroethane	2710	U
930-55-2	n-nitrosopyrrolidine	2710	U
59-89-2	n-nitrosomorpholine	2710	U
95-53-4	o-toluidine	2710	U
100-75-4	n-nitrosopiperdine	2710	U
122-09-8	a,a-dimethylphenethylamine	2710	U
126-68-1	triethylphosphorothioate	2710	U
87-65-0	2,6-dichlorophenol	2710	U
1888-71-7	hexachloropropene	2710	U
106-50-3	p-phenylenediamine	5420	U
924-16-3	n-nitroso-di-n-butylamine	2710	U
94-59-7	safrole	2710	U
634-90-2	1,2,4,5-tetrachlorobenzene	2710	U
120-58-1	isosafrole	2710	U
130-15-4	1,4-naphthoquinone	2710	U
99-65-0	m-dinitrobenzene	2710	U
608-93-5	pentachlorobenzene	2710	U
134-32-7	1-naphthylamine	2710	U
91-59-8	2-naphthylamine	2710	U
58-90-2	2,3,4,6-tetrachlorophenol	2710	U
99-55-8	5-nitro-o-toluidine	2710	U
297-97-2	thionazine	2710	U
122-39-4	diphenylamine	2710	U
3689-24-5	sulfotepp	2710	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 2R117

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	13600	U
62-44-2	phenacetin	2710	U
2303-16-4	diallate	2710	U
60-51-5	dimethoate	13600	U
92-67-1	4-aminobiphenyl	2710	U
82-68-8	pentachloronitrobenzene	2710	U
23950-58-5	pronamide	2710	U
88-85-7	dinoseb	2710	U
298-04-4	disulfoton	2710	U
56-57-5	4-nitroquinoline-1-oxide	2710	U
135-23-9	methapyrilene	13600	U
465-73-6	isodrin	2710	U
140-57-8	aramite	2710	U
143-50-0	kepone	2710	U
60-11-7	p-(dimethylamino)azobenzene	2710	U
510-15-6	chlorobenzilate	13600	U
119-93-7	3,3'-dimethylbenzidine	13600	U
52-85-7	famphur	2710	U
53-96-3	2-acetylaminofluorene	2710	U
57-97-6	7,12-dimethylbenz(a)anthrace	2710	U
59-49-5	3-methylcholanthrene	2710	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2R118

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1130	U
95-48-7	2-methylphenol	1130	U
106-44-5	4-methylphenol	1130	U
67-72-1	hexachloroethane	1130	U
98-95-3	nitrobenzene	1130	U
87-68-3	hexachlorobutadiene	1130	U
88-06-2	2,4,6-trichlorophenol	1130	U
95-95-4	2,4,5-trichlorophenol	1130	U
121-14-2	2,4-dinitrotoluene	1130	U
118-74-1	hexachlorobenzene	1130	U
87-86-5	pentachlorophenol	1130	U
62-53-3	aniline	1130	U
108-95-2	phenol	1130	U
111-44-4	bis(2-chloroethyl)ether	1130	U
95-57-8	2-chlorophenol	1130	U
541-73-1	1,3-dichlorobenzene	1130	U
106-46-7	1,4-dichlorobenzene	1130	U
100-51-6	benzyl alcohol	1130	U
95-50-1	1,2-dichlorobenzene	1130	U
98-86-2	acetophenone	1130	U
621-64-7	N-nitroso-di-n-propylamine	1130	U
78-59-1	isophorone	1130	U
88-75-5	2-nitrophenol	1130	U
105-67-9	2,4-dimethylphenol	1130	U
111-91-1	bis(2-chloroethoxy)methane	1130	U
120-83-2	2,4-dichlorophenol	1130	U
120-82-1	1,2,4-trichlorobenzene	1130	U
91-20-3	naphthalene	1130	U
106-47-8	4-chloroaniline	1130	U
59-50-7	4-chloro-3-methylphenol	1130	U
91-57-6	2-methylnaphthalene	1130	U
77-47-4	hexachlorocyclopentadiene	1130	U
91-58-7	2-chloronaphthalene	1130	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2R118

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1130	U
131-11-3	dimethylphthalate	1130	U
209-96-8	acenaphthylene	1130	U
606-20-2	2,6-dinitrotoluene	1130	U
99-09-2	3-nitroaniline	1130	U
83-32-9	acenaphthene	1130	U
51-28-5	2,4-dinitrophenol	2250	U
132-64-9	dibenzofuran	1130	U
100-02-7	4-nitrophenol	2250	U
84-66-2	diethylphthalate	1130	U
7005-72-3	4-chlorophenylphenylether	1130	U
86-73-7	fluorene	1130	U
100-01-6	4-nitroaniline	1130	U
534-52-1	4,6-dinitro-2-methylphenol	1130	U
86-30-6	N-nitroso-diphenylamine	1130	U
101-55-3	4-bromophenylphenylether	1130	U
85-01-8	phenanthrene	1130	U
120-12-7	anthracene	1130	U
84-74-2	di-n-butylphthalate	1130	U
206-44-0	fluoranthene	1130	U
129-00-0	pyrene	1130	U
85-68-7	butylbenzylphthalate	1130	U
91-94-1	3,3'-dichlorobenzidine	5630	U
56-55-3	benzo(a)anthracene	1130	U
218-01-9	chrysene	1130	U
117-81-7	bis(2-ethylhexyl)phthalate	1130	U
117-84-0	di-n-octylphthalate	1130	U
205-99-2	benzo(b)fluoranthene	1130	U
207-08-9	benzo(k)fluoranthene	1130	U
50-32-8	benzo(a)pyrene	1130	U
193-39-5	indeno(1,2,3-cd)pyrene	1130	U
53-70-3	dibenz(a,h)anthracene	1130	U
191-24-2	benzo(g,h,i)perylene	1130	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2R118

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	1130	U
123-91-1	1,4-dioxane	1130	U
80-62-6	methyl methacrylate	1130	U
97-63-2	ethyl methacrylate	1130	U
109-06-8	2-picoline	1130	U
10595-95-6	n-nitrosomethylethylamine	1130	U
66-27-3	methyl methanesulfonate	1130	U
55-18-5	n-nitrosodiethylamine	1130	U
62-50-0	ethyl methanesulfonate	1130	U
76-01-7	pentachloroethane	1130	U
930-55-2	n-nitrosopyrrolidine	1130	U
59-89-2	n-nitrosomorpholine	1130	U
95-53-4	o-toluidine	1130	U
100-75-4	n-nitrosopiperdine	1130	U
122-09-8	a,a-dimethylphenethylamine	1130	U
126-68-1	triethylphosphorothioate	1130	U
87-65-0	2,6-dichlorophenol	1130	U
1888-71-7	hexachloropropene	1130	U
106-50-3	p-phenylenediamine	2250	U
924-16-3	n-nitroso-di-n-butylamine	1130	U
94-59-7	safrole	1130	U
634-90-2	1,2,4,5-tetrachlorobenzene	1130	U
120-58-1	isosafrole	1130	U
130-15-4	1,4-naphthoquinone	1130	U
99-65-0	m-dinitrobenzene	1130	U
608-93-5	pentachlorobenzene	1130	U
134-32-7	1-naphthylamine	1130	U
91-59-8	2-naphthylamine	1130	U
58-90-2	2,3,4,6-tetrachlorophenol	1130	U
99-55-8	5-nitro-o-toluidine	1130	U
297-97-2	thionazine	1130	U
122-39-4	diphenylamine	1130	U
3689-24-5	sulfotepp	1130	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 2R118

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/24/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/28/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	5630	U
62-44-2	phenacetin	1130	U
2303-16-4	diallate	1130	U
60-51-5	dimethoate	5630	U
92-67-1	4-aminobiphenyl	1130	U
82-68-8	pentachloronitrobenzene	1130	U
23950-58-5	pronamide	1130	U
88-85-7	dinoseb	1130	U
298-04-4	disulfoton	1130	U
56-57-5	4-nitroquinoline-1-oxide	1130	U
135-23-9	methapyrilene	5630	U
465-73-6	isodrin	1130	U
140-57-8	aramite	1130	U
143-50-0	kepone	1130	U
60-11-7	p-(dimethylamino)azobenzene	1130	U
510-15-6	chlorobenzilate	5630	U
119-93-7	3,3'-dimethylbenzidine	5630	U
52-85-7	famphur	1130	U
53-96-3	2-acetylaminofluorene	1130	U
57-97-6	7,12-dimethylbenz(a)anthrace	1130	U
59-49-5	3-methylcholanthrene	1130	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394723

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q207

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	326	U
95-48-7	2-methylphenol	326	U
106-44-5	4-methylphenol	326	U
67-72-1	hexachloroethane	326	U
98-95-3	nitrobenzene	326	U
87-68-3	hexachlorobutadiene	326	U
88-06-2	2,4,6-trichlorophenol	326	U
95-95-4	2,4,5-trichlorophenol	326	U
121-14-2	2,4-dinitrotoluene	326	U
118-74-1	hexachlorobenzene	326	U
87-86-5	pentachlorophenol	326	U
62-53-3	aniline	326	U
108-95-2	phenol	326	U
111-44-4	bis(2-chloroethyl)ether	326	U
95-57-8	2-chlorophenol	326	U
541-73-1	1,3-dichlorobenzene	326	U
106-46-7	1,4-dichlorobenzene	326	U
100-51-6	benzyl alcohol	326	U
95-50-1	1,2-dichlorobenzene	326	U
98-86-2	acetophenone	326	U
621-64-7	N-nitroso-di-n-propylamine	326	U
78-59-1	isophorone	326	U
88-75-5	2-nitrophenol	326	U
105-67-9	2,4-dimethylphenol	326	U
111-91-1	bis(2-chloroethoxy)methane	326	U
120-83-2	2,4-dichlorophenol	326	U
120-82-1	1,2,4-trichlorobenzene	326	U
91-20-3	naphthalene	326	U
106-47-8	4-chloroaniline	326	U
59-50-7	4-chloro-3-methylphenol	326	U
91-57-6	2-methylnaphthalene	326	U
77-47-4	hexachlorocyclopentadiene	326	U
91-58-7	2-chloronaphthalene	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394723

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q207

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	326	U
131-11-3	dimethylphthalate	326	U
209-96-8	acenaphthylene	326	U
606-20-2	2,6-dinitrotoluene	326	U
99-09-2	3-nitroaniline	326	U
83-32-9	acenaphthene	326	U
51-28-5	2,4-dinitrophenol	652	U
132-64-9	dibenzofuran	326	U
100-02-7	4-nitrophenol	652	U
84-66-2	diethylphthalate	326	U
7005-72-3	4-chlorophenylphenylether	326	U
86-73-7	fluorene	326	U
100-01-6	4-nitroaniline	326	U
534-52-1	4,6-dinitro-2-methylphenol	326	U
86-30-6	N-nitroso-diphenylamine	326	U
101-55-3	4-bromophenylphenylether	326	U
85-01-8	phenanthrene	326	U
120-12-7	anthracene	326	U
84-74-2	di-n-butylphthalate	326	U
206-44-0	fluoranthene	326	U
129-00-0	pyrene	326	U
85-68-7	butylbenzylphthalate	326	U
91-94-1	3,3'-dichlorobenzidine	1630	U
56-55-3	benzo(a)anthracene	326	U
218-01-9	chrysene	326	U
117-81-7	bis(2-ethylhexyl)phthalate	326	U
117-84-0	di-n-octylphthalate	326	U
205-99-2	benzo(b)fluoranthene	326	U
207-08-9	benzo(k)fluoranthene	326	U
50-32-8	benzo(a)pyrene	326	U
193-39-5	indeno(1,2,3-cd)pyrene	326	U
53-70-3	dibenz(a,h)anthracene	326	U
191-24-2	benzo(g,h,i)perylene	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394723

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q207

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	326	U
123-91-1	1,4-dioxane	326	U
80-62-6	methyl methacrylate	326	U
97-63-2	ethyl methacrylate	326	U
109-06-8	2-picoline	326	U
10595-95-6	n-nitrosomethylethylamine	326	U
66-27-3	methyl methanesulfonate	326	U
55-18-5	n-nitrosodiethylamine	326	U
62-50-0	ethyl methanesulfonate	326	U
76-01-7	pentachloroethane	326	U
930-55-2	n-nitrosopyrrolidine	326	U
59-89-2	n-nitrosomorpholine	326	U
95-53-4	o-toluidine	326	U
100-75-4	n-nitrosopiperdine	326	U
122-09-8	a,a-dimethylphenethylamine	326	U
126-68-1	triethylphosphorothioate	326	U
87-65-0	2,6-dichlorophenol	326	U
1888-71-7	hexachloropropene	326	U
106-50-3	p-phenylenediamine	652	U
924-16-3	n-nitroso-di-n-butylamine	326	U
94-59-7	safrole	326	U
634-90-2	1,2,4,5-tetrachlorobenzene	326	U
120-58-1	isosafrole	326	U
130-15-4	1,4-naphthoquinone	326	U
99-65-0	m-dinitrobenzene	326	U
608-93-5	pentachlorobenzene	326	U
134-32-7	1-naphthylamine	326	U
91-59-8	2-naphthylamine	326	U
58-90-2	2,3,4,6-tetrachlorophenol	326	U
99-55-8	5-nitro-o-toluidine	326	U
297-97-2	thionazine	326	U
122-39-4	diphenylamine	326	U
3689-24-5	sulfotepp	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394723

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q207

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1630	U
62-44-2	phenacetin	326	U
2303-16-4	diallate	326	U
60-51-5	dimethoate	1630	U
92-67-1	4-aminobiphenyl	326	U
82-68-8	pentachloronitrobenzene	326	U
23950-58-5	pronamide	326	U
88-85-7	dinoseb	326	U
298-04-4	disulfoton	326	U
56-57-5	4-nitroquinoline-1-oxide	326	U
135-23-9	methapyrilene	1630	U
465-73-6	isodrin	326	U
140-57-8	aramite	326	U
143-50-0	kepone	326	U
60-11-7	p-(dimethylamino)azobenzene	326	U
510-15-6	chlorobenzilate	1630	U
119-93-7	3,3'-dimethylbenzidine	1630	U
52-85-7	famphur	326	U
53-96-3	2-acetylaminofluorene	326	U
57-97-6	7,12-dimethylbenz(a)anthrace	326	U
59-49-5	3-methylcholanthrene	326	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394724

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q208

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	326	U
95-48-7	2-methylphenol	326	U
106-44-5	4-methylphenol	326	U
67-72-1	hexachloroethane	326	U
98-95-3	nitrobenzene	326	U
87-68-3	hexachlorobutadiene	326	U
88-06-2	2,4,6-trichlorophenol	326	U
95-95-4	2,4,5-trichlorophenol	326	U
121-14-2	2,4-dinitrotoluene	1480	
118-74-1	hexachlorobenzene	326	U
87-86-5	pentachlorophenol	2990	
62-53-3	aniline	326	U
108-95-2	phenol	2580	
111-44-4	bis(2-chloroethyl)ether	326	U
95-57-8	2-chlorophenol	2700	
541-73-1	1,3-dichlorobenzene	326	U
106-46-7	1,4-dichlorobenzene	1270	
100-51-6	benzyl alcohol	326	U
95-50-1	1,2-dichlorobenzene	326	U
98-86-2	acetophenone	326	U
621-64-7	N-nitroso-di-n-propylamine	1560	
78-59-1	isophorone	326	U
88-75-5	2-nitrophenol	326	U
105-67-9	2,4-dimethylphenol	326	U
111-91-1	bis(2-chloroethoxy)methane	326	U
120-83-2	2,4-dichlorophenol	326	U
120-82-1	1,2,4-trichlorobenzene	1550	
91-20-3	naphthalene	326	U
106-47-8	4-chloroaniline	326	U
59-50-7	4-chloro-3-methylphenol	3260	
91-57-6	2-methylnaphthalene	326	U
77-47-4	hexachlorocyclopentadiene	326	U
91-58-7	2-chloronaphthalene	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394724

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q208

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	326	U
131-11-3	dimethylphthalate	326	U
209-96-8	acenaphthylene	326	U
606-20-2	2,6-dinitrotoluene	326	U
99-09-2	3-nitroaniline	326	U
83-32-9	acenaphthene	1470	
51-28-5	2,4-dinitrophenol	651	U
132-64-9	dibenzofuran	326	U
100-02-7	4-nitrophenol	2210	
84-66-2	diethylphthalate	326	U
7005-72-3	4-chlorophenylphenylether	326	U
86-73-7	fluorene	326	U
100-01-6	4-nitroaniline	326	U
534-52-1	4,6-dinitro-2-methylphenol	326	U
86-30-6	N-nitroso-diphenylamine	326	U
101-55-3	4-bromophenylphenylether	326	U
85-01-8	phenanthrene	326	U
120-12-7	anthracene	326	U
84-74-2	di-n-butylphthalate	326	U
206-44-0	fluoranthene	326	U
129-00-0	pyrene	1730	
85-68-7	butylbenzylphthalate	326	U
91-94-1	3,3'-dichlorobenzidine	1630	U
56-55-3	benzo(a)anthracene	326	U
218-01-9	chrysene	326	U
117-81-7	bis(2-ethylhexyl)phthalate	326	U
117-84-0	di-n-octylphthalate	326	U
205-99-2	benzo(b)fluoranthene	326	U
207-08-9	benzo(k)fluoranthene	326	U
50-32-8	benzo(a)pyrene	326	U
193-39-5	indeno(1,2,3-cd)pyrene	326	U
53-70-3	dibenz(a,h)anthracene	326	U
191-24-2	benzo(g,h,i)perylene	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394724

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q208

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	326	U
123-91-1	1,4-dioxane	326	U
80-62-6	methyl methacrylate	326	U
97-63-2	ethyl methacrylate	326	U
109-06-8	2-picoline	326	U
10595-95-6	n-nitrosomethylethylamine	326	U
66-27-3	methyl methanesulfonate	326	U
55-18-5	n-nitrosodiethylamine	326	U
62-50-0	ethyl methanesulfonate	326	U
76-01-7	pentachloroethane	326	U
930-55-2	n-nitrosopyrrolidine	326	U
59-89-2	n-nitrosomorpholine	326	U
95-53-4	o-toluidine	326	U
100-75-4	n-nitrosopiperdine	326	U
122-09-8	a,a-dimethylphenethylamine	326	U
126-68-1	triethylphosphorothioate	326	U
87-65-0	2,6-dichlorophenol	326	U
1888-71-7	hexachloropropene	326	U
106-50-3	p-phenylenediamine	651	U
924-16-3	n-nitroso-di-n-butylamine	326	U
94-59-7	safrole	326	U
634-90-2	1,2,4,5-tetrachlorobenzene	326	U
120-58-1	isosafrole	326	U
130-15-4	1,4-naphthoquinone	326	U
99-65-0	m-dinitrobenzene	326	U
608-93-5	pentachlorobenzene	326	U
134-32-7	1-naphthylamine	326	U
91-59-8	2-naphthylamine	326	U
58-90-2	2,3,4,6-tetrachlorophenol	326	U
99-55-8	5-nitro-o-toluidine	326	U
297-97-2	thionazine	326	U
122-39-4	diphenylamine	326	U
3689-24-5	sulfotepp	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394724

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q208

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1630	U
62-44-2	phenacetin	326	U
2303-16-4	diallate	326	U
60-51-5	dimethoate	1630	U
92-67-1	4-aminobiphenyl	326	U
82-68-8	pentachloronitrobenzene	326	U
23950-58-5	pronamide	326	U
88-85-7	dinoseb	326	U
298-04-4	disulfoton	326	U
56-57-5	4-nitroquinoline-1-oxide	326	U
135-23-9	methapyrilene	1630	U
465-73-6	isodrin	326	U
140-57-8	aramite	326	U
143-50-0	kepone	326	U
60-11-7	p-(dimethylamino)azobenzene	326	U
510-15-6	chlorobenzilate	1630	U
119-93-7	3,3'-dimethylbenzidine	1630	U
52-85-7	famphur	326	U
53-96-3	2-acetylaminofluorene	326	U
57-97-6	7,12-dimethylbenz(a)anthrace	326	U
59-49-5	3-methylcholanthrene	326	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394725

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4Q209

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	327	U
95-48-7	2-methylphenol	327	U
106-44-5	4-methylphenol	327	U
67-72-1	hexachloroethane	327	U
98-95-3	nitrobenzene	327	U
87-68-3	hexachlorobutadiene	327	U
88-06-2	2,4,6-trichlorophenol	327	U
95-95-4	2,4,5-trichlorophenol	327	U
121-14-2	2,4-dinitrotoluene	1360	
118-74-1	hexachlorobenzene	327	U
87-86-5	pentachlorophenol	2820	
62-53-3	aniline	327	U
108-95-2	phenol	2360	
111-44-4	bis(2-chloroethyl)ether	327	U
95-57-8	2-chlorophenol	2360	
541-73-1	1,3-dichlorobenzene	327	U
106-46-7	1,4-dichlorobenzene	1120	
100-51-6	benzyl alcohol	327	U
95-50-1	1,2-dichlorobenzene	327	U
98-86-2	acetophenone	327	U
621-64-7	N-nitroso-di-n-propylamine	1360	
78-59-1	isophorone	327	U
88-75-5	2-nitrophenol	327	U
105-67-9	2,4-dimethylphenol	327	U
111-91-1	bis(2-chloroethoxy)methane	327	U
120-83-2	2,4-dichlorophenol	327	U
120-82-1	1,2,4-trichlorobenzene	1340	
91-20-3	naphthalene	327	U
106-47-8	4-chloroaniline	327	U
59-50-7	4-chloro-3-methylphenol	3090	
91-57-6	2-methylnaphthalene	1300	
77-47-4	hexachlorocyclopentadiene	327	U
91-58-7	2-chloronaphthalene	327	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394725

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4Q209

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	327	U
131-11-3	dimethylphthalate	327	U
209-96-8	acenaphthylene	327	U
606-20-2	2,6-dinitrotoluene	327	U
99-09-2	3-nitroaniline	327	U
83-32-9	acenaphthene	1280	
51-28-5	2,4-dinitrophenol	654	U
132-64-9	dibenzofuran	327	U
100-02-7	4-nitrophenol	2180	
84-66-2	diethylphthalate	327	U
7005-72-3	4-chlorophenylphenylether	327	U
86-73-7	fluorene	327	U
100-01-6	4-nitroaniline	327	U
534-52-1	4,6-dinitro-2-methylphenol	327	U
86-30-6	N-nitroso-diphenylamine	327	U
101-55-3	4-bromophenylphenylether	327	U
85-01-8	phenanthrene	327	U
120-12-7	anthracene	327	U
84-74-2	di-n-butylphthalate	327	U
206-44-0	fluoranthene	327	U
129-00-0	pyrene	1760	
85-68-7	butylbenzylphthalate	327	U
91-94-1	3,3'-dichlorobenzidine	1630	U
56-55-3	benzo(a)anthracene	327	U
218-01-9	chrysene	327	U
117-81-7	bis(2-ethylhexyl)phthalate	327	U
117-84-0	di-n-octylphthalate	327	U
205-99-2	benzo(b)fluoranthene	327	U
207-08-9	benzo(k)fluoranthene	327	U
50-32-8	benzo(a)pyrene	327	U
193-39-5	indeno(1,2,3-cd)pyrene	327	U
53-70-3	dibenz(a,h)anthracene	327	U
191-24-2	benzo(g,h,i)perylene	327	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394725

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4Q209

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	327	U
123-91-1	1,4-dioxane	327	U
80-62-6	methyl methacrylate	327	U
97-63-2	ethyl methacrylate	327	U
109-06-8	2-picoline	327	U
10595-95-6	n-nitrosomethylethylamine	327	U
66-27-3	methyl methanesulfonate	327	U
55-18-5	n-nitrosodiethylamine	327	U
62-50-0	ethyl methanesulfonate	327	U
76-01-7	pentachloroethane	327	U
930-55-2	n-nitrosopyrrolidine	327	U
59-89-2	n-nitrosomorpholine	327	U
95-53-4	o-toluidine	327	U
100-75-4	n-nitrosopiperdine	327	U
122-09-8	a,a-dimethylphenethylamine	327	U
126-68-1	triethylphosphorothioate	327	U
87-65-0	2,6-dichlorophenol	327	U
1888-71-7	hexachloropropene	327	U
106-50-3	p-phenylenediamine	654	U
924-16-3	n-nitroso-di-n-butylamine	327	U
94-59-7	safrole	327	U
634-90-2	1,2,4,5-tetrachlorobenzene	327	U
120-58-1	isosafrole	327	U
130-15-4	1,4-naphthoquinone	327	U
99-65-0	m-dinitrobenzene	327	U
608-93-5	pentachlorobenzene	327	U
134-32-7	1-naphthylamine	327	U
91-59-8	2-naphthylamine	327	U
58-90-2	2,3,4,6-tetrachlorophenol	327	U
99-55-8	5-nitro-o-toluidine	327	U
297-97-2	thionazine	327	U
122-39-4	diphenylamine	327	U
3689-24-5	sulfotepp	327	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394725

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4Q209

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1630	U
62-44-2	phenacetin	327	U
2303-16-4	diallate	327	U
60-51-5	dimethoate	1630	U
92-67-1	4-aminobiphenyl	327	U
82-68-8	pentachloronitrobenzene	327	U
23950-58-5	pronamide	327	U
88-85-7	dinoseb	327	U
298-04-4	disulfoton	327	U
56-57-5	4-nitroquinoline-1-oxide	327	U
135-23-9	methapyrilene	1630	U
465-73-6	isodrin	327	U
140-57-8	aramite	327	U
143-50-0	kepone	327	U
60-11-7	p-(dimethylamino)azobenzene	327	U
510-15-6	chlorobenzilate	1630	U
119-93-7	3,3'-dimethylbenzidine	1630	U
52-85-7	famphur	327	U
53-96-3	2-acetylaminofluorene	327	U
57-97-6	7,12-dimethylbenz(a)anthrace	327	U
59-49-5	3-methylcholanthrene	327	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4Q210

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1020	U
95-48-7	2-methylphenol	1020	U
106-44-5	4-methylphenol	1020	U
67-72-1	hexachloroethane	1020	U
98-95-3	nitrobenzene	1020	U
87-68-3	hexachlorobutadiene	1020	U
88-06-2	2,4,6-trichlorophenol	1020	U
95-95-4	2,4,5-trichlorophenol	1020	U
121-14-2	2,4-dinitrotoluene	1020	U
118-74-1	hexachlorobenzene	1020	U
87-86-5	pentachlorophenol	1020	U
62-53-3	aniline	1020	U
108-95-2	phenol	1020	U
111-44-4	bis(2-chloroethyl)ether	1020	U
95-57-8	2-chlorophenol	1020	U
541-73-1	1,3-dichlorobenzene	1020	U
106-46-7	1,4-dichlorobenzene	1020	U
100-51-6	benzyl alcohol	1020	U
95-50-1	1,2-dichlorobenzene	1020	U
98-86-2	acetophenone	1020	U
621-64-7	N-nitroso-di-n-propylamine	1020	U
78-59-1	isophorone	1020	U
88-75-5	2-nitrophenol	1020	U
105-67-9	2,4-dimethylphenol	1020	U
111-91-1	bis(2-chloroethoxy)methane	1020	U
120-83-2	2,4-dichlorophenol	1020	U
120-82-1	1,2,4-trichlorobenzene	1020	U
91-20-3	naphthalene	1020	U
106-47-8	4-chloroaniline	1020	U
59-50-7	4-chloro-3-methylphenol	1020	U
91-57-6	2-methylnaphthalene	1020	U
77-47-4	hexachlorocyclopentadiene	1020	U
91-58-7	2-chloronaphthalene	1020	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4Q210

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1020	U
131-11-3	dimethylphthalate	1020	U
209-96-8	acenaphthylene	1020	U
606-20-2	2,6-dinitrotoluene	1020	U
99-09-2	3-nitroaniline	1020	U
83-32-9	acenaphthene	1020	U
51-28-5	2,4-dinitrophenol	2050	U
132-64-9	dibenzofuran	1020	U
100-02-7	4-nitrophenol	2050	U
84-66-2	diethylphthalate	1020	U
7005-72-3	4-chlorophenylphenylether	1020	U
86-73-7	fluorene	1020	U
100-01-6	4-nitroaniline	1020	U
534-52-1	4,6-dinitro-2-methylphenol	1020	U
86-30-6	N-nitroso-diphenylamine	1020	U
101-55-3	4-bromophenylphenylether	1020	U
85-01-8	phenanthrene	1020	U
120-12-7	anthracene	1020	U
84-74-2	di-n-butylphthalate	1020	U
206-44-0	fluoranthene	1020	U
129-00-0	pyrene	1020	U
85-68-7	butylbenzylphthalate	1020	U
91-94-1	3,3'-dichlorobenzidine	5130	U
56-55-3	benzo(a)anthracene	1020	U
218-01-9	chrysene	1020	U
117-81-7	bis(2-ethylhexyl)phthalate	1020	U
117-84-0	di-n-octylphthalate	1020	U
205-99-2	benzo(b)fluoranthene	1020	U
207-08-9	benzo(k)fluoranthene	1020	U
50-32-8	benzo(a)pyrene	1020	U
193-39-5	indeno(1,2,3-cd)pyrene	1020	U
53-70-3	dibenz(a,h)anthracene	1020	U
191-24-2	benzo(g,h,i)perylene	1020	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4Q210

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	1020	U
123-91-1	1,4-dioxane	1020	U
80-62-6	methyl methacrylate	1020	U
97-63-2	ethyl methacrylate	1020	U
109-06-8	2-picoline	1020	U
10595-95-6	n-nitrosomethylethylamine	1020	U
66-27-3	methyl methanesulfonate	1020	U
55-18-5	n-nitrosodiethylamine	1020	U
62-50-0	ethyl methanesulfonate	1020	U
76-01-7	pentachloroethane	1020	U
930-55-2	n-nitrosopyrrolidine	1020	U
59-89-2	n-nitrosomorpholine	1020	U
95-53-4	o-toluidine	1020	U
100-75-4	n-nitrosopiperdine	1020	U
122-09-8	a,a-dimethylphenethylamine	1020	U
126-68-1	triethylphosphorothioate	1020	U
87-65-0	2,6-dichlorophenol	1020	U
1888-71-7	hexachloropropene	1020	U
106-50-3	p-phenylenediamine	2050	U
924-16-3	n-nitroso-di-n-butylamine	1020	U
94-59-7	safrole	1020	U
634-90-2	1,2,4,5-tetrachlorobenzene	1020	U
120-58-1	isosafrole	1020	U
130-15-4	1,4-naphthoquinone	1020	U
99-65-0	m-dinitrobenzene	1020	U
608-93-5	pentachlorobenzene	1020	U
134-32-7	1-naphthylamine	1020	U
91-59-8	2-naphthylamine	1020	U
58-90-2	2,3,4,6-tetrachlorophenol	1020	U
99-55-8	5-nitro-o-toluidine	1020	U
297-97-2	thionazine	1020	U
122-39-4	diphenylamine	1020	U
3689-24-5	sulfotepp	1020	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4Q210

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	5130	U
62-44-2	phenacetin	1020	U
2303-16-4	diallate	1020	U
60-51-5	dimethoate	5130	U
92-67-1	4-aminobiphenyl	1020	U
82-68-8	pentachloronitrobenzene	1020	U
23950-58-5	pronamide	1020	U
88-85-7	dinoseb	1020	U
298-04-4	disulfoton	1020	U
56-57-5	4-nitroquinoline-1-oxide	1020	U
135-23-9	methapyrilene	5130	U
465-73-6	isodrin	1020	U
140-57-8	aramite	1020	U
143-50-0	kepone	1020	U
60-11-7	p-(dimethylamino)azobenzene	1020	U
510-15-6	chlorobenzilate	5130	U
119-93-7	3,3'-dimethylbenzidine	5130	U
52-85-7	famphur	1020	U
53-96-3	2-acetylaminofluorene	1020	U
57-97-6	7,12-dimethylbenz(a)anthrace	1020	U
59-49-5	3-methylcholanthrene	1020	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394726

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q211

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1040	U
95-48-7	2-methylphenol	6350	
106-44-5	4-methylphenol	6950	
67-72-1	hexachloroethane	2310	
98-95-3	nitrobenzene	5930	
87-68-3	hexachlorobutadiene	5280	
88-06-2	2,4,6-trichlorophenol	7770	
95-95-4	2,4,5-trichlorophenol	8860	
121-14-2	2,4-dinitrotoluene	9360	
118-74-1	hexachlorobenzene	8750	
87-86-5	pentachlorophenol	10300	
62-53-3	aniline	3420	
108-95-2	phenol	5850	
111-44-4	bis(2-chloroethyl)ether	5740	
95-57-8	2-chlorophenol	5500	
541-73-1	1,3-dichlorobenzene	3160	
106-46-7	1,4-dichlorobenzene	3460	
100-51-6	benzyl alcohol	6260	
95-50-1	1,2-dichlorobenzene	3900	
98-86-2	acetophenone	1040	U
621-64-7	N-nitroso-di-n-propylamine	6400	
78-59-1	isophorone	6150	
88-75-5	2-nitrophenol	6060	
105-67-9	2,4-dimethylphenol	7330	
111-91-1	bis(2-chloroethoxy)methane	6590	
120-83-2	2,4-dichlorophenol	6860	
120-82-1	1,2,4-trichlorobenzene	5630	
91-20-3	naphthalene	5630	
106-47-8	4-chloroaniline	3420	
59-50-7	4-chloro-3-methylphenol	9100	
91-57-6	2-methylnaphthalene	6950	
77-47-4	hexachlorocyclopentadiene	974	J
91-58-7	2-chloronaphthalene	6650	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394726

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q211

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	8490	
131-11-3	dimethylphthalate	8060	
209-96-8	acenaphthylene	6390	
606-20-2	2,6-dinitrotoluene	10100	
99-09-2	3-nitroaniline	7760	
83-32-9	acenaphthene	7340	
51-28-5	2,4-dinitrophenol	5660	
132-64-9	dibenzofuran	7020	
100-02-7	4-nitrophenol	8870	
84-66-2	diethylphthalate	8980	
7005-72-3	4-chlorophenylphenylether	8260	
86-73-7	fluorene	7960	
100-01-6	4-nitroaniline	8600	
534-52-1	4,6-dinitro-2-methylphenol	6340	
86-30-6	N-nitroso-diphenylamine	10400	
101-55-3	4-bromophenylphenylether	9070	
85-01-8	phenanthrene	8070	
120-12-7	anthracene	7940	
84-74-2	di-n-butylphthalate	7390	
206-44-0	fluoranthene	7910	
129-00-0	pyrene	14300	E
85-68-7	butylbenzylphthalate	13100	E
91-94-1	3,3'-dichlorobenzidine	4960	
56-55-3	benzo(a)anthracene	10400	
218-01-9	chrysene	10800	
117-81-7	bis(2-ethylhexyl)phthalate	11400	E
117-84-0	di-n-octylphthalate	16700	E
205-99-2	benzo(b)fluoranthene	10800	
207-08-9	benzo(k)fluoranthene	13800	E
50-32-8	benzo(a)pyrene	9860	
193-39-5	indeno(1,2,3-cd)pyrene	10100	
53-70-3	dibenz(a,h)anthracene	11000	
191-24-2	benzo(g,h,i)perylene	8590	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394726

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q211

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	2950	
123-91-1	1,4-dioxane	1040	U
80-62-6	methyl methacrylate	1040	U
97-63-2	ethyl methacrylate	1040	U
109-06-8	2-picoline	1040	U
10595-95-6	n-nitrosomethylethylamine	1040	U
66-27-3	methyl methanesulfonate	1040	U
55-18-5	n-nitrosodiethylamine	1040	U
62-50-0	ethyl methanesulfonate	1040	U
76-01-7	pentachloroethane	1040	U
930-55-2	n-nitrosopyrrolidine	1040	U
59-89-2	n-nitrosomorpholine	1040	U
95-53-4	o-toluidine	1040	U
100-75-4	n-nitrosopiperdine	1040	U
122-09-8	a,a-dimethylphenethylamine	1040	U
126-68-1	triethylphosphorothioate	1040	U
87-65-0	2,6-dichlorophenol	1040	U
1888-71-7	hexachloropropene	1040	U
106-50-3	p-phenylenediamine	2080	U
924-16-3	n-nitroso-di-n-butylamine	1040	U
94-59-7	safrole	1040	U
634-90-2	1,2,4,5-tetrachlorobenzene	1040	U
120-58-1	isosafrole	1040	U
130-15-4	1,4-naphthoquinone	1040	U
99-65-0	m-dinitrobenzene	1040	U
608-93-5	pentachlorobenzene	1040	U
134-32-7	1-naphthylamine	1040	U
91-59-8	2-naphthylamine	1040	U
58-90-2	2,3,4,6-tetrachlorophenol	1040	U
99-55-8	5-nitro-o-toluidine	1040	U
297-97-2	thionazine	1040	U
122-39-4	diphenylamine	1040	U
3689-24-5	sulfotepp	1040	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394726

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q211

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	5190	U
62-44-2	phenacetin	1040	U
2303-16-4	diallate	1040	U
60-51-5	dimethoate	5190	U
92-67-1	4-aminobiphenyl	1040	U
82-68-8	pentachloronitrobenzene	1040	U
23950-58-5	pronamide	1040	U
88-85-7	dinoseb	1040	U
298-04-4	disulfoton	1040	U
56-57-5	4-nitroquinoline-1-oxide	1040	U
135-23-9	methapyrilene	5190	U
465-73-6	isodrin	1040	U
140-57-8	aramite	1040	U
143-50-0	kepone	1040	U
60-11-7	p-(dimethylamino)azobenzene	1040	U
510-15-6	chlorobenzilate	5190	U
119-93-7	3,3'-dimethylbenzidine	5190	U
52-85-7	famphur	1040	U
53-96-3	2-acetylaminofluorene	1040	U
57-97-6	7,12-dimethylbenz(a)anthrace	1040	U
59-49-5	3-methylcholanthrene	1040	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394727

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q212

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1040	U
95-48-7	2-methylphenol	6700	
106-44-5	4-methylphenol	7610	
67-72-1	hexachloroethane	3300	
98-95-3	nitrobenzene	6380	
87-68-3	hexachlorobutadiene	6390	
88-06-2	2,4,6-trichlorophenol	8610	
95-95-4	2,4,5-trichlorophenol	9710	
121-14-2	2,4-dinitrotoluene	9990	
118-74-1	hexachlorobenzene	8830	
87-86-5	pentachlorophenol	10100	
62-53-3	aniline	3140	
108-95-2	phenol	6270	
111-44-4	bis(2-chloroethyl)ether	6410	
95-57-8	2-chlorophenol	5860	
541-73-1	1,3-dichlorobenzene	5090	
106-46-7	1,4-dichlorobenzene	5260	
100-51-6	benzyl alcohol	6820	
95-50-1	1,2-dichlorobenzene	5540	
98-86-2	acetophenone	1040	U
621-64-7	N-nitroso-di-n-propylamine	6910	
78-59-1	isophorone	6580	
88-75-5	2-nitrophenol	6410	
105-67-9	2,4-dimethylphenol	8100	
111-91-1	bis(2-chloroethoxy)methane	6840	
120-83-2	2,4-dichlorophenol	7730	
120-82-1	1,2,4-trichlorobenzene	6540	
91-20-3	naphthalene	5990	
106-47-8	4-chloroaniline	2720	
59-50-7	4-chloro-3-methylphenol	10300	
91-57-6	2-methylnaphthalene	7750	
77-47-4	hexachlorocyclopentadiene	894	J
91-58-7	2-chloronaphthalene	7420	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394727

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q212

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	9570	
131-11-3	dimethylphthalate	9030	
209-96-8	acenaphthylene	6730	
606-20-2	2,6-dinitrotoluene	11400	
99-09-2	3-nitroaniline	7410	
83-32-9	acenaphthene	8100	
51-28-5	2,4-dinitrophenol	5510	
132-64-9	dibenzofuran	7830	
100-02-7	4-nitrophenol	9460	
84-66-2	diethylphthalate	8900	
7005-72-3	4-chlorophenylphenylether	9470	
86-73-7	fluorene	8440	
100-01-6	4-nitroaniline	8160	
534-52-1	4,6-dinitro-2-methylphenol	6180	
86-30-6	N-nitroso-diphenylamine	11100	
101-55-3	4-bromophenylphenylether	9920	
85-01-8	phenanthrene	7990	
120-12-7	anthracene	7810	
84-74-2	di-n-butylphthalate	6830	
206-44-0	fluoranthene	7510	
129-00-0	pyrene	15400	E
85-68-7	butylbenzylphthalate	13800	E
91-94-1	3,3'-dichlorobenzidine	5190	
56-55-3	benzo(a)anthracene	10800	
218-01-9	chrysene	10100	
117-81-7	bis(2-ethylhexyl)phthalate	11500	E
117-84-0	di-n-octylphthalate	16400	E
205-99-2	benzo(b)fluoranthene	12100	
207-08-9	benzo(k)fluoranthene	9920	
50-32-8	benzo(a)pyrene	10400	
193-39-5	indeno(1,2,3-cd)pyrene	10200	
53-70-3	dibenz(a,h)anthracene	11200	
191-24-2	benzo(g,h,i)perylene	8530	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394727

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q212

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	4850	
123-91-1	1,4-dioxane	1040	U
80-62-6	methyl methacrylate	1040	U
97-63-2	ethyl methacrylate	1040	U
109-06-8	2-picoline	1040	U
10595-95-6	n-nitrosomethylethylamine	1040	U
66-27-3	methyl methanesulfonate	1040	U
55-18-5	n-nitrosodiethylamine	1040	U
62-50-0	ethyl methanesulfonate	1040	U
76-01-7	pentachloroethane	1040	U
930-55-2	n-nitrosopyrrolidine	1040	U
59-89-2	n-nitrosomorpholine	1040	U
95-53-4	o-toluidine	1040	U
100-75-4	n-nitrosopiperdine	1040	U
122-09-8	a,a-dimethylphenethylamine	1040	U
126-68-1	triethylphosphorothioate	1040	U
87-65-0	2,6-dichlorophenol	1040	U
1888-71-7	hexachloropropene	1040	U
106-50-3	p-phenylenediamine	2080	U
924-16-3	n-nitroso-di-n-butylamine	1040	U
94-59-7	safrole	1040	U
634-90-2	1,2,4,5-tetrachlorobenzene	1040	U
120-58-1	isosafrole	1040	U
130-15-4	1,4-naphthoquinone	1040	U
99-65-0	m-dinitrobenzene	1040	U
608-93-5	pentachlorobenzene	1040	U
134-32-7	1-naphthylamine	1040	U
91-59-8	2-naphthylamine	1040	U
58-90-2	2,3,4,6-tetrachlorophenol	1040	U
99-55-8	5-nitro-o-toluidine	1040	U
297-97-2	thionazine	1040	U
122-39-4	diphenylamine	1040	U
3689-24-5	sulfotepp	1040	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394727

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q212

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 68 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	5190	U
62-44-2	phenacetin	1040	U
2303-16-4	diallate	1040	U
60-51-5	dimethoate	5190	U
92-67-1	4-aminobiphenyl	1040	U
82-68-8	pentachloronitrobenzene	1040	U
23950-58-5	pronamide	1040	U
88-85-7	dinoseb	1040	U
298-04-4	disulfoton	1040	U
56-57-5	4-nitroquinoline-1-oxide	1040	U
135-23-9	methapyrilene	5190	U
465-73-6	isodrin	1040	U
140-57-8	aramite	1040	U
143-50-0	kepone	1040	U
60-11-7	p-(dimethylamino)azobenzene	1040	U
510-15-6	chlorobenzilate	5190	U
119-93-7	3,3'-dimethylbenzidine	5190	U
52-85-7	famphur	1040	U
53-96-3	2-acetylaminofluorene	1040	U
57-97-6	7,12-dimethylbenz(a)anthrace	1040	U
59-49-5	3-methylcholanthrene	1040	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397322

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4R510

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/01/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	328	U
95-48-7	2-methylphenol	328	U
106-44-5	4-methylphenol	328	U
67-72-1	hexachloroethane	328	U
98-95-3	nitrobenzene	328	U
87-68-3	hexachlorobutadiene	328	U
88-06-2	2,4,6-trichlorophenol	328	U
95-95-4	2,4,5-trichlorophenol	328	U
121-14-2	2,4-dinitrotoluene	328	U
118-74-1	hexachlorobenzene	328	U
87-86-5	pentachlorophenol	328	U
62-53-3	aniline	328	U
108-95-2	phenol	328	U
111-44-4	bis(2-chloroethyl)ether	328	U
95-57-8	2-chlorophenol	328	U
541-73-1	1,3-dichlorobenzene	328	U
106-46-7	1,4-dichlorobenzene	328	U
100-51-6	benzyl alcohol	328	U
95-50-1	1,2-dichlorobenzene	328	U
98-86-2	acetophenone	328	U
621-64-7	N-nitroso-di-n-propylamine	328	U
78-59-1	isophorone	328	U
88-75-5	2-nitrophenol	328	U
105-67-9	2,4-dimethylphenol	328	U
111-91-1	bis(2-chloroethoxy)methane	328	U
120-83-2	2,4-dichlorophenol	328	U
120-82-1	1,2,4-trichlorobenzene	328	U
91-20-3	naphthalene	328	U
106-47-8	4-chloroaniline	328	U
59-50-7	4-chloro-3-methylphenol	328	U
91-57-6	2-methylnaphthalene	328	U
77-47-4	hexachlorocyclopentadiene	328	U
91-58-7	2-chloronaphthalene	328	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397322

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4R510

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	328	U
131-11-3	dimethylphthalate	328	U
209-96-8	acenaphthylene	328	U
606-20-2	2,6-dinitrotoluene	328	U
99-09-2	3-nitroaniline	328	U
83-32-9	acenaphthene	328	U
51-28-5	2,4-dinitrophenol	655	U
132-64-9	dibenzofuran	328	U
100-02-7	4-nitrophenol	655	U
84-66-2	diethylphthalate	328	U
7005-72-3	4-chlorophenylphenylether	328	U
86-73-7	fluorene	328	U
100-01-6	4-nitroaniline	328	U
534-52-1	4,6-dinitro-2-methylphenol	328	U
86-30-6	N-nitroso-diphenylamine	328	U
101-55-3	4-bromophenylphenylether	328	U
85-01-8	phenanthrene	328	U
120-12-7	anthracene	328	U
84-74-2	di-n-butylphthalate	328	U
206-44-0	fluoranthene	328	U
129-00-0	pyrene	328	U
85-68-7	butylbenzylphthalate	328	U
91-94-1	3,3'-dichlorobenzidine	1640	U
56-55-3	benzo(a)anthracene	328	U
218-01-9	chrysene	328	U
117-81-7	bis(2-ethylhexyl)phthalate	328	U
117-84-0	di-n-octylphthalate	328	U
205-99-2	benzo(b)fluoranthene	328	U
207-08-9	benzo(k)fluoranthene	328	U
50-32-8	benzo(a)pyrene	328	U
193-39-5	indeno(1,2,3-cd)pyrene	328	U
53-70-3	dibenz(a,h)anthracene	328	U
191-24-2	benzo(g,h,i)perylene	328	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397322

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4R510

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	328	U
123-91-1	1,4-dioxane	328	U
80-62-6	methyl methacrylate	328	U
97-63-2	ethyl methacrylate	328	U
109-06-8	2-picoline	328	U
10595-95-6	n-nitrosomethylethylamine	328	U
66-27-3	methyl methanesulfonate	328	U
55-18-5	n-nitrosodiethylamine	328	U
62-50-0	ethyl methanesulfonate	328	U
76-01-7	pentachloroethane	328	U
930-55-2	n-nitrosopyrrolidine	328	U
59-89-2	n-nitrosomorpholine	328	U
95-53-4	o-toluidine	328	U
100-75-4	n-nitrosopiperdine	328	U
122-09-8	a,a-dimethylphenethylamine	328	U
126-68-1	triethylphosphorothioate	328	U
87-65-0	2,6-dichlorophenol	328	U
1888-71-7	hexachloropropene	328	U
106-50-3	p-phenylenediamine	655	U
924-16-3	n-nitroso-di-n-butylamine	328	U
94-59-7	safrole	328	U
634-90-2	1,2,4,5-tetrachlorobenzene	328	U
120-58-1	isosafrole	328	U
130-15-4	1,4-naphthoquinone	328	U
99-65-0	m-dinitrobenzene	328	U
608-93-5	pentachlorobenzene	328	U
134-32-7	1-naphthylamine	328	U
91-59-8	2-naphthylamine	328	U
58-90-2	2,3,4,6-tetrachlorophenol	328	U
99-55-8	5-nitro-o-toluidine	328	U
297-97-2	thionazine	328	U
122-39-4	diphenylamine	328	U
3689-24-5	sulfotepp	328	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397322

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4R510

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1640	U
62-44-2	phenacetin	328	U
2303-16-4	diallate	328	U
60-51-5	dimethoate	1640	U
92-67-1	4-aminobiphenyl	328	U
82-68-8	pentachloronitrobenzene	328	U
23950-58-5	pronamide	328	U
88-85-7	dinoseb	328	U
298-04-4	disulfoton	328	U
56-57-5	4-nitroquinoline-1-oxide	328	U
135-23-9	methapyrilene	1640	U
465-73-6	isodrin	328	U
140-57-8	aramite	328	U
143-50-0	kepone	328	U
60-11-7	p-(dimethylamino)azobenzene	328	U
510-15-6	chlorobenzilate	1640	U
119-93-7	3,3'-dimethylbenzidine	1640	U
52-85-7	famphur	328	U
53-96-3	2-acetylaminofluorene	328	U
57-97-6	7,12-dimethylbenz(a)anthrace	328	U
59-49-5	3-methylcholanthrene	328	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397323

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R511

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	329	U
95-48-7	2-methylphenol	329	U
106-44-5	4-methylphenol	329	U
67-72-1	hexachloroethane	329	U
98-95-3	nitrobenzene	329	U
87-68-3	hexachlorobutadiene	329	U
88-06-2	2,4,6-trichlorophenol	329	U
95-95-4	2,4,5-trichlorophenol	329	U
121-14-2	2,4-dinitrotoluene	1250	
118-74-1	hexachlorobenzene	329	U
87-86-5	pentachlorophenol	2550	
62-53-3	aniline	329	U
108-95-2	phenol	2340	
111-44-4	bis(2-chloroethyl)ether	329	U
95-57-8	2-chlorophenol	2270	
541-73-1	1,3-dichlorobenzene	329	U
106-46-7	1,4-dichlorobenzene	1080	
100-51-6	benzyl alcohol	329	U
95-50-1	1,2-dichlorobenzene	329	U
98-86-2	acetophenone	329	U
621-64-7	N-nitroso-di-n-propylamine	1300	
78-59-1	isophorone	329	U
88-75-5	2-nitrophenol	329	U
105-67-9	2,4-dimethylphenol	329	U
111-91-1	bis(2-chloroethoxy)methane	329	U
120-83-2	2,4-dichlorophenol	329	U
120-82-1	1,2,4-trichlorobenzene	1350	
91-20-3	naphthalene	329	U
106-47-8	4-chloroaniline	329	U
59-50-7	4-chloro-3-methylphenol	2990	
91-57-6	2-methylnaphthalene	329	U
77-47-4	hexachlorocyclopentadiene	329	U
91-58-7	2-chloronaphthalene	329	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397323

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R511

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	329	U
131-11-3	dimethylphthalate	329	U
209-96-8	acenaphthylene	329	U
606-20-2	2,6-dinitrotoluene	329	U
99-09-2	3-nitroaniline	329	U
83-32-9	acenaphthene	1260	
51-28-5	2,4-dinitrophenol	657	U
132-64-9	dibenzofuran	329	U
100-02-7	4-nitrophenol	1890	
84-66-2	diethylphthalate	329	U
7005-72-3	4-chlorophenylphenylether	329	U
86-73-7	fluorene	329	U
100-01-6	4-nitroaniline	329	U
534-52-1	4,6-dinitro-2-methylphenol	329	U
86-30-6	N-nitroso-diphenylamine	329	U
101-55-3	4-bromophenylphenylether	329	U
85-01-8	phenanthrene	329	U
120-12-7	anthracene	329	U
84-74-2	di-n-butylphthalate	329	U
206-44-0	fluoranthene	329	U
129-00-0	pyrene	1910	
85-68-7	butylbenzylphthalate	329	U
91-94-1	3,3'-dichlorobenzidine	1640	U
56-55-3	benzo(a)anthracene	329	U
218-01-9	chrysene	329	U
117-81-7	bis(2-ethylhexyl)phthalate	329	U
117-84-0	di-n-octylphthalate	329	U
205-99-2	benzo(b)fluoranthene	329	U
207-08-9	benzo(k)fluoranthene	329	U
50-32-8	benzo(a)pyrene	329	U
193-39-5	indeno(1,2,3-cd)pyrene	329	U
53-70-3	dibenz(a,h)anthracene	329	U
191-24-2	benzo(g,h,i)perylene	329	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397323

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R511

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	329	U
123-91-1	1,4-dioxane	329	U
80-62-6	methyl methacrylate	329	U
97-63-2	ethyl methacrylate	329	U
109-06-8	2-picoline	329	U
10595-95-6	n-nitrosomethylethylamine	329	U
66-27-3	methyl methanesulfonate	329	U
55-18-5	n-nitrosodiethylamine	329	U
62-50-0	ethyl methanesulfonate	329	U
76-01-7	pentachloroethane	329	U
930-55-2	n-nitrosopyrrolidine	329	U
59-89-2	n-nitrosomorpholine	329	U
95-53-4	o-toluidine	329	U
100-75-4	n-nitrosopiperdine	329	U
122-09-8	a,a-dimethylphenethylamine	329	U
126-68-1	triethylphosphorothioate	329	U
87-65-0	2,6-dichlorophenol	329	U
1888-71-7	hexachloropropene	329	U
106-50-3	p-phenylenediamine	657	U
924-16-3	n-nitroso-di-n-butylamine	329	U
94-59-7	safrole	329	U
634-90-2	1,2,4,5-tetrachlorobenzene	329	U
120-58-1	isosafrole	329	U
130-15-4	1,4-naphthoquinone	329	U
99-65-0	m-dinitrobenzene	329	U
608-93-5	pentachlorobenzene	329	U
134-32-7	1-naphthylamine	329	U
91-59-8	2-naphthylamine	329	U
58-90-2	2,3,4,6-tetrachlorophenol	329	U
99-55-8	5-nitro-o-toluidine	329	U
297-97-2	thionazine	329	U
122-39-4	diphenylamine	329	U
3689-24-5	sulfotepp	329	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397323

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R511

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1640	U
62-44-2	phenacetin	329	U
2303-16-4	diallate	329	U
60-51-5	dimethoate	1640	U
92-67-1	4-aminobiphenyl	329	U
82-68-8	pentachloronitrobenzene	329	U
23950-58-5	pronamide	329	U
88-85-7	dinoseb	329	U
298-04-4	disulfoton	329	U
56-57-5	4-nitroquinoline-1-oxide	329	U
135-23-9	methapyrilene	1640	U
465-73-6	isodrin	329	U
140-57-8	aramite	329	U
143-50-0	kepone	329	U
60-11-7	p-(dimethylamino)azobenzene	329	U
510-15-6	chlorobenzilate	1640	U
119-93-7	3,3'-dimethylbenzidine	1640	U
52-85-7	famphur	329	U
53-96-3	2-acetylaminofluorene	329	U
57-97-6	7,12-dimethylbenz(a)anthrace	329	U
59-49-5	3-methylcholanthrene	329	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397324

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R512

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/01/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	326	U
95-48-7	2-methylphenol	326	U
106-44-5	4-methylphenol	326	U
67-72-1	hexachloroethane	326	U
98-95-3	nitrobenzene	326	U
87-68-3	hexachlorobutadiene	326	U
88-06-2	2,4,6-trichlorophenol	326	U
95-95-4	2,4,5-trichlorophenol	326	U
121-14-2	2,4-dinitrotoluene	1210	
118-74-1	hexachlorobenzene	326	U
87-86-5	pentachlorophenol	2540	
62-53-3	aniline	326	U
108-95-2	phenol	2310	
111-44-4	bis(2-chloroethyl)ether	326	U
95-57-8	2-chlorophenol	2290	
541-73-1	1,3-dichlorobenzene	326	U
106-46-7	1,4-dichlorobenzene	1110	
100-51-6	benzyl alcohol	326	U
95-50-1	1,2-dichlorobenzene	326	U
98-86-2	acetophenone	326	U
621-64-7	N-nitroso-di-n-propylamine	1320	
78-59-1	isophorone	326	U
88-75-5	2-nitrophenol	326	U
105-67-9	2,4-dimethylphenol	326	U
111-91-1	bis(2-chloroethoxy)methane	326	U
120-83-2	2,4-dichlorophenol	326	U
120-82-1	1,2,4-trichlorobenzene	1310	
91-20-3	naphthalene	326	U
106-47-8	4-chloroaniline	326	U
59-50-7	4-chloro-3-methylphenol	2860	
91-57-6	2-methylnaphthalene	326	U
77-47-4	hexachlorocyclopentadiene	326	U
91-58-7	2-chloronaphthalene	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397324

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R512

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	326	U
131-11-3	dimethylphthalate	326	U
209-96-8	acenaphthylene	326	U
606-20-2	2,6-dinitrotoluene	326	U
99-09-2	3-nitroaniline	326	U
83-32-9	acenaphthene	1290	
51-28-5	2,4-dinitrophenol	653	U
132-64-9	dibenzofuran	326	U
100-02-7	4-nitrophenol	1790	
84-66-2	diethylphthalate	326	U
7005-72-3	4-chlorophenylphenylether	326	U
86-73-7	fluorene	326	U
100-01-6	4-nitroaniline	326	U
534-52-1	4,6-dinitro-2-methylphenol	326	U
86-30-6	N-nitroso-diphenylamine	326	U
101-55-3	4-bromophenylphenylether	326	U
85-01-8	phenanthrene	326	U
120-12-7	anthracene	326	U
84-74-2	di-n-butylphthalate	326	U
206-44-0	fluoranthene	326	U
129-00-0	pyrene	1870	
85-68-7	butylbenzylphthalate	326	U
91-94-1	3,3'-dichlorobenzidine	1630	U
56-55-3	benzo(a)anthracene	326	U
218-01-9	chrysene	326	U
117-81-7	bis(2-ethylhexyl)phthalate	326	U
117-84-0	di-n-octylphthalate	326	U
205-99-2	benzo(b)fluoranthene	326	U
207-08-9	benzo(k)fluoranthene	326	U
50-32-8	benzo(a)pyrene	326	U
193-39-5	indeno(1,2,3-cd)pyrene	326	U
53-70-3	dibenz(a,h)anthracene	326	U
191-24-2	benzo(g,h,i)perylene	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397324

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R512

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	326	U
123-91-1	1,4-dioxane	326	U
80-62-6	methyl methacrylate	326	U
97-63-2	ethyl methacrylate	326	U
109-06-8	2-picoline	326	U
10595-95-6	n-nitrosomethylethylamine	326	U
66-27-3	methyl methanesulfonate	326	U
55-18-5	n-nitrosodiethylamine	326	U
62-50-0	ethyl methanesulfonate	326	U
76-01-7	pentachloroethane	326	U
930-55-2	n-nitrosopyrrolidine	326	U
59-89-2	n-nitrosomorpholine	326	U
95-53-4	o-toluidine	326	U
100-75-4	n-nitrosopiperdine	326	U
122-09-8	a,a-dimethylphenethylamine	326	U
126-68-1	triethylphosphorothioate	326	U
87-65-0	2,6-dichlorophenol	326	U
1888-71-7	hexachloropropene	326	U
106-50-3	p-phenylenediamine	653	U
924-16-3	n-nitroso-di-n-butylamine	326	U
94-59-7	safrole	326	U
634-90-2	1,2,4,5-tetrachlorobenzene	326	U
120-58-1	isosafrole	326	U
130-15-4	1,4-naphthoquinone	326	U
99-65-0	m-dinitrobenzene	326	U
608-93-5	pentachlorobenzene	326	U
134-32-7	1-naphthylamine	326	U
91-59-8	2-naphthylamine	326	U
58-90-2	2,3,4,6-tetrachlorophenol	326	U
99-55-8	5-nitro-o-toluidine	326	U
297-97-2	thionazine	326	U
122-39-4	diphenylamine	326	U
3689-24-5	sulfotepp	326	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC397324

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R512

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	1630	U
62-44-2	phenacetin	326	U
2303-16-4	diallate	326	U
60-51-5	dimethoate	1630	U
92-67-1	4-aminobiphenyl	326	U
82-68-8	pentachloronitrobenzene	326	U
23950-58-5	pronamide	326	U
88-85-7	dinoseb	326	U
298-04-4	disulfoton	326	U
56-57-5	4-nitroquinoline-1-oxide	326	U
135-23-9	methapyrilene	1630	U
465-73-6	isodrin	326	U
140-57-8	aramite	326	U
143-50-0	kepone	326	U
60-11-7	p-(dimethylamino)azobenzene	326	U
510-15-6	chlorobenzilate	1630	U
119-93-7	3,3'-dimethylbenzidine	1630	U
52-85-7	famphur	326	U
53-96-3	2-acetylaminofluorene	326	U
57-97-6	7,12-dimethylbenz(a)anthrace	326	U
59-49-5	3-methylcholanthrene	326	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R516

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2720	U
95-48-7	2-methylphenol	2720	U
106-44-5	4-methylphenol	2720	U
67-72-1	hexachloroethane	2720	U
98-95-3	nitrobenzene	2720	U
87-68-3	hexachlorobutadiene	2720	U
88-06-2	2,4,6-trichlorophenol	2720	U
95-95-4	2,4,5-trichlorophenol	2720	U
121-14-2	2,4-dinitrotoluene	2720	U
118-74-1	hexachlorobenzene	2720	U
87-86-5	pentachlorophenol	2720	U
62-53-3	aniline	2720	U
108-95-2	phenol	2720	U
111-44-4	bis(2-chloroethyl)ether	2720	U
95-57-8	2-chlorophenol	2720	U
541-73-1	1,3-dichlorobenzene	2720	U
106-46-7	1,4-dichlorobenzene	2720	U
100-51-6	benzyl alcohol	2720	U
95-50-1	1,2-dichlorobenzene	2720	U
98-86-2	acetophenone	2720	U
621-64-7	N-nitroso-di-n-propylamine	2720	U
78-59-1	isophorone	2720	U
88-75-5	2-nitrophenol	2720	U
105-67-9	2,4-dimethylphenol	2720	U
111-91-1	bis(2-chloroethoxy)methane	2720	U
120-83-2	2,4-dichlorophenol	2720	U
120-82-1	1,2,4-trichlorobenzene	2720	U
91-20-3	naphthalene	2720	U
106-47-8	4-chloroaniline	2720	U
59-50-7	4-chloro-3-methylphenol	2720	U
91-57-6	2-methylnaphthalene	2720	U
77-47-4	hexachlorocyclopentadiene	2720	U
91-58-7	2-chloronaphthalene	2720	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R516

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2720	U
131-11-3	dimethylphthalate	2720	U
209-96-8	acenaphthylene	2720	U
606-20-2	2,6-dinitrotoluene	2720	U
99-09-2	3-nitroaniline	2720	U
83-32-9	acenaphthene	2720	U
51-28-5	2,4-dinitrophenol	5440	U
132-64-9	dibenzofuran	2720	U
100-02-7	4-nitrophenol	5440	U
84-66-2	diethylphthalate	2720	U
7005-72-3	4-chlorophenylphenylether	2720	U
86-73-7	fluorene	2720	U
100-01-6	4-nitroaniline	2720	U
534-52-1	4,6-dinitro-2-methylphenol	2720	U
86-30-6	N-nitroso-diphenylamine	2720	U
101-55-3	4-bromophenylphenylether	2720	U
85-01-8	phenanthrene	2720	U
120-12-7	anthracene	2720	U
84-74-2	di-n-butylphthalate	2720	U
206-44-0	fluoranthene	2720	U
129-00-0	pyrene	2720	U
85-68-7	butylbenzylphthalate	2720	U
91-94-1	3,3'-dichlorobenzidine	13600	U
56-55-3	benzo(a)anthracene	2720	U
218-01-9	chrysene	2720	U
117-81-7	bis(2-ethylhexyl)phthalate	2720	U
117-84-0	di-n-octylphthalate	2720	U
205-99-2	benzo(b)fluoranthene	2720	U
207-08-9	benzo(k)fluoranthene	2720	U
50-32-8	benzo(a)pyrene	2720	U
193-39-5	indeno(1,2,3-cd)pyrene	2720	U
53-70-3	dibenz(a,h)anthracene	2720	U
191-24-2	benzo(g,h,i)perylene	2720	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R516

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	2720	U
123-91-1	1,4-dioxane	2720	U
80-62-6	methyl methacrylate	2720	U
97-63-2	ethyl methacrylate	2720	U
109-06-8	2-picoline	2720	U
10595-95-6	n-nitrosomethylethylamine	2720	U
66-27-3	methyl methanesulfonate	2720	U
55-18-5	n-nitrosodiethylamine	2720	U
62-50-0	ethyl methanesulfonate	2720	U
76-01-7	pentachloroethane	2720	U
930-55-2	n-nitrosopyrrolidine	2720	U
59-89-2	n-nitrosomorpholine	2720	U
95-53-4	o-toluidine	2720	U
100-75-4	n-nitrosopiperdine	2720	U
122-09-8	a,a-dimethylphenethylamine	2720	U
126-68-1	triethylphosphorothioate	2720	U
87-65-0	2,6-dichlorophenol	2720	U
1888-71-7	hexachloropropene	2720	U
106-50-3	p-phenylenediamine	5440	U
924-16-3	n-nitroso-di-n-butylamine	2720	U
94-59-7	safrole	2720	U
634-90-2	1,2,4,5-tetrachlorobenzene	2720	U
120-58-1	isosafrole	2720	U
130-15-4	1,4-naphthoquinone	2720	U
99-65-0	m-dinitrobenzene	2720	U
608-93-5	pentachlorobenzene	2720	U
134-32-7	1-naphthylamine	2720	U
91-59-8	2-naphthylamine	2720	U
58-90-2	2,3,4,6-tetrachlorophenol	2720	U
99-55-8	5-nitro-o-toluidine	2720	U
297-97-2	thionazine	2720	U
122-39-4	diphenylamine	2720	U
3689-24-5	sulfotepp	2720	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-04RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-04

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R516

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	13600	U
62-44-2	phenacetin	2720	U
2303-16-4	diallate	2720	U
60-51-5	dimethoate	13600	U
92-67-1	4-aminobiphenyl	2720	U
82-68-8	pentachloronitrobenzene	2720	U
23950-58-5	pronamide	2720	U
88-85-7	dinoseb	2720	U
298-04-4	disulfoton	2720	U
56-57-5	4-nitroquinoline-1-oxide	2720	U
135-23-9	methapyrilene	13600	U
465-73-6	isodrin	2720	U
140-57-8	aramite	2720	U
143-50-0	kepone	2720	U
60-11-7	p-(dimethylamino)azobenzene	2720	U
510-15-6	chlorobenzilate	13600	U
119-93-7	3,3'-dimethylbenzidine	13600	U
52-85-7	famphur	2720	U
53-96-3	2-acetylaminofluorene	2720	U
57-97-6	7,12-dimethylbenz(a)anthrace	2720	U
59-49-5	3-methylcholanthrene	2720	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R517

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1730	U
95-48-7	2-methylphenol	1730	U
106-44-5	4-methylphenol	1730	U
67-72-1	hexachloroethane	1730	U
98-95-3	nitrobenzene	1730	U
87-68-3	hexachlorobutadiene	1730	U
88-06-2	2,4,6-trichlorophenol	1730	U
95-95-4	2,4,5-trichlorophenol	1730	U
121-14-2	2,4-dinitrotoluene	1730	U
118-74-1	hexachlorobenzene	1730	U
87-86-5	pentachlorophenol	1730	U
62-53-3	aniline	1730	U
108-95-2	phenol	1730	U
111-44-4	bis(2-chloroethyl)ether	1730	U
95-57-8	2-chlorophenol	1730	U
541-73-1	1,3-dichlorobenzene	1730	U
106-46-7	1,4-dichlorobenzene	1730	U
100-51-6	benzyl alcohol	1730	U
95-50-1	1,2-dichlorobenzene	1730	U
98-86-2	acetophenone	1730	U
621-64-7	N-nitroso-di-n-propylamine	1730	U
78-59-1	isophorone	1730	U
88-75-5	2-nitrophenol	1730	U
105-67-9	2,4-dimethylphenol	1730	U
111-91-1	bis(2-chloroethoxy)methane	1730	U
120-83-2	2,4-dichlorophenol	1730	U
120-82-1	1,2,4-trichlorobenzene	1730	U
91-20-3	naphthalene	1730	U
106-47-8	4-chloroaniline	1730	U
59-50-7	4-chloro-3-methylphenol	1730	U
91-57-6	2-methylnaphthalene	1730	U
77-47-4	hexachlorocyclopentadiene	1730	U
91-58-7	2-chloronaphthalene	1730	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R517

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1730	U
131-11-3	dimethylphthalate	1730	U
209-96-8	acenaphthylene	1730	U
606-20-2	2,6-dinitrotoluene	1730	U
99-09-2	3-nitroaniline	1730	U
83-32-9	acenaphthene	1730	U
51-28-5	2,4-dinitrophenol	3460	U
132-64-9	dibenzofuran	1730	U
100-02-7	4-nitrophenol	3460	U
84-66-2	diethylphthalate	1730	U
7005-72-3	4-chlorophenylphenylether	1730	U
86-73-7	fluorene	1730	U
100-01-6	4-nitroaniline	1730	U
534-52-1	4,6-dinitro-2-methylphenol	1730	U
86-30-6	N-nitroso-diphenylamine	1730	U
101-55-3	4-bromophenylphenylether	1730	U
85-01-8	phenanthrene	1930	
120-12-7	anthracene	1730	U
84-74-2	di-n-butylphthalate	1730	U
206-44-0	fluoranthene	3500	
129-00-0	pyrene	4460	
85-68-7	butylbenzylphthalate	1730	U
91-94-1	3,3'-dichlorobenzidine	8640	U
56-55-3	benzo(a)anthracene	2430	
218-01-9	chrysene	2950	
117-81-7	bis(2-ethylhexyl)phthalate	1570	J
117-84-0	di-n-octylphthalate	1730	U
205-99-2	benzo(b)fluoranthene	4090	
207-08-9	benzo(k)fluoranthene	1730	U
50-32-8	benzo(a)pyrene	2240	
193-39-5	indeno(1,2,3-cd)pyrene	1140	J
53-70-3	dibenz(a,h)anthracene	1730	U
191-24-2	benzo(g,h,i)perylene	1070	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R517

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	1730	U
123-91-1	1,4-dioxane	1730	U
80-62-6	methyl methacrylate	1730	U
97-63-2	ethyl methacrylate	1730	U
109-06-8	2-picoline	1730	U
10595-95-6	n-nitrosomethylethylamine	1730	U
66-27-3	methyl methanesulfonate	1730	U
55-18-5	n-nitrosodiethylamine	1730	U
62-50-0	ethyl methanesulfonate	1730	U
76-01-7	pentachloroethane	1730	U
930-55-2	n-nitrosopyrrolidine	1730	U
59-89-2	n-nitrosomorpholine	1730	U
95-53-4	o-toluidine	1730	U
100-75-4	n-nitrosopiperdine	1730	U
122-09-8	a,a-dimethylphenethylamine	1730	U
126-68-1	triethylphosphorothioate	1730	U
87-65-0	2,6-dichlorophenol	1730	U
1888-71-7	hexachloropropene	1730	U
106-50-3	p-phenylenediamine	3460	U
924-16-3	n-nitroso-di-n-butylamine	1730	U
94-59-7	safrole	1730	U
634-90-2	1,2,4,5-tetrachlorobenzene	1730	U
120-58-1	isosafrole	1730	U
130-15-4	1,4-naphthoquinone	1730	U
99-65-0	m-dinitrobenzene	1730	U
608-93-5	pentachlorobenzene	1730	U
134-32-7	1-naphthylamine	1730	U
91-59-8	2-naphthylamine	1730	U
58-90-2	2,3,4,6-tetrachlorophenol	1730	U
99-55-8	5-nitro-o-toluidine	1730	U
297-97-2	thionazine	1730	U
122-39-4	diphenylamine	1730	U
3689-24-5	sulfotepp	1730	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-06RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-05

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R517

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 81 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	8640	U
62-44-2	phenacetin	1730	U
2303-16-4	diallate	1730	U
60-51-5	dimethoate	8640	U
92-67-1	4-aminobiphenyl	1730	U
82-68-8	pentachloronitrobenzene	1730	U
23950-58-5	pronamide	1730	U
88-85-7	dinoseb	1730	U
298-04-4	disulfoton	1730	U
56-57-5	4-nitroquinoline-1-oxide	1730	U
135-23-9	methapyrilene	8640	U
465-73-6	isodrin	1730	U
140-57-8	aramite	1730	U
143-50-0	kepone	1730	U
60-11-7	p-(dimethylamino)azobenzene	1730	U
510-15-6	chlorobenzilate	8640	U
119-93-7	3,3'-dimethylbenzidine	8640	U
52-85-7	famphur	1730	U
53-96-3	2-acetylaminofluorene	1730	U
57-97-6	7,12-dimethylbenz(a)anthrace	1730	U
59-49-5	3-methylcholanthrene	1730	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSSRE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4R520

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	1140	U
95-48-7	2-methylphenol	1140	U
106-44-5	4-methylphenol	1140	U
67-72-1	hexachloroethane	1140	U
98-95-3	nitrobenzene	1140	U
87-68-3	hexachlorobutadiene	1140	U
88-06-2	2,4,6-trichlorophenol	1140	U
95-95-4	2,4,5-trichlorophenol	1140	U
121-14-2	2,4-dinitrotoluene	1140	U
118-74-1	hexachlorobenzene	1140	U
87-86-5	pentachlorophenol	1140	U
62-53-3	aniline	1140	U
108-95-2	phenol	1140	U
111-44-4	bis(2-chloroethyl)ether	1140	U
95-57-8	2-chlorophenol	1140	U
541-73-1	1,3-dichlorobenzene	1140	U
106-46-7	1,4-dichlorobenzene	1140	U
100-51-6	benzyl alcohol	1140	U
95-50-1	1,2-dichlorobenzene	1140	U
98-86-2	acetophenone	1140	U
621-64-7	N-nitroso-di-n-propylamine	1140	U
78-59-1	isophorone	1140	U
88-75-5	2-nitrophenol	1140	U
105-67-9	2,4-dimethylphenol	1140	U
111-91-1	bis(2-chloroethoxy)methane	1140	U
120-83-2	2,4-dichlorophenol	1140	U
120-82-1	1,2,4-trichlorobenzene	1140	U
91-20-3	naphthalene	1140	U
106-47-8	4-chloroaniline	1140	U
59-50-7	4-chloro-3-methylphenol	1140	U
91-57-6	2-methylnaphthalene	1140	U
77-47-4	hexachlorocyclopentadiene	1140	U
91-58-7	2-chloronaphthalene	1140	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSSRE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4R520

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	1140	U
131-11-3	dimethylphthalate	1140	U
209-96-8	acenaphthylene	1140	U
606-20-2	2,6-dinitrotoluene	1140	U
99-09-2	3-nitroaniline	1140	U
83-32-9	acenaphthene	1140	U
51-28-5	2,4-dinitrophenol	2280	U
132-64-9	dibenzofuran	1140	U
100-02-7	4-nitrophenol	2280	U
84-66-2	diethylphthalate	1140	U
7005-72-3	4-chlorophenylphenylether	1140	U
86-73-7	fluorene	1140	U
100-01-6	4-nitroaniline	1140	U
534-52-1	4,6-dinitro-2-methylphenol	1140	U
86-30-6	N-nitroso-diphenylamine	1140	U
101-55-3	4-bromophenylphenylether	1140	U
85-01-8	phenanthrene	1140	U
120-12-7	anthracene	1140	U
84-74-2	di-n-butylphthalate	1140	U
206-44-0	fluoranthene	1140	U
129-00-0	pyrene	1140	U
85-68-7	butylbenzylphthalate	1140	U
91-94-1	3,3'-dichlorobenzidine	5700	U
56-55-3	benzo(a)anthracene	1140	U
218-01-9	chrysene	1140	U
117-81-7	bis(2-ethylhexyl)phthalate	1140	U
117-84-0	di-n-octylphthalate	1140	U
205-99-2	benzo(b)fluoranthene	1140	U
207-08-9	benzo(k)fluoranthene	1140	U
50-32-8	benzo(a)pyrene	1140	U
193-39-5	indeno(1,2,3-cd)pyrene	1140	U
53-70-3	dibenz(a,h)anthracene	1140	U
191-24-2	benzo(g,h,i)perylene	1140	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSSRE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4R520

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	1140	U
123-91-1	1,4-dioxane	1140	U
80-62-6	methyl methacrylate	1140	U
97-63-2	ethyl methacrylate	1140	U
109-06-8	2-picoline	1140	U
10595-95-6	n-nitrosomethylethylamine	1140	U
66-27-3	methyl methanesulfonate	1140	U
55-18-5	n-nitrosodiethylamine	1140	U
62-50-0	ethyl methanesulfonate	1140	U
76-01-7	pentachloroethane	1140	U
930-55-2	n-nitrosopyrrolidine	1140	U
59-89-2	n-nitrosomorpholine	1140	U
95-53-4	o-toluidine	1140	U
100-75-4	n-nitrosopiperdine	1140	U
122-09-8	a,a-dimethylphenethylamine	1140	U
126-68-1	triethylphosphorothioate	1140	U
87-65-0	2,6-dichlorophenol	1140	U
1888-71-7	hexachloropropene	1140	U
106-50-3	p-phenylenediamine	2280	U
924-16-3	n-nitroso-di-n-butylamine	1140	U
94-59-7	safrole	1140	U
634-90-2	1,2,4,5-tetrachlorobenzene	1140	U
120-58-1	isosafrole	1140	U
130-15-4	1,4-naphthoquinone	1140	U
99-65-0	m-dinitrobenzene	1140	U
608-93-5	pentachlorobenzene	1140	U
134-32-7	1-naphthylamine	1140	U
91-59-8	2-naphthylamine	1140	U
58-90-2	2,3,4,6-tetrachlorophenol	1140	U
99-55-8	5-nitro-o-toluidine	1140	U
297-97-2	thionazine	1140	U
122-39-4	diphenylamine	1140	U
3689-24-5	sulfotepp	1140	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSSRE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4R520

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 71 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	5700	U
62-44-2	phenacetin	1140	U
2303-16-4	diallate	1140	U
60-51-5	dimethoate	5700	U
92-67-1	4-aminobiphenyl	1140	U
82-68-8	pentachloronitrobenzene	1140	U
23950-58-5	pronamide	1140	U
88-85-7	dinoseb	1140	U
298-04-4	disulfoton	1140	U
56-57-5	4-nitroquinoline-1-oxide	1140	U
135-23-9	methapyrilene	5700	U
465-73-6	isodrin	1140	U
140-57-8	aramite	1140	U
143-50-0	kepone	1140	U
60-11-7	p-(dimethylamino)azobenzene	1140	U
510-15-6	chlorobenzilate	5700	U
119-93-7	3,3'-dimethylbenzidine	5700	U
52-85-7	famphur	1140	U
53-96-3	2-acetylaminofluorene	1140	U
57-97-6	7,12-dimethylbenz(a)anthrace	1140	U
59-49-5	3-methylcholanthrene	1140	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 31.0 (g/mL) g Lab File ID: 4R519

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	10800	U
95-48-7	2-methylphenol	10800	U
106-44-5	4-methylphenol	10800	U
67-72-1	hexachloroethane	10800	U
98-95-3	nitrobenzene	10800	U
87-68-3	hexachlorobutadiene	10800	U
88-06-2	2,4,6-trichlorophenol	10800	U
95-95-4	2,4,5-trichlorophenol	10800	U
121-14-2	2,4-dinitrotoluene	10800	U
118-74-1	hexachlorobenzene	10800	U
87-86-5	pentachlorophenol	10800	U
62-53-3	aniline	10800	U
108-95-2	phenol	10800	U
111-44-4	bis(2-chloroethyl)ether	10800	U
95-57-8	2-chlorophenol	10800	U
541-73-1	1,3-dichlorobenzene	10800	U
106-46-7	1,4-dichlorobenzene	10800	U
100-51-6	benzyl alcohol	10800	U
95-50-1	1,2-dichlorobenzene	10800	U
98-86-2	acetophenone	10800	U
621-64-7	N-nitroso-di-n-propylamine	10800	U
78-59-1	isophorone	10800	U
88-75-5	2-nitrophenol	10800	U
105-67-9	2,4-dimethylphenol	10800	U
111-91-1	bis(2-chloroethoxy)methane	10800	U
120-83-2	2,4-dichlorophenol	10800	U
120-82-1	1,2,4-trichlorobenzene	10800	U
91-20-3	naphthalene	10800	U
106-47-8	4-chloroaniline	10800	U
59-50-7	4-chloro-3-methylphenol	10800	U
91-57-6	2-methylnaphthalene	10800	U
77-47-4	hexachlorocyclopentadiene	10800	U
91-58-7	2-chloronaphthalene	10800	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 31.0 (g/mL) g Lab File ID: 4R519

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	10800	U
131-11-3	dimethylphthalate	10800	U
209-96-8	acenaphthylene	10800	U
606-20-2	2,6-dinitrotoluene	10800	U
99-09-2	3-nitroaniline	10800	U
83-32-9	acenaphthene	10800	U
51-28-5	2,4-dinitrophenol	21500	U
132-64-9	dibenzofuran	10800	U
100-02-7	4-nitrophenol	21500	U
84-66-2	diethylphthalate	10800	U
7005-72-3	4-chlorophenylphenylether	10800	U
86-73-7	fluorene	10800	U
100-01-6	4-nitroaniline	10800	U
534-52-1	4,6-dinitro-2-methylphenol	10800	U
86-30-6	N-nitroso-diphenylamine	10800	U
101-55-3	4-bromophenylphenylether	10800	U
85-01-8	phenanthrene	10800	U
120-12-7	anthracene	10800	U
84-74-2	di-n-butylphthalate	10800	U
206-44-0	fluoranthene	10800	U
129-00-0	pyrene	10800	U
85-68-7	butylbenzylphthalate	10800	U
91-94-1	3,3'-dichlorobenzidine	53800	U
56-55-3	benzo(a)anthracene	10800	U
218-01-9	chrysene	10800	U
117-81-7	bis(2-ethylhexyl)phthalate	10800	U
117-84-0	di-n-octylphthalate	10800	U
205-99-2	benzo(b)fluoranthene	10800	U
207-08-9	benzo(k)fluoranthene	10800	U
50-32-8	benzo(a)pyrene	10800	U
193-39-5	indeno(1,2,3-cd)pyrene	10800	U
53-70-3	dibenz(a,h)anthracene	10800	U
191-24-2	benzo(g,h,i)perylene	10800	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 31.0 (g/mL) g Lab File ID: 4R519

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	10800	U
123-91-1	1,4-dioxane	10800	U
80-62-6	methyl methacrylate	10800	U
97-63-2	ethyl methacrylate	10800	U
109-06-8	2-picoline	10800	U
10595-95-6	n-nitrosomethylethylamine	10800	U
66-27-3	methyl methanesulfonate	10800	U
55-18-5	n-nitrosodiethylamine	10800	U
62-50-0	ethyl methanesulfonate	10800	U
76-01-7	pentachloroethane	10800	U
930-55-2	n-nitrosopyrrolidine	10800	U
59-89-2	n-nitrosomorpholine	10800	U
95-53-4	o-toluidine	10800	U
100-75-4	n-nitrosopiperdine	10800	U
122-09-8	a,a-dimethylphenethylamine	10800	U
126-68-1	triethylphosphorothioate	10800	U
87-65-0	2,6-dichlorophenol	10800	U
1888-71-7	hexachloropropene	10800	U
106-50-3	p-phenylenediamine	21500	U
924-16-3	n-nitroso-di-n-butylamine	10800	U
94-59-7	safrole	10800	U
634-90-2	1,2,4,5-tetrachlorobenzene	10800	U
120-58-1	isosafrole	10800	U
130-15-4	1,4-naphthoquinone	10800	U
99-65-0	m-dinitrobenzene	10800	U
608-93-5	pentachlorobenzene	10800	U
134-32-7	1-naphthylamine	10800	U
91-59-8	2-naphthylamine	10800	U
58-90-2	2,3,4,6-tetrachlorophenol	10800	U
99-55-8	5-nitro-o-toluidine	10800	U
297-97-2	thionazine	10800	U
122-39-4	diphenylamine	10800	U
3689-24-5	sulfotepp	10800	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-08RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-07

Sample wt/vol: 31.0 (g/mL) g Lab File ID: 4R519

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 88 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/02/96

Injection Volume: 1.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	53800	U
62-44-2	phenacetin	10800	U
2303-16-4	diallate	10800	U
60-51-5	dimethoate	53800	U
92-67-1	4-aminobiphenyl	10800	U
82-68-8	pentachloronitrobenzene	10800	U
23950-58-5	pronamide	10800	U
88-85-7	dinoseb	10800	U
298-04-4	disulfoton	10800	U
56-57-5	4-nitroquinoline-1-oxide	10800	U
135-23-9	methapyrilene	53800	U
465-73-6	isodrin	10800	U
140-57-8	aramite	10800	U
143-50-0	kepone	10800	U
60-11-7	p-(dimethylamino)azobenzene	10800	U
510-15-6	chlorobenzilate	53800	U
119-93-7	3,3'-dimethylbenzidine	53800	U
52-85-7	famphur	10800	U
53-96-3	2-acetylaminofluorene	10800	U
57-97-6	7,12-dimethylbenz(a)anthrace	10800	U
59-49-5	3-methylcholanthrene	10800	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4R518

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	2560	U
95-48-7	2-methylphenol	2560	U
106-44-5	4-methylphenol	2560	U
67-72-1	hexachloroethane	2560	U
98-95-3	nitrobenzene	2560	U
87-68-3	hexachlorobutadiene	2560	U
88-06-2	2,4,6-trichlorophenol	2560	U
95-95-4	2,4,5-trichlorophenol	2560	U
121-14-2	2,4-dinitrotoluene	2560	U
118-74-1	hexachlorobenzene	2560	U
87-86-5	pentachlorophenol	2560	U
62-53-3	aniline	2560	U
108-95-2	phenol	2560	U
111-44-4	bis(2-chloroethyl)ether	2560	U
95-57-8	2-chlorophenol	2560	U
541-73-1	1,3-dichlorobenzene	2560	U
106-46-7	1,4-dichlorobenzene	2560	U
100-51-6	benzyl alcohol	2560	U
95-50-1	1,2-dichlorobenzene	2560	U
98-86-2	acetophenone	2560	U
621-64-7	N-nitroso-di-n-propylamine	2560	U
78-59-1	isophorone	2560	U
88-75-5	2-nitrophenol	2560	U
105-67-9	2,4-dimethylphenol	2560	U
111-91-1	bis(2-chloroethoxy)methane	2560	U
120-83-2	2,4-dichlorophenol	2560	U
120-82-1	1,2,4-trichlorobenzene	2560	U
91-20-3	naphthalene	2560	U
106-47-8	4-chloroaniline	2560	U
59-50-7	4-chloro-3-methylphenol	2560	U
91-57-6	2-methylnaphthalene	2560	U
77-47-4	hexachlorocyclopentadiene	2560	U
91-58-7	2-chloronaphthalene	2560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4R518

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	2560	U
131-11-3	dimethylphthalate	2560	U
209-96-8	acenaphthylene	2560	U
606-20-2	2,6-dinitrotoluene	2560	U
99-09-2	3-nitroaniline	2560	U
83-32-9	acenaphthene	2560	U
51-28-5	2,4-dinitrophenol	5120	U
132-64-9	dibenzofuran	2560	U
100-02-7	4-nitrophenol	5120	U
84-66-2	diethylphthalate	2560	U
7005-72-3	4-chlorophenylphenylether	2560	U
86-73-7	fluorene	2560	U
100-01-6	4-nitroaniline	2560	U
534-52-1	4,6-dinitro-2-methylphenol	2560	U
86-30-6	N-nitroso-diphenylamine	2560	U
101-55-3	4-bromophenylphenylether	2560	U
85-01-8	phenanthrene	2560	U
120-12-7	anthracene	2560	U
84-74-2	di-n-butylphthalate	2560	U
206-44-0	fluoranthene	2560	U
129-00-0	pyrene	2560	U
85-68-7	butylbenzylphthalate	2560	U
91-94-1	3,3'-dichlorobenzidine	12800	U
56-55-3	benzo(a)anthracene	2560	U
218-01-9	chrysene	2560	U
117-81-7	bis(2-ethylhexyl)phthalate	2560	U
117-84-0	di-n-octylphthalate	2560	U
205-99-2	benzo(b)fluoranthene	2560	U
207-08-9	benzo(k)fluoranthene	2560	U
50-32-8	benzo(a)pyrene	2560	U
193-39-5	indeno(1,2,3-cd)pyrene	2560	U
53-70-3	dibenz(a,h)anthracene	2560	U
191-24-2	benzo(g,h,i)perylene	2560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4R518

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	2560	U
123-91-1	1,4-dioxane	2560	U
80-62-6	methyl methacrylate	2560	U
97-63-2	ethyl methacrylate	2560	U
109-06-8	2-picoline	2560	U
10595-95-6	n-nitrosomethylethylamine	2560	U
66-27-3	methyl methanesulfonate	2560	U
55-18-5	n-nitrosodiethylamine	2560	U
62-50-0	ethyl methanesulfonate	2560	U
76-01-7	pentachloroethane	2560	U
930-55-2	n-nitrosopyrrolidine	2560	U
59-89-2	n-nitrosomorpholine	2560	U
95-53-4	o-toluidine	2560	U
100-75-4	n-nitrosopiperdine	2560	U
122-09-8	a,a-dimethylphenethylamine	2560	U
126-68-1	triethylphosphorothioate	2560	U
87-65-0	2,6-dichlorophenol	2560	U
1888-71-7	hexachloropropene	2560	U
106-50-3	p-phenylenediamine	5120	U
924-16-3	n-nitroso-di-n-butylamine	2560	U
94-59-7	safrole	2560	U
634-90-2	1,2,4,5-tetrachlorobenzene	2560	U
120-58-1	isosafrole	2560	U
130-15-4	1,4-naphthoquinone	2560	U
99-65-0	m-dinitrobenzene	2560	U
608-93-5	pentachlorobenzene	2560	U
134-32-7	1-naphthylamine	2560	U
91-59-8	2-naphthylamine	2560	U
58-90-2	2,3,4,6-tetrachlorophenol	2560	U
99-55-8	5-nitro-o-toluidine	2560	U
297-97-2	thionazine	2560	U
122-39-4	diphenylamine	2560	U
3689-24-5	sulfotepp	2560	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-07RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4R518

Level: (low/med) LOW Date Received: 10/03/96

% Moisture: 87 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	12800	U
62-44-2	phenacetin	2560	U
2303-16-4	diallate	2560	U
60-51-5	dimethoate	12800	U
92-67-1	4-aminobiphenyl	2560	U
82-68-8	pentachloronitrobenzene	2560	U
23950-58-5	pronamide	2560	U
88-85-7	dinoseb	2560	U
298-04-4	disulfoton	2560	U
56-57-5	4-nitroquinoline-1-oxide	2560	U
135-23-9	methapyrilene	12800	U
465-73-6	isodrin	2560	U
140-57-8	aramite	2560	U
143-50-0	kepone	2560	U
60-11-7	p-(dimethylamino)azobenzene	2560	U
510-15-6	chlorobenzilate	12800	U
119-93-7	3,3'-dimethylbenzidine	12800	U
52-85-7	famphur	2560	U
53-96-3	2-acetylaminofluorene	2560	U
57-97-6	7,12-dimethylbenz(a)anthrace	2560	U
59-49-5	3-methylcholanthrene	2560	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4R521

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: 33 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
110-86-1	pyridine	486	U
95-48-7	2-methylphenol	486	U
106-44-5	4-methylphenol	486	U
67-72-1	hexachloroethane	486	U
98-95-3	nitrobenzene	486	U
87-68-3	hexachlorobutadiene	486	U
88-06-2	2,4,6-trichlorophenol	486	U
95-95-4	2,4,5-trichlorophenol	486	U
121-14-2	2,4-dinitrotoluene	486	U
118-74-1	hexachlorobenzene	486	U
87-86-5	pentachlorophenol	486	U
62-53-3	aniline	486	U
108-95-2	phenol	486	U
111-44-4	bis(2-chloroethyl)ether	486	U
95-57-8	2-chlorophenol	486	U
541-73-1	1,3-dichlorobenzene	486	U
106-46-7	1,4-dichlorobenzene	486	U
100-51-6	benzyl alcohol	486	U
95-50-1	1,2-dichlorobenzene	486	U
98-86-2	acetophenone	486	U
621-64-7	N-nitroso-di-n-propylamine	486	U
78-59-1	isophorone	486	U
88-75-5	2-nitrophenol	486	U
105-67-9	2,4-dimethylphenol	486	U
111-91-1	bis(2-chloroethoxy)methane	486	U
120-83-2	2,4-dichlorophenol	486	U
120-82-1	1,2,4-trichlorobenzene	486	U
91-20-3	naphthalene	486	U
106-47-8	4-chloroaniline	486	U
59-50-7	4-chloro-3-methylphenol	486	U
91-57-6	2-methylnaphthalene	486	U
77-47-4	hexachlorocyclopentadiene	486	U
91-58-7	2-chloronaphthalene	486	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4R521

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: 33 decanted: (Y/N) N Date Extracted:10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
88-74-4	2-nitroaniline	486	U
131-11-3	dimethylphthalate	486	U
209-96-8	acenaphthylene	486	U
606-20-2	2,6-dinitrotoluene	486	U
99-09-2	3-nitroaniline	486	U
83-32-9	acenaphthene	486	U
51-28-5	2,4-dinitrophenol	973	U
132-64-9	dibenzofuran	486	U
100-02-7	4-nitrophenol	973	U
84-66-2	diethylphthalate	486	U
7005-72-3	4-chlorophenylphenylether	486	U
86-73-7	fluorene	486	U
100-01-6	4-nitroaniline	486	U
534-52-1	4,6-dinitro-2-methylphenol	486	U
86-30-6	N-nitroso-diphenylamine	486	U
101-55-3	4-bromophenylphenylether	486	U
85-01-8	phenanthrene	486	U
120-12-7	anthracene	486	U
84-74-2	di-n-butylphthalate	486	U
206-44-0	fluoranthene	486	U
129-00-0	pyrene	486	U
85-68-7	butylbenzylphthalate	486	U
91-94-1	3,3'-dichlorobenzidine	2430	U
56-55-3	benzo(a)anthracene	486	U
218-01-9	chrysene	486	U
117-81-7	bis(2-ethylhexyl)phthalate	486	U
117-84-0	di-n-octylphthalate	486	U
205-99-2	benzo(b)fluoranthene	486	U
207-08-9	benzo(k)fluoranthene	486	U
50-32-8	benzo(a)pyrene	486	U
193-39-5	indeno(1,2,3-cd)pyrene	486	U
53-70-3	dibenz(a,h)anthracene	486	U
191-24-2	benzo(g,h,i)perylene	486	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1RE0

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4R521

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: 33 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
62-75-9	N-methyl-N-nitrosomethylamin	486	U
123-91-1	1,4-dioxane	486	U
80-62-6	methyl methacrylate	486	U
97-63-2	ethyl methacrylate	486	U
109-06-8	2-picoline	486	U
10595-95-6	n-nitrosomethylethylamine	486	U
66-27-3	methyl methanesulfonate	486	U
55-18-5	n-nitrosodiethylamine	486	U
62-50-0	ethyl methanesulfonate	486	U
76-01-7	pentachloroethane	486	U
930-55-2	n-nitrosopyrrolidine	486	U
59-89-2	n-nitrosomorpholine	486	U
95-53-4	o-toluidine	486	U
100-75-4	n-nitrosopiperdine	486	U
122-09-8	a,a-dimethylphenethylamine	486	U
126-68-1	triethylphosphorothioate	486	U
87-65-0	2,6-dichlorophenol	486	U
1888-71-7	hexachloropropene	486	U
106-50-3	p-phenylenediamine	973	U
924-16-3	n-nitroso-di-n-butylamine	486	U
94-59-7	safrole	486	U
634-90-2	1,2,4,5-tetrachlorobenzene	486	U
120-58-1	isosafrole	486	U
130-15-4	1,4-naphthoquinone	486	U
99-65-0	m-dinitrobenzene	486	U
608-93-5	pentachlorobenzene	486	U
134-32-7	1-naphthylamine	486	U
91-59-8	2-naphthylamine	486	U
58-90-2	2,3,4,6-tetrachlorophenol	486	U
99-55-8	5-nitro-o-toluidine	486	U
297-97-2	thionazine	486	U
122-39-4	diphenylamine	486	U
3689-24-5	sulfotepp	486	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1RE0

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4R521

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: 33 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/02/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
99-35-4	1,3,5-trinitrobenzene	2430	U
62-44-2	phenacetin	486	U
2303-16-4	diallate	486	U
60-51-5	dimethoate	2430	U
92-67-1	4-aminobiphenyl	486	U
82-68-8	pentachloronitrobenzene	486	U
23950-58-5	pronamide	486	U
88-85-7	dinoseb	486	U
298-04-4	disulfoton	486	U
56-57-5	4-nitroquinoline-1-oxide	486	U
135-23-9	methapyrilene	2430	U
465-73-6	isodrin	486	U
140-57-8	aramite	486	U
143-50-0	kepone	486	U
60-11-7	p-(dimethylamino)azobenzene	486	U
510-15-6	chlorobenzilate	2430	U
119-93-7	3,3'-dimethylbenzidine	2430	U
52-85-7	famphur	486	U
53-96-3	2-acetylaminofluorene	486	U
57-97-6	7,12-dimethylbenz(a)anthrace	486	U
59-49-5	3-methylcholanthrene	486	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 6A055S
Volatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Volatile Organic Compounds by SW-846 Method 8240:

Sample Description	Laboratory Identification
S4SB-1	9610055-15
Blank	QC394565
Laboratory Control Sample (LCS)	QC394568
S4SB-1 Matrix Spike (MS)	QC394566
S4SB-1 Matrix Spike Duplicate (MSD)	QC394567

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Bromofluorobenzene.

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses for the compounds of interest.

Holding Times

The samples were analyzed within the technical holding times.

Surrogate Analysis

The samples met surrogate recovery criteria.

Internal Standards

Samples S4SB-1 and QC394566 did not meet the internal standard recovery for 1,4-dichlorobenzene-d5, due to matrix interference. The MSD did not meet acceptance limits for any of the internal standards.

Blank Analysis

Methylene Chloride and toluene were detected in the blank at levels below the PQL. Thus, any samples performed on this day containing concentrations of the aforementioned compounds will be flagged with a "B".

Spike Analysis

The MS and MSD met quality control criteria for recoveries. However, the MSD did not meet relative percent difference (RPD) criteria for iodomethane.

Laboratory Control Samples

The LCS did not meet recovery criteria for 1,1-dichloroethene. The MS can be used to establish accuracy.

Dilutions

The samples were analyzed undiluted.

Additional Comments

The samples were analyzed using a capillary column.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394565

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E403

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 0 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	0.96	J
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.48	J
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394565

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E403

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 0 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	10.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	10.0	U
74-88-4	Iodomethane	2.5	U
75-05-8	Acetonitrile	5.0	U
107-05-1	Allyl Chloride	5.0	U
126-99-8	2-Chloro-1,3-butadiene	1.0	U
126-98-7	Methacrylonitrile	5.0	U
78-83-1	Isobutyl Alcohol	10.0	U
107-12-0	Propionitrile	10.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	5.0	U
106-93-4	1,2-Dibromoethane	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
----------	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	1.0	U
1330-20-7	xylenes (total)	4.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E412

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. 33 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	3.0	U
74-83-9	bromomethane	3.0	U
75-01-4	vinyl chloride	3.0	U
75-00-3	chloroethane	3.0	U
75-09-2	methylene chloride	69.3	B
67-64-1	acetone	69.7	
75-15-0	carbon disulfide	7.5	U
75-35-4	1,1-dichloroethene	3.0	U
75-34-3	1,1-dichloroethane	3.0	U
156-60-5	trans-1,2-dichloroethene	3.0	U
67-66-3	chloroform	3.0	U
107-06-2	1,2-dichloroethane	3.0	U
78-93-3	2-butanone	7.5	U
71-55-6	1,1,1-trichloroethane	3.0	U
56-23-5	carbon tetrachloride	3.0	U
75-27-4	bromodichloromethane	3.0	U
78-87-5	1,2-dichloropropane	3.0	U
10061-01-5	cis-1,3-dichloropropene	3.0	U
79-01-6	trichloroethene	3.0	U
124-48-1	dibromochloromethane	3.0	U
79-00-5	1,1,2-trichloroethane	3.0	U
71-43-2	benzene	3.0	U
10061-02-6	trans-1,3-dichloropropene	3.0	U
75-25-2	bromoform	3.0	U
108-10-1	4-methyl-2-pentanone	7.5	U
591-78-6	2-hexanone	7.5	U
127-18-4	tetrachloroethene	0.48	J
79-34-5	1,1,2,2-tetrachloroethane	3.0	U
108-88-3	toluene	1.5	JB
108-90-7	chlorobenzene	3.0	U
100-41-4	ethylbenzene	3.0	U
100-42-5	styrene	3.0	U
75-71-8	Dichlorodifluoromethane	3.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-15

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E412

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. 33 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	3.0	U
107-13-1	Acrylonitrile	14.9	U
108-05-4	Vinyl Acetate	7.5	U
107-02-8	Acrolein	14.9	U
74-88-4	Iodomethane	3.7	U
75-05-8	Acetonitrile	7.5	U
107-05-1	Allyl Chloride	7.5	U
126-99-8	2-Chloro-1,3-butadiene	1.5	U
126-98-7	Methacrylonitrile	7.5	U
78-83-1	Isobutyl Alcohol	14.9	U
107-12-0	Propionitrile	14.9	U
74-95-3	Dibromomethane	3.0	U
80-62-6	Methyl methacrylate	7.5	U
106-93-4	1,2-Dibromoethane	1.5	U
630-20-6	1,1,1,2-Tetrachloroethane	3.0	U
96-18-4	1,2,3-Trichloropropane	1.5	U
110-57-6	trans-1,4-Dichloro-2-butene	7.5	U
----------	bis(2-Chloro-isopropyl)ether	14.9	U
96-12-8	1,2-dibromo-3-chloropropane	1.5	U
1330-20-7	xylenes (total)	6.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1MSDR1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394567

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E415

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 0 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	26.3	B
67-64-1	acetone	26.9	
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	18.1	
75-34-3	1,1-dichloroethane	19.2	
156-60-5	trans-1,2-dichloroethene	17.2	
67-66-3	chloroform	18.3	
107-06-2	1,2-dichloroethane	19.8	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	19.9	
56-23-5	carbon tetrachloride	19.4	
75-27-4	bromodichloromethane	17.1	
78-87-5	1,2-dichloropropane	18.1	
10061-01-5	cis-1,3-dichloropropene	16.4	
79-01-6	trichloroethene	16.5	
124-48-1	dibromochloromethane	22.2	
79-00-5	1,1,2-trichloroethane	21.9	
71-43-2	benzene	17.4	
10061-02-6	trans-1,3-dichloropropene	23.1	
75-25-2	bromoform	24.9	
108-10-1	4-methyl-2-pentanone	10.4	
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	18.2	
79-34-5	1,1,2,2-tetrachloroethane	23.9	
108-88-3	toluene	21.8	B
108-90-7	chlorobenzene	20.0	
100-41-4	ethylbenzene	26.2	
100-42-5	styrene	18.7	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1MSDR1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394567

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E415

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 0 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	10.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	10.0	U
74-88-4	Iodomethane	2.5	U
75-05-8	Acetonitrile	1.0	J
107-05-1	Allyl Chloride	5.0	U
126-99-8	2-Chloro-1,3-butadiene	16.9	
126-98-7	Methacrylonitrile	5.0	U
78-83-1	Isobutyl Alcohol	10.0	U
107-12-0	Propionitrile	10.0	U
74-95-3	Dibromomethane	17.3	
80-62-6	Methyl methacrylate	5.0	U
106-93-4	1,2-Dibromoethane	22.2	
630-20-6	1,1,1,2-Tetrachloroethane	21.6	
96-18-4	1,2,3-Trichloropropane	17.0	
110-57-6	trans-1,4-Dichloro-2-butene	5.0	U
	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	17.0	
1330-20-7	xylenes (total)	81.4	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394566

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E416

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 33 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	24.0	
74-83-9	bromomethane	25.8	
75-01-4	vinyl chloride	20.5	
75-00-3	chloroethane	23.2	
75-09-2	methylene chloride	20.6	B
67-64-1	acetone	51.8	
75-15-0	carbon disulfide	16.8	
75-35-4	1,1-dichloroethene	20.2	
75-34-3	1,1-dichloroethane	21.2	
156-60-5	trans-1,2-dichloroethene	19.8	
67-66-3	chloroform	20.6	
107-06-2	1,2-dichloroethane	21.1	
78-93-3	2-butanone	29.3	
71-55-6	1,1,1-trichloroethane	22.3	
56-23-5	carbon tetrachloride	22.1	
75-27-4	bromodichloromethane	19.1	
78-87-5	1,2-dichloropropane	19.9	
10061-01-5	cis-1,3-dichloropropene	18.7	
79-01-6	trichloroethene	19.0	
124-48-1	dibromochloromethane	22.4	
79-00-5	1,1,2-trichloroethane	21.4	
71-43-2	benzene	19.7	
10061-02-6	trans-1,3-dichloropropene	23.6	
75-25-2	bromoform	23.8	
108-10-1	4-methyl-2-pentanone	36.3	
591-78-6	2-hexanone	33.6	
127-18-4	tetrachloroethene	25.9	
79-34-5	1,1,2,2-tetrachloroethane	22.7	
108-88-3	toluene	23.2	B
108-90-7	chlorobenzene	21.1	
100-41-4	ethylbenzene	23.3	
100-42-5	styrene	20.0	
75-71-8	Dichlorodifluoromethane	18.0	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1MS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394566

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E416

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 33 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	27.1	
107-13-1	Acrylonitrile	78.4	
108-05-4	Vinyl Acetate	10.2	
107-02-8	Acrolein	53.0	
74-88-4	Iodomethane	8.6	
75-05-8	Acetonitrile	54.1	
107-05-1	Allyl Chloride	11.3	
126-99-8	2-Chloro-1,3-butadiene	1.0	U
126-98-7	Methacrylonitrile	25.4	
78-83-1	Isobutyl Alcohol	112	
107-12-0	Propionitrile	63.6	
74-95-3	Dibromomethane	18.4	
80-62-6	Methyl methacrylate	26.0	
106-93-4	1,2-Dibromoethane	21.1	
630-20-6	1,1,1,2-Tetrachloroethane	22.6	
96-18-4	1,2,3-Trichloropropane	22.2	
110-57-6	trans-1,4-Dichloro-2-butene	52.0	
----------	bis(2-Chloro-isopropyl)ether	81.4	
96-12-8	1,2-dibromo-3-chloropropane	14.7	
1330-20-7	xylenes (total)	70.6	
2037-26-5	toluene-d8	27.2	
460-00-4	bromofluorobenzene	27.3	
1868-53-7	Dibromofluoromethane	22.1	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394567

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E417

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 33 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	26.9	
74-83-9	bromomethane	25.1	
75-01-4	vinyl chloride	21.0	
75-00-3	chloroethane	34.1	
75-09-2	methylene chloride	26.3	B
67-64-1	acetone	51.5	
75-15-0	carbon disulfide	11.6	
75-35-4	1,1-dichloroethene	20.8	
75-34-3	1,1-dichloroethane	22.2	
156-60-5	trans-1,2-dichloroethene	20.2	
67-66-3	chloroform	21.2	
107-06-2	1,2-dichloroethane	21.9	
78-93-3	2-butanone	32.2	
71-55-6	1,1,1-trichloroethane	23.0	
56-23-5	carbon tetrachloride	21.2	
75-27-4	bromodichloromethane	18.8	
78-87-5	1,2-dichloropropane	20.4	
10061-01-5	cis-1,3-dichloropropene	18.3	
79-01-6	trichloroethene	18.3	
124-48-1	dibromochloromethane	24.0	
79-00-5	1,1,2-trichloroethane	24.1	
71-43-2	benzene	19.9	
10061-02-6	trans-1,3-dichloropropene	25.6	
75-25-2	bromoform	28.5	
108-10-1	4-methyl-2-pentanone	42.0	
591-78-6	2-hexanone	38.6	
127-18-4	tetrachloroethene	25.6	
79-34-5	1,1,2,2-tetrachloroethane	27.6	
108-88-3	toluene	25.2	B
108-90-7	chlorobenzene	21.9	
100-41-4	ethylbenzene	23.7	
100-42-5	styrene	19.5	
75-71-8	Dichlorodifluoromethane	19.1	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-1MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394567

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E417

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 33 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	27.1	
107-13-1	Acrylonitrile	82.5	
108-05-4	Vinyl Acetate	8.3	
107-02-8	Acrolein	58.0	
74-88-4	Iodomethane	35.6	
75-05-8	Acetonitrile	52.9	
107-05-1	Allyl Chloride	12.4	
126-99-8	2-Chloro-1,3-butadiene	1.0	U
126-98-7	Methacrylonitrile	28.0	
78-83-1	Isobutyl Alcohol	112	
107-12-0	Propionitrile	66.7	
74-95-3	Dibromomethane	18.8	
80-62-6	Methyl methacrylate	28.0	
106-93-4	1,2-Dibromoethane	23.6	
630-20-6	1,1,1,2-Tetrachloroethane	23.9	
96-18-4	1,2,3-Trichloropropane	26.5	
110-57-6	trans-1,4-Dichloro-2-butene	58.7	
	bis(2-Chloro-isopropyl)ether	102	
96-12-8	1,2-dibromo-3-chloropropane	17.5	
1330-20-7	xylenes (total)	71.7	
2037-26-5	toluene-d8	29.1	
460-00-4	bromofluorobenzene	29.4	
1868-53-7	Dibromofluoromethane	21.9	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394568

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E418

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 0 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
74-87-3	chloromethane	16.7	
74-83-9	bromomethane	17.4	
75-01-4	vinyl chloride	14.3	
75-00-3	chloroethane	19.7	
75-09-2	methylene chloride	6.8	B
67-64-1	acetone	56.9	
75-15-0	carbon disulfide	22.3	
75-35-4	1,1-dichloroethene	16.4	
75-34-3	1,1-dichloroethane	18.2	
156-60-5	trans-1,2-dichloroethene	16.5	
67-66-3	chloroform	18.6	
107-06-2	1,2-dichloroethane	21.1	
78-93-3	2-butanone	34.2	
71-55-6	1,1,1-trichloroethane	19.2	
56-23-5	carbon tetrachloride	18.9	
75-27-4	bromodichloromethane	19.0	
78-87-5	1,2-dichloropropane	18.5	
10061-01-5	cis-1,3-dichloropropene	18.6	
79-01-6	trichloroethene	16.5	
124-48-1	dibromochloromethane	25.3	
79-00-5	1,1,2-trichloroethane	23.3	
71-43-2	benzene	17.2	
10061-02-6	trans-1,3-dichloropropene	25.3	
75-25-2	bromoform	24.2	
108-10-1	4-methyl-2-pentanone	43.4	
591-78-6	2-hexanone	42.7	
127-18-4	tetrachloroethene	19.9	
79-34-5	1,1,2,2-tetrachloroethane	23.2	
108-88-3	toluene	21.2	B
108-90-7	chlorobenzene	21.8	
100-41-4	ethylbenzene	22.8	
100-42-5	styrene	21.7	
75-71-8	Dichlorodifluoromethane	13.8	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: QC394568

Sample wt/vol: 20.0 (g/mL) g Lab File ID: 2E418

Level: (low/med) LOW Date Received: 10/17/96

% Moisture: not dec. 0 Date Analyzed: 10/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(ml) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
75-69-4	Trichlorofluoromethane	20.5	
107-13-1	Acrylonitrile	93.2	
108-05-4	Vinyl Acetate	23.6	
107-02-8	Acrolein	11.5	
74-88-4	Iodomethane	3.1	
75-05-8	Acetonitrile	44.5	
107-05-1	Allyl Chloride	7.3	
126-99-8	2-Chloro-1,3-butadiene	1.0	U
126-98-7	Methacrylonitrile	43.2	
78-83-1	Isobutyl Alcohol	122	
107-12-0	Propionitrile	80.4	
74-95-3	Dibromomethane	19.4	
80-62-6	Methyl methacrylate	26.0	
106-93-4	1,2-Dibromoethane	23.7	
630-20-6	1,1,1,2-Tetrachloroethane	23.4	
96-18-4	1,2,3-Trichloropropane	22.4	
110-57-6	trans-1,4-Dichloro-2-butene	53.9	
	bis(2-Chloro-isopropyl)ether	96.8	
96-12-8	1,2-dibromo-3-chloropropane	19.1	
1330-20-7	xylenes (total)	71.6	
2037-26-5	toluene-d8	25.1	
460-00-4	bromofluorobenzene	24.6	
1868-53-7	Dibromofluoromethane	20.4	

FORM I VOA OLM03.0

METALS DATA

CASE NARRATIVE
SDG 6A055S
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Analysis

Sample Analysis

The following samples were analyzed for TAL Metals by Method ILM03.0 and Cyanide by EPA 335.1:

Sample Description	Laboratory Identification
I7SS-04	9610055-01
I7DPSS	9610055-02
I7SS-01	9610055-03
S7SS-04	9610055-04
S7SS-06	9610055-05
S7SS-07	9610055-06
S7SS-08	9610055-07
S7SS-05	9610055-08
S7DPSS	9610055-09
ABSS-06	9610055-10
ABSS-10	9610055-11
I3SB-1	9610055-12
I3SB-2	9610055-13
S5SB-1	9610055-14
S4SB-1	9610055-15
Blank	QC391839 - Trace QC391975 - Hg
Laboratory Control Sample (LCS)	QC391842 - Trace QC391978 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC391843- Trace QC391979 - Hg
S7SS-05 Matrix Spike (MS)	QC391841 - Trace QC391976 - Hg
S7SS-05 Duplicate (Dup)	QC391840 - Trace QC391977 - Hg

Instrument Calibration

All initial and continuing instrument calibration criteria established in the methodology were met for the analyses.

Holding Times

All samples were analyzed within the technical holding times.

Blank Analysis

Barium, calcium, chromium, iron, sodium, and zinc were detected in the method blank at levels greater than the instrument detection limit (IDL) and are flagged with a "B". Antimony, beryllium, cyanide, potassium, and thallium were below the negative IDL and are also flagged with a "B".

Spike and Duplicate Analysis

Three "N" flags resulted for sample S7SS-05 from the matrix spike analysis of antimony, thallium, and cyanide. All other analytes met the quality criteria for recovery. The ICP post spike analysis met the recovery criteria for all analytes. One "*" flag resulted from the duplicate analysis of cyanide for sample S7SS-05. All other analytes met the criteria for relative percent difference (RPD).

Laboratory Control Samples

The LCS met the recommended quality control limits for recovery. Two "*" flags resulted from the LCSD analysis of aluminum and iron. All other analytes met the criteria for RPD.

Dilutions

Due to high calcium concentrations, samples I7SS-4, I7DPSS, I7SS-1, ABSS-10, I3SB-1, I3SB-2, S5SB-1, and S4SB-1 were diluted 100 fold.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7SS04

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

atrix (soil/water): SOIL_ Lab Sample ID: 9610055-01

evel (low/med): LOW__ Date Received: 10/02/96

Solids: _54.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	177		*	P
7440360	Antimony	0.72	U	N	P
7440382	Arsenic	1.3	B		P
7440393	Barium	6.3	B		P
7440417	Beryllium	0.04	U		P
7440439	Cadmium	0.08	B		P
7440702	Calcium	32300000			P
7440473	Chromium	3.2	B		P
7440484	Cobalt	0.36	U		P
7440508	Copper	11.3			P
7439896	Iron	235		*	P
7439921	Lead	40.4			P
7439954	Magnesium	3970			P
7439965	Manganese	6.0			P
7439976	Mercury	0.03	U		AV
7440020	Nickel	1.0	B		P
7440097	Potassium	522	B		P
7782492	Selenium	0.72	U		P
7440224	Silver	0.36	U		P
7440235	Sodium	10500			P
7440280	Thallium	0.72	U	N	P
7440622	Vanadium	5.9	B		P
7440666	Zinc	0.36	U		P
74908	Cyanide	0.13	U	N*	AS

olor Before: GRAY_____ Clarity Before: _____ Texture: COARSE

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

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EPA SAMPLE NO.

I7DPSS

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

Matrix (soil/water): SOIL_ Lab Sample ID: 9610055-02

Level (low/med): LOW__ Date Received: 10/02/96

Solids: _58.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	272		*	P
7440360	Antimony	0.68	U	N	P
7440382	Arsenic	2.5	B		P
7440393	Barium	6.5	B		P
7440417	Beryllium	0.03	U		P
7440439	Cadmium	0.07	U		P
7440702	Calcium	33300000			P
7440473	Chromium	3.5			P
7440484	Cobalt	0.34	U		P
7440508	Copper	12.1			P
7439896	Iron	385		*	P
7439921	Lead	43.9			P
7439954	Magnesium	3700			P
7439965	Manganese	6.8			P
7439976	Mercury	0.03	B		AV
7440020	Nickel	1.2	B		P
7440097	Potassium	417	B		P
7782492	Selenium	0.68	U		P
7440224	Silver	0.34	U		P
7440235	Sodium	8310			P
7440280	Thallium	0.68	U	N	P
7440622	Vanadium	7.0	B		P
7440666	Zinc	0.34	U		P
74908	Cyanide	0.11	U	N*	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COARSE

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7SS01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

Matrix (soil/water): SOIL_ Lab Sample ID: 9610055-03

Level (low/med): LOW__ Date Received: 10/02/96

% Solids: _56.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	298		*	P
7440360	Antimony	0.71	U	N	P
7440382	Arsenic	2.7	B		P
7440393	Barium	6.4	B		P
7440417	Beryllium	0.04	U		P
7440439	Cadmium	0.07	U		P
7440702	Calcium	30500000			P
7440473	Chromium	4.8			P
7440484	Cobalt	0.36	U		P
7440508	Copper	21.5			P
7439896	Iron	2080		*	P
7439921	Lead	12.9			P
7439954	Magnesium	4410			P
7439965	Manganese	13.3			P
7439976	Mercury	0.02	U		AV
7440020	Nickel	1.8	B		P
7440097	Potassium	476	B		P
7782492	Selenium	0.71	U		P
7440224	Silver	0.36	U		P
7440235	Sodium	10400			P
7440280	Thallium	0.71	U	N	P
7440622	Vanadium	6.0	B		P
7440666	Zinc	0.36	U		P
74908	Cyanide	0.11	U	N*	AS

Color Before: GRAY_____ Clarity Before: _____ Texture: COARSE

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

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EPA SAMPLE NO.

S7SS04

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

Matrix (soil/water): SOIL_ Lab Sample ID: 9610055-04

Level (low/med): LOW__ Date Received: 10/03/96

% Solids: _12.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	2070		*	P
7440360	Antimony	3.2	U	N	P
7440382	Arsenic	3.2	U		P
7440393	Barium	9.3	B		P
7440417	Beryllium	0.16	U		P
7440439	Cadmium	2.6	B		P
7440702	Calcium	144000			P
7440473	Chromium	32.3			P
7440484	Cobalt	1.6	U		P
7440508	Copper	79.4			P
7439896	Iron	3740		*	P
7439921	Lead	120			P
7439954	Magnesium	5300	B		P
7439965	Manganese	25.2			P
7439976	Mercury	0.25			AV
7440020	Nickel	9.1	B		P
7440097	Potassium	940	B		P
7782492	Selenium	3.2	U		P
7440224	Silver	6.2	B		P
7440235	Sodium	19000			P
7440280	Thallium	3.2	U	N	P
7440622	Vanadium	14.7	B		P
7440666	Zinc	487			P
74908	Cyanide	0.53	U	N*	AS

Color Before: DK_BROWN_ Clarity Before: _____ Texture: SMOOTH

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

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EPA SAMPLE NO.

S7SS06

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

Matrix (soil/water): SOIL_ Lab Sample ID: 9610055-05

Level (low/med): LOW__ Date Received: 10/03/96

% Solids: _19.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	4330		*	P
7440360	Antimony	2.1	U	N	P
7440382	Arsenic	2.1	U		P
7440393	Barium	13.3	B		P
7440417	Beryllium	0.10	U		P
7440439	Cadmium	2.1	B		P
7440702	Calcium	144000			P
7440473	Chromium	24.0			P
7440484	Cobalt	1.0	U		P
7440508	Copper	127			P
7439896	Iron	3510		*	P
7439921	Lead	209			P
7439954	Magnesium	7200			P
7439965	Manganese	28.8			P
7439976	Mercury	0.41			AV
7440020	Nickel	11.0	B		P
7440097	Potassium	893	B		P
7782492	Selenium	2.1	U		P
7440224	Silver	10.6			P
7440235	Sodium	7070			P
7440280	Thallium	2.1	U	N	P
7440622	Vanadium	16.1	B		P
7440666	Zinc	436			P
74908	Cyanide	0.33	U	N*	AS

Color Before: DK_BROWN_ Clarity Before: _____ Texture: COARSE

Color After: YELLOWISH Clarity After: _____ Artifacts: _____

Comments:

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EPA SAMPLE NO.

S7SS07

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

atrix (soil/water): SOIL_ Lab Sample ID: 9610055-06

evel (low/med): LOW__ Date Received: 10/03/96

Solids: _13.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	1780		*	P
7440360	Antimony	3.0	U	N	P
7440382	Arsenic	3.9	B		P
7440393	Barium	11.6	B		P
7440417	Beryllium	0.15	U		P
7440439	Cadmium	1.2	B		P
7440702	Calcium	225000			P
7440473	Chromium	14.0	B		P
7440484	Cobalt	1.5	U		P
7440508	Copper	64.2			P
7439896	Iron	4270		*	P
7439921	Lead	109			P
7439954	Magnesium	4720	B		P
7439965	Manganese	30.5			P
7439976	Mercury	0.12	U		AV
7440020	Nickel	6.7	B		P
7440097	Potassium	760	B		P
7782492	Selenium	3.0	U		P
7440224	Silver	1.5	U		P
7440235	Sodium	14500			P
7440280	Thallium	3.0	U	N	P
7440622	Vanadium	11.0	B		P
7440666	Zinc	254			P
74908	Cyanide	0.49	U	N*	AS

olor Before: BROWN Clarity Before: _____ Texture: SMOOTH

olor After: CLEAR Clarity After: _____ Artifacts: _____

omments:

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EPA SAMPLE NO.

S7SS08

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

atrix (soil/water): SOIL_ Lab Sample ID: 9610055-07

evel (low/med): LOW__ Date Received: 10/03/96

Solids: _12.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	1630		*	P
7440360	Antimony	3.3	U	N	P
7440382	Arsenic	3.3	U		P
7440393	Barium	14.9	B		P
7440417	Beryllium	0.17	U		P
7440439	Cadmium	0.77	B		P
7440702	Calcium	271000			P
7440473	Chromium	17.3			P
7440484	Cobalt	1.7	U		P
7440508	Copper	50.0			P
7439896	Iron	3800		*	P
7439921	Lead	119			P
7439954	Magnesium	5600	B		P
7439965	Manganese	29.5			P
7439976	Mercury	0.10	U		AV
7440020	Nickel	6.3	B		P
7440097	Potassium	645	B		P
7782492	Selenium	3.3	U		P
7440224	Silver	1.7	U		P
7440235	Sodium	8480			P
7440280	Thallium	3.3	U	N	P
7440622	Vanadium	16.6	B		P
7440666	Zinc	295			P
74908	Cyanide	0.53	U	N*	AS

olor Before: BROWN_____ Clarity Before: _____ Texture: SMOOTH

olor After: CLEAR_____ Clarity After: _____ Artifacts: _____

omments:

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EPA SAMPLE NO.

S7SS05

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

Matrix (soil/water): SOIL_ Lab Sample ID: 9610055-08

Level (low/med): LOW__ Date Received: 10/03/96

% Solids: _32.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	2410		*	P
7440360	Antimony	1.2	U	N	P
7440382	Arsenic	3.5	B		P
7440393	Barium	14.2	B		P
7440417	Beryllium	0.06	U		P
7440439	Cadmium	0.35	B		P
7440702	Calcium	248000			P
7440473	Chromium	6.0			P
7440484	Cobalt	0.60	U		P
7440508	Copper	12.3	B		P
7439896	Iron	1650		*	P
7439921	Lead	22.5			P
7439954	Magnesium	5860			P
7439965	Manganese	12.6			P
7439976	Mercury	0.05	U		AV
7440020	Nickel	2.8	B		P
7440097	Potassium	583	B		P
7782492	Selenium	1.2	U		P
7440224	Silver	0.60	U		P
7440235	Sodium	4780			P
7440280	Thallium	1.2	U	N	P
7440622	Vanadium	5.4	B		P
7440666	Zinc	38.3			P
74908	Cyanide	0.20	U	N*	AS

Color Before: BLACK____ Clarity Before: _____ Texture: SMOOTH

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

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EPA SAMPLE NO.

S7DPSS

ab me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

atrix (soil/water): SOIL_ Lab Sample ID: 9610055-09

evel (low/med): LOW__ Date Received: 10/03/96

Solids: _29.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	2800		*	P
7440360	Antimony	1.3	U	N	P
7440382	Arsenic	8.0			P
7440393	Barium	12.9	B		P
7440417	Beryllium	0.07	U		P
7440439	Cadmium	1.5	B		P
7440702	Calcium	186000			P
7440473	Chromium	7.7			P
7440484	Cobalt	0.66	U		P
7440508	Copper	16.0	B		P
7439896	Iron	2610		*	P
7439921	Lead	36.4			P
7439954	Magnesium	6320			P
7439965	Manganese	16.5			P
7439976	Mercury	0.05	U		AV
7440020	Nickel	4.4	B		P
7440097	Potassium	599	B		P
7782492	Selenium	1.3	U		P
7440224	Silver	1.1	B		P
7440235	Sodium	5120			P
7440280	Thallium	1.3	U	N	P
7440622	Vanadium	10.2	B		P
7440666	Zinc	129			P
74908	Cyanide	0.23	U	N*	AS

olor Before: BLACK_____ Clarity Before: _____ Texture: SMOOTH

olor After: BROWN_____ Clarity After: _____ Artifacts: _____

omments:

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EPA SAMPLE NO.

ABSS06

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

Matrix (soil/water): SOIL_ Lab Sample ID: 9610055-10

Level (low/med): LOW__ Date Received: 10/04/96

% Solids: _38.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	1090		*	P
7440360	Antimony	1.0	U	N	P
7440382	Arsenic	3.3	B		P
7440393	Barium	12.6	B		P
7440417	Beryllium	0.05	U		P
7440439	Cadmium	0.58	B		P
7440702	Calcium	232000			P
7440473	Chromium	7.1			P
7440484	Cobalt	0.51	U		P
7440508	Copper	33.8			P
7439896	Iron	6080		*	P
7439921	Lead	24.4			P
7439954	Magnesium	6070			P
7439965	Manganese	47.3			P
7439976	Mercury	0.04	U		AV
7440020	Nickel	5.0	B		P
7440097	Potassium	869	B		P
7782492	Selenium	1.0	U		P
7440224	Silver	0.51	U		P
7440235	Sodium	21000			P
7440280	Thallium	1.0	U	N	P
7440622	Vanadium	5.4	B		P
7440666	Zinc	224			P
74908	Cyanide	0.18	U	N*	AS

Color Before: GREY_____ Clarity Before: _____ Texture: COARSE

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS10

ab me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

latrix (soil/water): SOIL_ Lab Sample ID: 9610055-11

evel (low/med): LOW__ Date Received: 10/04/96

Solids: _49.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	1520		*	P
7440360	Antimony	0.78	U	N	P
7440382	Arsenic	3.2	B		P
7440393	Barium	9.1	B		P
7440417	Beryllium	0.04	U		P
7440439	Cadmium	0.61	B		P
7440702	Calcium	27000000			P
7440473	Chromium	6.7			P
7440484	Cobalt	0.39	U		P
7440508	Copper	30.3			P
7439896	Iron	5760		*	P
7439921	Lead	20.4			P
7439954	Magnesium	6100			P
7439965	Manganese	59.0			P
7439976	Mercury	0.03	U		AV
7440020	Nickel	3.6	B		P
7440097	Potassium	665	B		P
7782492	Selenium	0.78	U		P
7440224	Silver	0.39	U		P
7440235	Sodium	14300			P
7440280	Thallium	0.78	U	N	P
7440622	Vanadium	4.9	B		P
7440666	Zinc	258			P
74908	Cyanide	0.13	U	N*	AS

olor Before: GREY_____ Clarity Before: _____ Texture: COARSE

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I3SB1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

Matrix (soil/water): SOIL_ Lab Sample ID: 9610055-12

Level (low/med): LOW__ Date Received: 10/04/96

% Solids: _79.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	482		*	P
7440360	Antimony	0.51	U	N	P
7440382	Arsenic	0.66	B		P
7440393	Barium	12.8	B		P
7440417	Beryllium	0.03	U		P
7440439	Cadmium	0.07	B		P
7440702	Calcium	27800000			P
7440473	Chromium	3.3			P
7440484	Cobalt	0.25	U		P
7440508	Copper	9.6			P
7439896	Iron	438		*	P
7439921	Lead	27.3			P
7439954	Magnesium	2890			P
7439965	Manganese	10.4			P
7439976	Mercury	0.08			AV
7440020	Nickel	1.3	B		P
7440097	Potassium	84.3	B		P
7782492	Selenium	0.51	U		P
7440224	Silver	0.25	U		P
7440235	Sodium	1240	B		P
7440280	Thallium	0.51	U	N	P
7440622	Vanadium	4.2	B		P
7440666	Zinc	21.3			P
74908	Cyanide				NR

Color Before: LT_BROWN_ Clarity Before: _____ Texture: COARSE

Color After: YELLOWISH Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I3SB2

ab me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

atrix (soil/water): SOIL_ Lab Sample ID: 9610055-13

evel (low/med): LOW__ Date Received: 10/04/96

Solids: _75.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	2250		*	P
7440360	Antimony	0.53	U	N	P
7440382	Arsenic	2.6	B		P
7440393	Barium	73.3			P
7440417	Beryllium	0.03	U		P
7440439	Cadmium	0.33	B		P
7440702	Calcium	27100000			P
7440473	Chromium	7.8			P
7440484	Cobalt	0.41	B		P
7440508	Copper	22.9			P
7439896	Iron	2890		*	P
7439921	Lead	121			P
7439954	Magnesium	4110			P
7439965	Manganese	58.1			P
7439976	Mercury	0.72			AV
7440020	Nickel	2.2	B		P
7440097	Potassium	168	B		P
7782492	Selenium	0.53	U		P
7440224	Silver	0.27	U		P
7440235	Sodium	1400			P
7440280	Thallium	0.53	U	N	P
7440622	Vanadium	4.0	B		P
7440666	Zinc	162			P
74908	Cyanide				NR

olor Before: LT_BROWN_ Clarity Before: _____ Texture: COARSE

olor After: YELLOWISH Clarity After: _____ Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S5SB1

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

atrix (soil/water): SOIL_ Lab Sample ID: 9610055-14

evel (low/med): LOW__ Date Received: 10/07/96

Solids: _86.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	923		*	P
7440360	Antimony	0.47	U	N	P
7440382	Arsenic	13.0			P
7440393	Barium	22.3	B		P
7440417	Beryllium	0.07	B		P
7440439	Cadmium	2.2			P
7440702	Calcium	25500000			P
7440473	Chromium	24.7			P
7440484	Cobalt	0.70	B		P
7440508	Copper	7.2			P
7439896	Iron	1480		*	P
7439921	Lead	52.1			P
7439954	Magnesium	1360			P
7439965	Manganese	8.9			P
7439976	Mercury	0.04			AV
7440020	Nickel	7.6	B		P
7440097	Potassium	189	B		P
7782492	Selenium	0.47	U		P
7440224	Silver	0.23	U		P
7440235	Sodium	1110	B		P
7440280	Thallium	0.47	U	N	P
7440622	Vanadium	3.2	B		P
7440666	Zinc	26.2			P
74908	Cyanide				NR

olor Before: TAN_____ Clarity Before: _____ Texture: COARSE

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S4SB1

ıa. ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A055S

atrix (soil/water): SOIL_ Lab Sample ID: 9610055-15

evel (low/med): LOW__ Date Received: 10/07/96

Solids: _67.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	3180		*	P
7440360	Antimony	0.60	U	N	P
7440382	Arsenic	1.4	B		P
7440393	Barium	10.6	B		P
7440417	Beryllium	0.03	B		P
7440439	Cadmium	0.12	B		P
7440702	Calcium	25400000			P
7440473	Chromium	9.3			P
7440484	Cobalt	0.30	U		P
7440508	Copper	15.9			P
7439896	Iron	2050		*	P
7439921	Lead	47.5			P
7439954	Magnesium	8480			P
7439965	Manganese	18.9			P
7439976	Mercury	0.02	U		AV
7440020	Nickel	2.7	B		P
7440097	Potassium	405	B		P
7782492	Selenium	0.60	U		P
7440224	Silver	0.30	U		P
7440235	Sodium	3140			P
7440280	Thallium	0.60	U	N	P
7440622	Vanadium	8.3	B		P
7440666	Zinc	7.7			P
74908	Cyanide	0.10	U	N*	AS

ılor Before: GREY_____ Clarity Before: _____ Texture: COARSE

ılor After: CLEAR____ Clarity After: _____ Artifacts: _____

ımments:

FORM I - IN ILM02.1

GENERAL CASE NARRATIVE

CASE NARRATIVE
for
Brown & Root Environmental
Aiken, SC 29803
SOUTHDIV CLEAN Contract N62467-94-D-0888

November 19, 1996

Laboratory Identification:

General Engineering Laboratories, Inc.

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29414

Telephone Number:

(803) 769-7391

Summary:

Sample receipt

The water samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina on October 7, 1996 and October 8, 1996, for Environmental Analyses. All sample containers arrived without any visible signs of tampering or breakage. The samples were delivered with chain of custody documentation and signatures. Several sample IDs were corrected on the chain of custody, per the client.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
ABMW-1	9610140-01
ABDPGW	9610140-02
ABMW-3	9610140-03
TB09-100596	9610140-04
B6SW	9610140-05
RB09-100796	9610140-06
TB10-100796	9610140-07

Case Narrative

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed in the analytical case narratives. GEL references twenty-five compound names on the raw data and forms that are synonyms of the Brown & Root compound names, which are referenced on the electronic data deliverable (EDD). A cross-reference synonym table of the Brown

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& Root compound names and the corresponding GEL compound names is included in the package. Note, we have provided organic test codes which lists RDLs, PQLs and MDLs. The PQL and MDL values are uncorrected, because prep and moisture factors do not apply. The MDL and PQL values on the EDD are corrected for prep and moisture.

Data Package:

The enclosed data package contains the following sections: General Narrative, MDLs, Volatiles, Semivolatiles, Pesticides/PCB, Herbicides, Metals, Cyanide, Chain of Custody. The analytical sections contain the following information: case narrative, forms, initial calibration raw data, sample raw data, LCS control charts, hardcopy electronic data deliverable, and Nonconformance Reports (if applicable).

The following are definitions of qualifiers used by Organics:

U - The analytical result is a non-detect

J - The associated numerical value is below the Detection Limit (DL).

E - The concentration of the analyte exceeds the calibrated range of the instrument.

JN - Presumptiveevidence of presence of material at an estimated concentration (usually applied to TICs only).

P - This flag is used by the lab for pesticide/Aroclor PCB target analytes when there is greater than 25% analyte concentration difference between the two GC columns.

The following are definitions of reporting limits used at General Engineering Laboratories:

DL — Detection Limit: The minimum level of an analyte that can be determined (identified not quantified) with 99% confidence. The values are normally achieved by preparing and analyzing seven aliquots of laboratory water spiked 1 to 5 times the estimated MDL, taking the standard deviation and multiplying it against the one-tailed t-statistic at 99%. This computed value is then verified for reasonableness by repeating the study using the concentration found in the initial study, calculating an F-ratio, and computing the final limit. Sample specific preparation and dilution factors are applied to these limits when they are reported.

The detection limit is the minimum concentration of a substance that can be identified, measured, and reported with 99% confidence that the analyte concentration is above zero. It answers the question "Is It Present".

QL — Quantitation Limit: The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The QL is generally 5 to 10 times the MDL. However, it may be nominally chosen within these guidelines to simplify data reporting. For many analytes the QL analyte concentration is selected as the lowest non-zero standard in the calibration curve.

Sample QL's are highly matrix-dependent. Sample specific preparation and dilution factors are applied to these limits when they are reported

The QL is always ≥ DL

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RL Reporting Limit: Same as the QL except where driven by contract or client specifications. If the sample specific preparation and dilution factors cause the QL to be elevated above the RL, then the QL is used as the RL.

This data package, to the best of my knowledge, is in compliance with technical and administrative requirements.

Valerie S. Davis
Project Manager

fc:hali00396.111996

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Cross-Reference Synonym Table

B&R Parmname	GEL Parmname
1,1-DICHLOROETHENE	1,1-DICHLOROETHYLENE
1,3-DINITROBENZENE	m-DINITROBENZENE
2,4,5-TP (SILVEX)	SILVEX
2-CHLORO-1,3-BUTADIENE	CHOROPRENE
2-METHYL-4,6-DINITROPHENOL	4,6-DINITRO-2-METHYLPHENOL
BIS(2-CHLOROISOPROPYL)ETHER	BIS(2-CHLOROMETHYLETHYL)ETHER
BROMODICHLOROMETHANE	DICHLOROBROMOMETHANE
BROMOMETHANE	METHYL BROMIDE
CHLOROMETHANE	METHYL CHLORIDE
CIS-1,2-DICHLOROETHENE	1,2-CIS-DICHLOROTHYLENE
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROYLENE
CORROSIVITY (pH)	CORROSIVITY
ENDOSULFAN-1	ENDOSULFAN 1
ETHYL CYANIDE	PROPIONITRILE
IODOMETHANE	METHYL IODIDE
M&P-CRESOL	3-METHYLPHENOL,4-METHYLPHENOL
N-NITROSODIMETHYLAMINE	N-METHYL-N-NITROSOMETHYLAMINE
O,O,O-TRIETHLYPHOSPHOROTHIOATE	TRIETHYLPHOSPHOROTHIOATE
P-DIMETHYLAMINOAZOBENZENE	P-(DIMETHYLAMINO)AZOBENZE
SULFOTEP	SULFOTEPP
TETRACHLOROETHENE	TETRACHLOROETHYLENE
THIONAZIN	THIONAZINE
TRANS-1,2-DICHLOROETHENE	1-2,TRANS-DICHLOROETHYLENE
TRANS-1,3-DICHLOROPROPENE	TRANS-1,3-DICHLOROPROPYLENE
TRICHLOROETHENE	TRICHLOROETHYLENE

HERBICIDE/PESTICIDES/PCB DATA

CASE NARRATIVE
SDG 6A140W
Herbicide Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Herbicides by SW-846 Method 8150:

Sample Description	Laboratory Identification
ABMW-1	9610140-01
ABDPGW	9610140-02
Blank	QC401991
Laboratory Control Sample (LCS)	QC401992
KWM07 Matrix Spike (MS)	QC401994
KWM07 Matrix Spike Duplicate (MSD)	QC401995

Instrument Calibration

The standard analyzed on 12/2/96 at 11:20 did not meet continuing calibration criteria for 2,4-D or silvex on the confirmation column (DB-5). The standards analyzed on 12/2/96 at 1654 and 2057 and 12/3/96 at 1348 did not meet criteria for 2,4,5-T on DB-5. The standard analyzed on 12/3/96 at 1123 did not meet criteria for 2,4,5-T or silvex on DB-5.

Holding Times

The samples were re-extracted and re-analyzed outside of the technical holding time in order to confirm concentrations of target analytes.

Blank Analysis

No target analytes were detected in the method blank.

Surrogate Analysis

The surrogates met acceptance criteria.

Spike Analysis

The MS and MSD was diluted due to matrix interference. The Form 1s are reported for the 1:10 and 1:100 analyses. The Form 3 reported reflects the 1:100 dilution. The QC was performed on a Brown & Root sample not included in this SDG.

Laboratory Control Samples

The LCS met quality control criteria for recoveries. There is no LCSD associated with this batch because the container was dropped during extraction. Therefore, the MSD is used to establish precision.

Dilutions

The samples were analyzed at the standard 10x dilution.

Additional Comments

Samples ABMW-1 and ABDPGW were re-extracted out of holding to confirm concentrations of target analytes. The analyte concentrations were not confirmed, therefore, the data originally reported within holding is incorrect.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK02

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC401991

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 003R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK02MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401992

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 004R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.71	
95-76-5	2,4,5-T	0.76	
93-72-1	2,4,5-TP	0.82	

FORM 1 Brown & Root Environ23-NOV-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

KWM07

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9611400-14

Sample wt/vol: 930 (g/mL) mL Lab File ID: 015R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.11	U
95-76-5	2,4,5-T	0.11	U
93-72-1	2,4,5-TP	0.11	U

*DATA NOT USABLE.
SAMPLE WAS OVERRANGE; A DILUTION WAS MADE FOR MATRIX INTERFERENCE.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KWM07MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401994

Sample wt/vol: 930 (g/mL) mL Lab File ID: 005R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.64	P
95-76-5	2,4,5-T	0.67	P
93-72-1	2,4,5-TP	0.79	P

*DATA NOT USABLE.
SAMPLE WAS OVERRANGE; A DILUTION WAS MADE FOR MATRIX INTERFERENCE.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KWM07MSD

·b Name: Contract:

ı Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401995

Sample wt/vol: 950 (g/mL) mL Lab File ID: 006R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.70	P
95-76-5	2,4,5-T	0.74	P
93-72-1	2,4,5-TP	0.94	P

*DATA NOT USABLE.
SAMPLE WAS OVERRANGE; A DILUTION WAS MADE FOR MATRIX INTERFERENCE.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-01

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 020R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABDPGW

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-02

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 021R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/02/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KWM07DL1MS

-b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401994

Sample wt/vol: 930 (g/mL) mL Lab File ID: 003R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/03/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	1.3	P
95-76-5	2,4,5-T	1.1	P
93-72-1	2,4,5-TP	0.99	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KWM07DL1MSD

-b Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC401995

Sample wt/vol: 950 (g/mL) mL Lab File ID: 004R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/03/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	1.3	P
95-76-5	2,4,5-T	1.1	P
93-72-1	2,4,5-TP	0.98	

FORM 1 Brown & Root Environ23-NOV-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

KWM07DL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

ab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9611400-14

Sample wt/vol: 930 (g/mL) mL Lab File ID: 005R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/23/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/25/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 12/03/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	1.1	U
95-76-5	2,4,5-T	1.1	U
93-72-1	2,4,5-TP	1.1	U

CASE NARRATIVE
SDG 6A140W
Pesticide/PCB Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Pesticides/PCB by SW-846 Method 8080:

Sample Description	Laboratory Identification
ABMW-1	9610140-01
ABDPGW	9610140-02
ABMW-3	9610140-03
B6SW	9610140-05
RB09-100796	9610140-06
Blank	QC392301/QC393072
Laboratory Control Sample (LCS)	QC392302/QC393073/QC393077
Laboratory Control Sample Duplicate (LCSD)	QC392303/QC393074/QC393078
PCB LCS	QC392304
PCB LCSD	QC392305
ABMW-1 Matrix Spike (MS)	QC392306/QC392308
ABMW-1 Matrix Spike Duplicate (MSD)	QC392307/QC392309
B6SW MS	QC393075/QC393079
B6SW MSD	QC393076/QC393080

Instrument Calibration

Methoxychlor fails low on both columns on 10/18/96 for the first continuing calibration standard. All samples analyzed on this day were re-analyzed for that analyte. The concentrations were inserted into the EDD and forms. Heptachlor is reported from the confirmation column due to standard failure on the primary column. The continuing calibration standard does not meet acceptance criteria for Endosulfan sulfate on the front column (ecd2a -10/18/96). However, the data is reported from the front column due to coelution on the rear column.

Holding Times

The samples were analyzed within the technical holding times.

Surrogate Analysis

The samples met surrogate recovery criteria.

Blank Analysis

No target analytes were detected in the method blank above the PQL.

Laboratory Control Samples

The LCS identified as QC392302 exhibited an elevated RPD value for beta-BHC and reproducibly elevated % recovery for endrin aldehyde when compared to the advisory only limits for each compound. The associated MS for the extraction prep batch did not

experience similar elevated results for beta-BHC, thus demonstrating control for the samples reported. Recovery of endrin aldehyde above the listed advisory limit resulted from moderate endrin breakdown which introduced a positive reporting bias for the compound.

Spike Analysis

The MS contained 5 values which exceeded the control limits. The exceeded values for alpha-BHC and endosulfan I were limited to the MS samples and not observed in the LCS. As indicated previously, the elevated recovery of endrin aldehyde was a function of a moderate endrin breakdown in the chromatographic system. This resulted in a slight positive bias in quantitating concentrations found in samples for this compound.

Dilutions

Samples ABMW-1, ABDPGW, ABMW-3, RB09-100796 reflect a 2x dilution due to GPC and not compensating on final volume.

Additional Comments

Sample RB08-100396 contained low level concentrations for 9 targeted pesticides. These same compounds were found to be present at high levels in sample ABSW-03 (reported in SDG# 6A140W). The two samples were not analyzed sequentially in either the sample extraction process of the instrument runs, so there is not evidence that any form of carryover occurred in the laboratory.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392301

Sample wt/vol: 500 (g/mL) mL Lab File ID: 015F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 10/19/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392301

Sample wt/vol: 500 (g/mL) mL Lab File ID: 015F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392302

Sample wt/vol: 500 (g/mL) mL Lab File ID: 016F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.12	
319-85-7	beta-BHC	0.11	
319-86-8	delta-BHC	0.090	
58-89-9	gamma-BHC	0.10	
76-44-8	Heptachlor	0.085	P
309-00-2	Aldrin	0.080	
1024-57-3	Heptachlor epoxide	0.074	
959-98-8	Endosulfan I	0.077	P
60-57-1	Dieldrin	0.093	P
72-55-9	4,4'-DDE	0.079	JP
72-20-8	Endrin	0.080	P
33213-65-9	Endosulfan II	0.076	JP
72-54-8	4,4'-DDD	0.11	
1031-07-8	Endosulfan sulfate	0.086	P
50-29-3	4,4'-DDT	0.12	
72-43-5	Methoxychlor	0.38	JP
7421-93-4	Endrin aldehyde	0.15	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392302

Sample wt/vol: 500 (g/mL) mL Lab File ID: 016F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392303

Sample wt/vol: 500 (g/mL) mL Lab File ID: 017F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.10	P
319-85-7	beta-BHC	0.074	
319-86-8	delta-BHC	0.074	
58-89-9	gamma-BHC	0.079	
76-44-8	Heptachlor	0.066	P
309-00-2	Aldrin	0.063	
1024-57-3	Heptachlor epoxide	0.060	
959-98-8	Endosulfan I	0.064	P
60-57-1	Dieldrin	0.080	P
72-55-9	4,4'-DDE	0.063	JP
72-20-8	Endrin	0.088	
33213-65-9	Endosulfan II	0.075	JP
72-54-8	4,4'-DDD	0.11	P
1031-07-8	Endosulfan sulfate	0.074	JP
50-29-3	4,4'-DDT	0.10	
72-43-5	Methoxychlor	0.18	JP
7421-93-4	Endrin aldehyde	0.17	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392303

Sample wt/vol: 500 (g/mL) mL Lab File ID: 017F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392304

Sample wt/vol: 500 (g/mL) mL Lab File ID: 018F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor-1016	0.25	U
11096-82-5	Aroclor-1260	0.83	

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392305

Sample wt/vol: 500 (g/mL) mL Lab File ID: 019F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor-1016	0.25	U
11096-82-5	Aroclor-1260	0.79	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393072

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-20

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.020	U
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.020	U
76-44-8	Heptachlor	0.020	U
309-00-2	Aldrin	0.020	U
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.040	U
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.040	U
33213-65-9	Endosulfan II	0.040	U
72-54-8	4,4'-DDD	0.040	U
1031-07-8	Endosulfan sulfate	0.040	U
50-29-3	4,4'-DDT	0.040	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.040	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.12	U
11104-28-2	Aroclor-1221	0.12	U
1114-16-5	Aroclor-1232	0.12	U
53469-21-9	Aroclor-1242	0.12	U
12672-29-6	Aroclor-1248	0.12	U
11097-69-1	Aroclor-1254	0.12	U
11096-82-5	Aroclor-1260	0.12	U
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393072

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-20

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393073

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-21

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.099	
319-85-7	beta-BHC	0.099	
319-86-8	delta-BHC	0.099	
58-89-9	gamma-BHC	0.10	
76-44-8	Heptachlor	0.088	
309-00-2	Aldrin	0.086	
1024-57-3	Heptachlor epoxide	0.084	
959-98-8	Endosulfan I	0.087	
60-57-1	Dieldrin	0.098	
72-55-9	4,4'-DDE	0.10	
72-20-8	Endrin	0.12	
33213-65-9	Endosulfan II	0.10	
72-54-8	4,4'-DDD	0.13	
1031-07-8	Endosulfan sulfate	0.093	P
50-29-3	4,4'-DDT	0.11	P
72-43-5	Methoxychlor	0.49	
7421-93-4	Endrin aldehyde	0.14	
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.12	U
11104-28-2	Aroclor-1221	0.12	U
1114-16-5	Aroclor-1232	0.12	U
53469-21-9	Aroclor-1242	0.12	U
12672-29-6	Aroclor-1248	0.12	U
11097-69-1	Aroclor-1254	0.12	U
11096-82-5	Aroclor-1260	0.66	P
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393073

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-21

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.050	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393074

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-22

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.092	
319-85-7	beta-BHC	0.091	
319-86-8	delta-BHC	0.088	
58-89-9	gamma-BHC	0.094	
76-44-8	Heptachlor	0.083	
309-00-2	Aldrin	0.083	
1024-57-3	Heptachlor epoxide	0.084	
959-98-8	Endosulfan I	0.086	
60-57-1	Dieldrin	0.095	
72-55-9	4,4'-DDE	0.096	P
72-20-8	Endrin	0.10	
33213-65-9	Endosulfan II	0.10	
72-54-8	4,4'-DDD	0.14	P
1031-07-8	Endosulfan sulfate	0.093	
50-29-3	4,4'-DDT	0.10	P
72-43-5	Methoxychlor	0.40	
7421-93-4	Endrin aldehyde	0.13	P
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.12	U
11104-28-2	Aroclor-1221	0.12	U
1114-16-5	Aroclor-1232	0.12	U
53469-21-9	Aroclor-1242	0.12	U
12672-29-6	Aroclor-1248	0.12	U
11097-69-1	Aroclor-1254	0.12	U
11096-82-5	Aroclor-1260	0.62	P
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393074

Sample wt/vol: 500 (g/mL) mL Lab File ID: PEST-22

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/11/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392306

Sample wt/vol: 500 (g/mL) mL Lab File ID: 020F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.13	
319-85-7	beta-BHC	0.11	
319-86-8	delta-BHC	0.11	
58-89-9	gamma-BHC	0.12	
76-44-8	Heptachlor	0.086	P
309-00-2	Aldrin	0.071	
1024-57-3	Heptachlor epoxide	0.10	
959-98-8	Endosulfan I	0.10	P
60-57-1	Dieldrin	0.098	P
72-55-9	4,4'-DDE	0.056	JP
72-20-8	Endrin	0.12	P
33213-65-9	Endosulfan II	0.10	P
72-54-8	4,4'-DDD	0.13	P
1031-07-8	Endosulfan sulfate	0.12	P
50-29-3	4,4'-DDT	0.058	JP
72-43-5	Methoxychlor	0.41	P
7421-93-4	Endrin aldehyde	0.20	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392306

Sample wt/vol: 500 (g/mL) mL Lab File ID: 020F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392307

Sample wt/vol: 500 (g/mL) mL Lab File ID: 021F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.14	P
319-85-7	beta-BHC	0.11	
319-86-8	delta-BHC	0.11	
58-89-9	gamma-BHC	0.11	
76-44-8	Heptachlor	0.086	P
309-00-2	Aldrin	0.076	
1024-57-3	Heptachlor epoxide	0.096	
959-98-8	Endosulfan I	0.16	
60-57-1	Dieldrin	0.10	P
72-55-9	4,4'-DDE	0.064	JP
72-20-8	Endrin	0.11	
33213-65-9	Endosulfan II	0.10	P
72-54-8	4,4'-DDD	0.12	P
1031-07-8	Endosulfan sulfate	0.11	P
50-29-3	4,4'-DDT	0.047	JP
72-43-5	Methoxychlor	0.29	JP
7421-93-4	Endrin aldehyde	0.16	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392307

Sample wt/vol: 500 (g/mL) mL Lab File ID: 021F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392308

Sample wt/vol: 500 (g/mL) mL Lab File ID: 022F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
12674-11-2------	Aroclor-1016	0.25	U
11096-82-5------	Aroclor-1260	0.47	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392309

Sample wt/vol: 500 (g/mL) mL Lab File ID: 023R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
12674-11-2	Aroclor-1016	0.25	U
11096-82-5	Aroclor-1260	0.50	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SWMS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393075

Sample wt/vol: 425 (g/mL) mL Lab File ID: PEST-25

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.094	
319-85-7	beta-BHC	0.090	
319-86-8	delta-BHC	0.10	
58-89-9	gamma-BHC	0.092	
76-44-8	Heptachlor	0.082	
309-00-2	Aldrin	0.082	
1024-57-3	Heptachlor epoxide	0.070	P
959-98-8	Endosulfan I	0.075	
60-57-1	Dieldrin	0.084	
72-55-9	4,4'-DDE	0.083	
72-20-8	Endrin	0.10	
33213-65-9	Endosulfan II	0.085	
72-54-8	4,4'-DDD	0.12	
1031-07-8	Endosulfan sulfate	0.091	P
50-29-3	4,4'-DDT	0.093	
72-43-5	Methoxychlor	0.47	P
7421-93-4	Endrin aldehyde	0.13	
8001-35-2	Toxaphene	1.2	U
12674-11-2	Aroclor-1016	0.15	U
11104-28-2	Aroclor-1221	0.15	U
1114-16-5	Aroclor-1232	0.15	U
53469-21-9	Aroclor-1242	0.15	U
12672-29-6	Aroclor-1248	0.15	U
11097-69-1	Aroclor-1254	0.15	U
11096-82-5	Aroclor-1260	1.3	P
57-74-9	Chlordane	0.29	U
298-02-2	Phorate	0.059	U
298-00-0	Parathion, methyl	0.059	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SWMS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393075

Sample wt/vol: 425 (g/mL) mL Lab File ID: PEST-25

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.059	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SWMSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393076

Sample wt/vol: 425 (g/mL) mL Lab File ID: PEST-26

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.12	
319-85-7	beta-BHC	0.10	P
319-86-8	delta-BHC	0.11	
58-89-9	gamma-BHC	0.11	
76-44-8	Heptachlor	0.11	
309-00-2	Aldrin	0.096	
1024-57-3	Heptachlor epoxide	0.090	P
959-98-8	Endosulfan I	0.096	
60-57-1	Dieldrin	0.10	
72-55-9	4,4'-DDE	0.10	
72-20-8	Endrin	0.12	
33213-65-9	Endosulfan II	0.10	
72-54-8	4,4'-DDD	0.14	
1031-07-8	Endosulfan sulfate	0.10	P
50-29-3	4,4'-DDT	0.11	
72-43-5	Methoxychlor	0.51	
7421-93-4	Endrin aldehyde	0.12	
8001-35-2	Toxaphene	1.2	U
12674-11-2	Aroclor-1016	0.15	U
11104-28-2	Aroclor-1221	0.15	U
1114-16-5	Aroclor-1232	0.15	U
53469-21-9	Aroclor-1242	0.15	U
12672-29-6	Aroclor-1248	0.15	U
11097-69-1	Aroclor-1254	0.15	U
11096-82-5	Aroclor-1260	0.92	P
57-74-9	Chlordane	0.29	U
298-02-2	Phorate	0.059	U
298-00-0	Parathion, methyl	0.059	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SWMSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393076

Sample wt/vol: 425 (g/mL) mL Lab File ID: PEST-26

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.059	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 029F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 029F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABDPGW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 030F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 10/19/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.040	U
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.022	JP
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.085	P
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.060	JP
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABDPGW

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 030F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-3

ab Name: GENERAL ENGINEERING LABOR Contract: NA

.o Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 031F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.11	
319-86-8	delta-BHC	0.097	
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.026	JP
309-00-2	Aldrin	0.071	
1024-57-3	Heptachlor epoxide	0.62	E
959-98-8	Endosulfan I	0.74	E
60-57-1	Dieldrin	0.84	EP
72-55-9	4,4'-DDE	1.0	EP
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.69	P
72-54-8	4,4'-DDD	1.5	E
1031-07-8	Endosulfan sulfate	0.70	
50-29-3	4,4'-DDT	1.6	E
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.59	P
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-3

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 031F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB09-100796

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 032F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.040	U
319-85-7	beta-BHC	0.040	U
319-86-8	delta-BHC	0.040	U
58-89-9	gamma-BHC	0.040	U
76-44-8	Heptachlor	0.11	P
309-00-2	Aldrin	0.040	U
1024-57-3	Heptachlor epoxide	0.040	U
959-98-8	Endosulfan I	0.040	U
60-57-1	Dieldrin	0.080	U
72-55-9	4,4'-DDE	0.080	U
72-20-8	Endrin	0.080	U
33213-65-9	Endosulfan II	0.080	U
72-54-8	4,4'-DDD	0.080	U
1031-07-8	Endosulfan sulfate	0.080	U
50-29-3	4,4'-DDT	0.080	U
72-43-5	Methoxychlor	0.40	U
7421-93-4	Endrin aldehyde	0.080	U
8001-35-2	Toxaphene	2.0	U
12674-11-2	Aroclor-1016	0.25	U
11104-28-2	Aroclor-1221	0.25	U
1114-16-5	Aroclor-1232	0.25	U
53469-21-9	Aroclor-1242	0.25	U
12672-29-6	Aroclor-1248	0.25	U
11097-69-1	Aroclor-1254	0.25	U
11096-82-5	Aroclor-1260	0.25	U
57-74-9	Chlordane	0.50	U
298-02-2	Phorate	0.10	U
298-00-0	Parathion, methyl	0.10	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB09-100796

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 032F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.10	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-3DL1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 033F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.40	U
319-85-7	beta-BHC	0.40	U
319-86-8	delta-BHC	0.40	U
58-89-9	gamma-BHC	0.40	U
76-44-8	Heptachlor	0.40	U
309-00-2	Aldrin	0.40	U
1024-57-3	Heptachlor epoxide	0.43	
959-98-8	Endosulfan I	0.42	
60-57-1	Dieldrin	0.64	JP
72-55-9	4,4'-DDE	0.65	JP
72-20-8	Endrin	0.80	U
33213-65-9	Endosulfan II	0.48	JP
72-54-8	4,4'-DDD	0.93	
1031-07-8	Endosulfan sulfate	0.45	JP
50-29-3	4,4'-DDT	1.0	
72-43-5	Methoxychlor	4.0	U
7421-93-4	Endrin aldehyde	0.43	JP
8001-35-2	Toxaphene	20.0	U
12674-11-2	Aroclor-1016	2.5	U
11104-28-2	Aroclor-1221	2.5	U
1114-16-5	Aroclor-1232	2.5	U
53469-21-9	Aroclor-1242	2.5	U
12672-29-6	Aroclor-1248	2.5	U
11097-69-1	Aroclor-1254	2.5	U
11096-82-5	Aroclor-1260	2.5	U
57-74-9	Chlordane	5.0	U
298-02-2	Phorate	1.0	U
298-00-0	Parathion, methyl	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-3DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 033F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SW

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-05

Sample wt/vol: 425 (g/mL) mL Lab File ID: PEST-29

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6	alpha-BHC	0.024	U
319-85-7	beta-BHC	0.024	U
319-86-8	delta-BHC	0.024	U
58-89-9	gamma-BHC	0.024	U
76-44-8	Heptachlor	0.024	U
309-00-2	Aldrin	0.024	U
1024-57-3	Heptachlor epoxide	0.024	U
959-98-8	Endosulfan I	0.024	U
60-57-1	Dieldrin	0.047	U
72-55-9	4,4'-DDE	0.047	U
72-20-8	Endrin	0.047	U
33213-65-9	Endosulfan II	0.047	U
72-54-8	4,4'-DDD	0.047	U
1031-07-8	Endosulfan sulfate	0.047	U
50-29-3	4,4'-DDT	0.047	U
72-43-5	Methoxychlor	0.24	U
7421-93-4	Endrin aldehyde	0.047	U
8001-35-2	Toxaphene	1.2	U
12674-11-2	Aroclor-1016	0.15	U
11104-28-2	Aroclor-1221	0.15	U
1114-16-5	Aroclor-1232	0.15	U
53469-21-9	Aroclor-1242	0.15	U
12672-29-6	Aroclor-1248	0.15	U
11097-69-1	Aroclor-1254	0.15	U
11096-82-5	Aroclor-1260	0.15	U
57-74-9	Chlordane	0.29	U
298-02-2	Phorate	0.059	U
298-00-0	Parathion, methyl	0.059	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SW

ıb Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-05

Sample wt/vol: 425 (g/mL) mL Lab File ID: PEST-29

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
56-38-2	Parathion	0.059	U

FORM I PEST 3/90

CASE NARRATIVE
SDG 6A140W
Herbicide Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Herbicides by SW-846 Method 8150:

Sample Description	Laboratory Identification
ABMW-1	9610140-01
ABDPGW	9610140-02
ABMW-3	9610140-03
B6SW	9610140-05
RB09-100796	9610140-06
Blank	QC392399
Laboratory Control Sample (LCS)	QC392400
Laboratory Control Sample Duplicate (LCSD)	QC392401
ABSW-06 Matrix Spike (MS)	QC392402
ABSW-06 Matrix Spike Duplicate (MSD)	QC392403

Instrument Calibration

Initial and continuing calibration criteria established in the methodology were met for all analyses for the compounds of interest.

Holding Times

The samples were analyzed within the technical holding time.

Surrogate Analysis

The surrogates met quality control acceptance criteria.

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

The MS and MSD met quality control criteria for recoveries and relative percent difference (RPD). The QC was performed on a Brown & Root sample not included in this SDG.

Laboratory Control Samples

The LCS and LCSD analyzed met quality control criteria for recoveries and relative percent difference (RPD). The limits are generated by statistical proces control (SPC).

Dilutions

The samples were analyzed at the standard 10x dilution.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392399

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 051R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/09/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK01MS

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392400

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 052R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/09/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.66	P
95-76-5	2,4,5-T	0.72	
93-72-1	2,4,5-TP	0.78	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK01MSD

'b Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392401

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 053R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/09/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.72	
95-76-5	2,4,5-T	0.76	
93-72-1	2,4,5-TP	0.84	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABSW-06MS

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392402

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 054R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.83	P
95-76-5	2,4,5-T	0.83	
93-72-1	2,4,5-TP	1.0	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABSW-06MSD

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392403

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 055R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/04/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.78	
95-76-5	2,4,5-T	0.79	
93-72-1	2,4,5-TP	0.91	

FORM 1 Brown & Root Environ07-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

AEMW-1

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-01

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 061R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

FORM 1 Brown & Root Environ07-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ABDPGW

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-02

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 062R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.74	
95-76-5	2,4,5-T	0.62	
93-72-1	2,4,5-TP	0.77	

FORM 1 Brown & Root Environ07-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

ABMW-3

Lab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-03

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 063R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/07/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.096	U
95-76-5	2,4,5-T	0.096	U
93-72-1	2,4,5-TP	0.096	U

FORM 1 Brown & Root Environ08-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

B6SW

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-05

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 064R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.097	U
95-76-5	2,4,5-T	0.097	U
93-72-1	2,4,5-TP	0.097	U

FORM 1 Brown & Root Environ08-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

RB09-100796

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-06

Sample wt/vol: 980 (g/mL) mL Lab File ID: 065R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/09/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1928-38-7	2,4-D	0.10	U
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.10	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 6A140W
Semivolatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Semivolatile Organic Compounds and Polynuclear Aromatic Hydrocarbons (PAH-M610) by SW-846 Method 8270:

Sample Description	Laboratory Identification
ABMW-1	9610140-01
ABDPGW	9610140-02
ABMW-3	9610140-03
B6SW	9610140-05
RB09-100796	9610140-06
Blank	QC392072/QC394187/QC393114
Laboratory Control Sample (LCS)	QC392073/QC394188/QC393115
Laboratory Control Sample Duplicate (LCSD)	QC392074/QC394189/QC393116
RB08-100396 Matrix Spike (MS)	QC392075
RB08-100396 Matrix Spike Duplicate (MSD)	QC392076
RB09-100796 (MS)	QC393117
RB09-100796 (MSD)	QC393118

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses for the compounds of interest.

Holding Times

All samples were initially analyzed within the technical holding times. However, due to surrogates recoveries below the acceptance limits, sample B6SW was re-extracted out of holding.

Surrogate Analysis

The samples met surrogate recovery criteria, with the exception of sample B6SW, which did not meet the acceptance criteria for 2-fluorobiphenyl and terphenyl-d12.

Internal Standards

The samples met internal standard recovery criteria.

Blank Analysis

No target analytes were detected in the method blank above the PQL.

Spike Analysis

The MS and MSD samples met quality control criteria for recoveries and relative percent difference (RPD).

Laboratory Control Samples

All LCS and LCSD samples met quality control criteria for recoveries and RPD.

Dilutions

The samples were analyzed undiluted.

Additional Comments

Several analytes listed on the continuing calibration form have "++++" in the RRF column. The response of these analytes was determined by 2nd order regression, and a value for % D is shown on the Form 7.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABDPGW

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4Q104

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P522

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/19/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1RA0

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4Q103

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SW

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P214

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-3

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4Q105

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB09100796

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P215

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB09100796MS

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393117

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P212

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	89.2	
106-46-7	1,4-dichlorobenzene	79.8	
621-64-7	N-nitroso-di-n-propylamine	95.7	
120-82-1	1,2,4-trichlorobenzene	79.3	
91-20-3	naphthalene	90.2	
209-96-8	acenaphthylene	75.0	
83-32-9	acenaphthene	84.6	
86-73-7	fluorene	103	
85-01-8	phenanthrene	95.0	
120-12-7	anthracene	102	
206-44-0	fluoranthene	71.2	
129-00-0	pyrene	75.0	
56-55-3	benzo(a)anthracene	82.2	
218-01-9	chrysene	81.1	
205-99-2	benzo(b)fluoranthene	90.7	
207-08-9	benzo(k)fluoranthene	82.6	
50-32-8	benzo(a)pyrene	86.3	
193-39-5	indeno(1,2,3-cd)pyrene	101	
53-70-3	dibenz(a,h)anthracene	105	
191-24-2	benzo(g,h,i)perylene	103	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB09100796MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393118

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P213

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	77.0	
106-46-7	1,4-dichlorobenzene	73.6	
621-64-7	N-nitroso-di-n-propylamine	83.4	
120-82-1	1,2,4-trichlorobenzene	71.0	
91-20-3	naphthalene	82.6	
209-96-8	acenaphthylene	67.9	
83-32-9	acenaphthene	74.5	
86-73-7	fluorene	90.9	
85-01-8	phenanthrene	85.8	
120-12-7	anthracene	87.0	
206-44-0	fluoranthene	65.0	
129-00-0	pyrene	63.8	
56-55-3	benzo(a)anthracene	71.5	
218-01-9	chrysene	72.1	
205-99-2	benzo(b)fluoranthene	78.7	
207-08-9	benzo(k)fluoranthene	76.6	
50-32-8	benzo(a)pyrene	79.0	
193-39-5	indeno(1,2,3-cd)pyrene	88.4	
53-70-3	dibenz(a,h)anthracene	91.5	
191-24-2	benzo(g,h,i)perylene	87.4	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393115

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P210

Level: (low/med) LOW Date Received: 10/11/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	32.5	
106-46-7	1,4-dichlorobenzene	38.6	
621-64-7	N-nitroso-di-n-propylamine	44.1	
120-82-1	1,2,4-trichlorobenzene	35.6	
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	39.4	
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	43.5	
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393114

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P209

Level: (low/med) LOW Date Received: 10/11/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393116

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P211

Level: (low/med) LOW Date Received: 10/11/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/11/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	28.9	
106-46-7	1,4-dichlorobenzene	36.5	
621-64-7	N-nitroso-di-n-propylamine	39.6	
120-82-1	1,2,4-trichlorobenzene	32.2	
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	35.3	
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	42.3	
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC394187

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P511

Level: (low/med) LOW Date Received: 10/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/16/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC394188

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P512

Level: (low/med) LOW Date Received: 10/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/16/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	40.3	
106-46-7	1,4-dichlorobenzene	39.4	
621-64-7	N-nitroso-di-n-propylamine	52.0	
120-82-1	1,2,4-trichlorobenzene	44.2	
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	42.3	
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	37.0	
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC394189

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1P513

Level: (low/med) LOW Date Received: 10/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/16/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: _____(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	36.1	
106-46-7	1,4-dichlorobenzene	38.8	
621-64-7	N-nitroso-di-n-propylamine	49.5	
120-82-1	1,2,4-trichlorobenzene	40.6	
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	42.0	
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	39.2	
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MS

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392073

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P516

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	35.1	
106-46-7	1,4-dichlorobenzene	33.4	
621-64-7	N-nitroso-di-n-propylamine	38.4	
120-82-1	1,2,4-trichlorobenzene	36.8	
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	37.2	
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	45.2	
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392072

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P515

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	10.0	U
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	10.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MSD

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392074

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P517

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/08/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
121-14-2	2,4-dinitrotoluene	36.4	
106-46-7	1,4-dichlorobenzene	34.5	
621-64-7	N-nitroso-di-n-propylamine	38.2	
120-82-1	1,2,4-trichlorobenzene	37.5	
91-20-3	naphthalene	10.0	U
209-96-8	acenaphthylene	10.0	U
83-32-9	acenaphthene	37.8	
86-73-7	fluorene	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
206-44-0	fluoranthene	10.0	U
129-00-0	pyrene	50.8	
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	10.0	U
205-99-2	benzo(b)fluoranthene	10.0	U
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 6A140W
Volatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Volatile Organic Compounds by SW-846 Method 8240:

Sample Description	Laboratory Identification
TB09-100596	9610140-04
RB09-100796	9610140-06
TB10-100796	9610140-07
Blank	QC392783
Laboratory Control Sample (LCS)	QC392786
Laboratory Control Sample Duplicate (LCSD)	QC392787
XXXX-X Matrix Spike (MS)	QC392784
XXXX-X Matrix Spike Duplicate (MSD)	QC392785

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Bromofluorobenzene.

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses for the compounds of interest.

Holding Times

All samples were analyzed within the technical holding time.

Surrogate Analysis

The samples met surrogate recovery criteria.

Internal Standards

The samples met internal standard recovery criteria.

Blank Analysis

Acetone and toluene were detected in the blank at levels below the PQL. Thus, any samples performed on this day containing concentrations of the aforementioned compounds will be flagged with a "B".

Spike Analysis

The MS and MSD met quality control criteria for recovery and relative percent difference (RPD). However, the quality control was not performed on a Brown & Root sample since spikes are not required on rinse or trip blanks.

Laboratory Control Samples

The LCS and LCSD met quality control criteria for recoveries and RPD.

Dilutions

The samples were analyzed undiluted.

Additional Comments

The samples were analyzed using a capillary column.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392783

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D404B

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	2.5	J
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.38	J
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392783

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D404B

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392786

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D402LCS2

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	21.1	
74-83-9	bromomethane	23.1	
75-01-4	vinyl chloride	22.2	
75-00-3	chloroethane	24.9	
75-09-2	methylene chloride	20.9	
67-64-1	acetone	38.5	B
75-15-0	carbon disulfide	43.4	
75-35-4	1,1-dichloroethene	21.4	
75-34-3	1,1-dichloroethane	21.3	
156-60-5	trans-1,2-dichloroethene	21.3	
67-66-3	chloroform	22.0	
107-06-2	1,2-dichloroethane	20.5	
78-93-3	2-butanone	33.5	
71-55-6	1,1,1-trichloroethane	22.5	
56-23-5	carbon tetrachloride	22.4	
75-27-4	bromodichloromethane	22.0	
78-87-5	1,2-dichloropropane	20.9	
10061-01-5	cis-1,3-dichloropropene	20.0	
79-01-6	trichloroethene	21.9	
124-48-1	dibromochloromethane	20.9	
79-00-5	1,1,2-trichloroethane	19.5	
71-43-2	benzene	21.2	
10061-02-6	trans-1,3-dichloropropene	18.6	
75-25-2	bromoform	21.1	
108-10-1	4-methyl-2-pentanone	33.6	
591-78-6	2-hexanone	16.4	
127-18-4	tetrachloroethene	26.3	
79-34-5	1,1,2,2-tetrachloroethane	20.0	
108-88-3	toluene	19.0	B
108-90-7	chlorobenzene	20.4	
100-41-4	ethylbenzene	20.5	
100-42-5	styrene	22.1	
75-71-8	Dichlorodifluoromethane	21.4	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392786

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D402LCS2

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	36.4	
107-13-1	Acrylonitrile	192	
108-05-4	Vinyl Acetate	31.0	
107-02-8	Acrolein	276	
74-88-4	Iodomethane	43.9	
75-05-8	Acetonitrile	53.9	
107-05-1	Allyl Chloride	79.4	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	43.8	
78-83-1	Isobutyl Alcohol	180	
107-12-0	Propionitrile	89.7	
74-95-3	Dibromomethane	22.2	
80-62-6	Methyl methacrylate	46.7	
106-93-4	1,2-Dibromoethane	20.9	
630-20-6	1,1,1,2-Tetrachloroethane	21.2	
96-18-4	1,2,3-Trichloropropane	23.3	
110-57-6	trans-1,4-Dichloro-2-butene	43.9	
108-60-1	bis(2-Chloro-isopropyl)ether	92.9	
96-12-8	1,2-dibromo-3-chloropropane	18.2	
1330-20-7	xylenes (total)	60.9	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB09100596

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D420

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	0.16	J
67-64-1	acetone	7.8	JB
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.32	JB
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB09100596

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D420

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-X

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610014-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D406A

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-X

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610014-04

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D406A

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-XMS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392784

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D407A

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	19.1	
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	22.1	
75-34-3	1,1-dichloroethane	22.1	
156-60-5	trans-1,2-dichloroethene	22.2	
67-66-3	chloroform	22.1	
107-06-2	1,2-dichloroethane	21.1	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	23.2	
56-23-5	carbon tetrachloride	22.7	
75-27-4	bromodichloromethane	22.2	
78-87-5	1,2-dichloropropane	21.7	
10061-01-5	cis-1,3-dichloropropene	20.8	
79-01-6	trichloroethene	21.4	
124-48-1	dibromochloromethane	21.0	
79-00-5	1,1,2-trichloroethane	20.4	
71-43-2	benzene	21.7	
10061-02-6	trans-1,3-dichloropropene	20.1	
75-25-2	bromoform	20.4	
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	24.8	
79-34-5	1,1,2,2-tetrachloroethane	20.0	
108-88-3	toluene	20.1	B
108-90-7	chlorobenzene	21.3	
100-41-4	ethylbenzene	22.2	
100-42-5	styrene	22.5	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-XMS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392784

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D407A

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	22.3	
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	21.2	
630-20-6	1,1,1,2-Tetrachloroethane	22.1	
96-18-4	1,2,3-Trichloropropane	11.1	
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	18.3	
1330-20-7	xylenes (total)	65.9	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-XMSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392785

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D408A

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	17.9	
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	20.4	
75-34-3	1,1-dichloroethane	20.5	
156-60-5	trans-1,2-dichloroethene	20.5	
67-66-3	chloroform	20.6	
107-06-2	1,2-dichloroethane	21.0	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	21.4	
56-23-5	carbon tetrachloride	20.9	
75-27-4	bromodichloromethane	21.1	
78-87-5	1,2-dichloropropane	20.5	
10061-01-5	cis-1,3-dichloropropene	19.8	
79-01-6	trichloroethene	19.8	
124-48-1	dibromochloromethane	22.7	
79-00-5	1,1,2-trichloroethane	22.4	
71-43-2	benzene	20.1	
10061-02-6	trans-1,3-dichloropropene	21.4	
75-25-2	bromoform	23.5	
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	24.6	
79-34-5	1,1,2,2-tetrachloroethane	23.9	
108-88-3	toluene	20.2	B
108-90-7	chlorobenzene	21.5	
100-41-4	ethylbenzene	22.3	
100-42-5	styrene	22.7	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

XXXXXX-XMSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392785

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D408A

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	23.2	
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	24.1	
630-20-6	1,1,1,2-Tetrachloroethane	22.2	
96-18-4	1,2,3-Trichloropropane	13.9	
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	24.2	
1330-20-7	xylenes (total)	66.6	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392787

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D410LCSB

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	21.3	
74-83-9	bromomethane	23.5	
75-01-4	vinyl chloride	22.0	
75-00-3	chloroethane	23.5	
75-09-2	methylene chloride	19.2	
67-64-1	acetone	39.7	B
75-15-0	carbon disulfide	42.6	
75-35-4	1,1-dichloroethene	21.1	
75-34-3	1,1-dichloroethane	21.0	
156-60-5	trans-1,2-dichloroethene	21.2	
67-66-3	chloroform	21.1	
107-06-2	1,2-dichloroethane	20.3	
78-93-3	2-butanone	34.6	
71-55-6	1,1,1-trichloroethane	22.2	
56-23-5	carbon tetrachloride	21.8	
75-27-4	bromodichloromethane	21.1	
78-87-5	1,2-dichloropropane	20.4	
10061-01-5	cis-1,3-dichloropropene	20.0	
79-01-6	trichloroethene	21.2	
124-48-1	dibromochloromethane	20.8	
79-00-5	1,1,2-trichloroethane	20.0	
71-43-2	benzene	20.8	
10061-02-6	trans-1,3-dichloropropene	19.8	
75-25-2	bromoform	20.5	
108-10-1	4-methyl-2-pentanone	36.7	
591-78-6	2-hexanone	18.1	
127-18-4	tetrachloroethene	25.5	
79-34-5	1,1,2,2-tetrachloroethane	19.8	
108-88-3	toluene	19.5	B
108-90-7	chlorobenzene	20.9	
100-41-4	ethylbenzene	21.3	
100-42-5	styrene	21.8	
75-71-8	Dichlorodifluoromethane	21.4	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: QC392787

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D410LCSB

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	36.2	
107-13-1	Acrylonitrile	199	
108-05-4	Vinyl Acetate	31.2	
107-02-8	Acrolein	248	
74-88-4	Iodomethane	43.1	
75-05-8	Acetonitrile	55.6	
107-05-1	Allyl Chloride	27.1	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	46.4	
78-83-1	Isobutyl Alcohol	186	
107-12-0	Propionitrile	94.0	
74-95-3	Dibromomethane	21.5	
80-62-6	Methyl methacrylate	48.5	
106-93-4	1,2-Dibromoethane	21.2	
630-20-6	1,1,1,2-Tetrachloroethane	21.8	
96-18-4	1,2,3-Trichloropropane	25.4	
110-57-6	trans-1,4-Dichloro-2-butene	46.2	
108-60-1	bis(2-Chloro-isopropyl)ether	102	
96-12-8	1,2-dibromo-3-chloropropane	18.8	
1330-20-7	xylenes (total)	63.6	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB09100796

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D421

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	14.8	B
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	2.0	U
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB09100796

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-06

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D421

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB10100796

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D422

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	chloromethane	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	9.3	JB
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.32	JB
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB10100796

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A140W

Matrix: (soil/water) WATER Lab Sample ID: 9610140-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D422

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
75-69-4	Trichlorofluoromethane	2.0	U
107-13-1	Acrylonitrile	20.0	U
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	10.0	U
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	10.0	U
78-83-1	Isobutyl Alcohol	20.0	U
107-12-0	Propionitrile	20.0	U
74-95-3	Dibromomethane	2.0	U
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	2.0	U
630-20-6	1,1,1,2-Tetrachloroethane	2.0	U
96-18-4	1,2,3-Trichloropropane	2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	10.0	U
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	2.0	U
1330-20-7	xylenes (total)	4.0	U

CASE NARRATIVE
SDG 6A140W
Volatile Organic Analysis by GC

Sample Analysis

The following samples were analyzed for Volatile Aromatic compounds by EPA Method 602:

Sample Description	Laboratory Identification
ABMW-1	9610140-01
ABDPGW	9610140-02
ABMW-3	9610140-03
B6SW	9610140-05
Blank	QC392817
Laboratory Control Sample (LCS)	QC392818
Laboratory Control Sample Duplicate (LCSD)	QC392819
B6SW Matrix Spike (MS)	QC392820
B6SW Matrix Spike Duplicate (MSD)	QC392821

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses for the compounds of interest.

Holding Times

The samples were analyzed within the technical holding times.

Surrogate Analysis

The samples met surrogate acceptance criteria.

Internal Standards

The samples met internal standard recovery criteria.

Blank Analysis

Toluene and 1,2-Dichlorobenzene were detected in the method blank at levels below the practical quantitation limit (PQL). Thus, any samples performed on this day containing concentrations of the aforementioned compounds will be flagged with a "B".

Spike Analysis

The MS and MSD met quality control criteria for recoveries and relative percent difference (RPD).

Laboratory Control Samples

The LCS and LCSD samples met quality control criteria for recoveries and relative percent difference (RPD).

Dilutions

The samples were analyzed undiluted.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392818

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D41A

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	19.1	
71-43-2	benzene	18.5	
108-88-3	toluene	17.8	
100-41-4	ethylbenzene	19.6	
541-73-1	1,3-dichlorobenzene	19.6	
106-46-7	1,4-dichlorobenzene	22.6	
95-50-1	1,2-dichlorobenzene	20.2	
1330-20-7	xylenes (total)	63.2	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392817

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D43

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.6	J
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	1.3	J
1330-20-7	xylenes (total)	6.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392819

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D44

Level: (low/med) LOW Date Received: 10/10/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	18.4	
71-43-2	benzene	18.3	
108-88-3	toluene	17.3	
100-41-4	ethylbenzene	18.9	
541-73-1	1,3-dichlorobenzene	18.5	
106-46-7	1,4-dichlorobenzene	20.9	
95-50-1	1,2-dichlorobenzene	18.5	
1330-20-7	xylenes (total)	60.6	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-05

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D45

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.1	BJ
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	2.0	U
1330-20-7	xylenes (total)	6.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SWMS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392820

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D46

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	18.3	
71-43-2	benzene	18.0	
108-88-3	toluene	17.1	B
100-41-4	ethylbenzene	18.6	
541-73-1	1,3-dichlorobenzene	18.7	
106-46-7	1,4-dichlorobenzene	21.4	
95-50-1	1,2-dichlorobenzene	19.4	B
1330-20-7	xylenes (total)	59.8	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SWMSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC392821

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D47

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	18.0	
71-43-2	benzene	17.7	
108-88-3	toluene	16.9	B
100-41-4	ethylbenzene	18.3	
541-73-1	1,3-dichlorobenzene	18.5	
106-46-7	1,4-dichlorobenzene	21.1	
95-50-1	1,2-dichlorobenzene	19.2	B
1330-20-7	xylenes (total)	59.0	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-01

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D410

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.1	BJ
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	2.0	U
1330-20-7	xylenes (total)	6.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABDPGW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-02

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D411

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.1	BJ
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	2.0	U
1330-20-7	xylenes (total)	6.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABMW-3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A140W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610140-03

Sample wt/vol: 10 (g/ml) ml Lab File ID: B2D412

Level: (low/med) LOW Date Received: 10/07/96

% Moisture: not dec. _____ Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.1	BJ
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	2.0	U
1330-20-7	xylenes (total)	6.0	U

METALS DATA

CASE NARRATIVE
SDG 6A140W
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Analysis

Sample Analysis

The following samples were analyzed for TAL Metals by Method ILM03.0 and Cyanide by EPA 335.1:

Sample Description	Laboratory Identification
ABMW-1	9610140-01
ABDPGW	9610140-02
ABMW-3	9610140-03
B6SW	9610140-05
RB09-100796	9610140-06
Blank	QC391844 - Trace
	QC395500 - Hg
Laboratory Control Sample (LCS)	QC391845 - Trace
	QC395503 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC391846 - Trace
	QC395504 - Hg
RB09-100796 Matrix Spike (MS)	QC391848 - Trace
	QC395501 - Hg
RB09-100796 Duplicate (Dup)	QC391847 - Trace
	QC395502 - Hg

Instrument Calibration

All initial and continuing instrument calibration criteria established in the methodology were met for the analyses.

Holding Times

All samples were analyzed within the technical holding times.

Blank Analysis

Calcium, iron, and zinc were detected in the method blank at levels greater than the instrument detection limit (IDL), but lower than the contract reporting limit (CRDL). Aluminum, antimony, arsenic, barium, beryllium, cadmium, potassium, and sodium were below the negative IDL and are flagged with a "B".

Spike and Duplicate Analysis

One "N" flag resulted from the matrix spike analysis of sample RB09100796 for antimony. The post spike for antimony did not meet the criteria for recovery. All other analytes met the quality criteria for recovery and relative percent difference.

Laboratory Control Samples

The LCS and LCSD samples analyzed met quality control criteria for recoveries and RPD. The limits are generated by Statistical Proces Control (SPC).

Dilutions

All samples and associated sample quality control were analyzed initially at a two fold dilution due to high concentrations of magnesium, potassium, calcium and sodium. The method blank and laboratory control sample were analyzed without dilution.
Samples ABMW-1, ABDPGW, ABMW-3, and B6SW were diluted 200 fold for calcium, potassium, magnesium, and sodium.

Additional Comments

The serial dilution was not reported because it was performed on a rinse blank.

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABMW1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A140W

Matrix (soil/water): WATER Lab Sample ID: 9610140-01

Level (low/med): LOW__ Date Received: 10/07/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U		P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	4.0	U		P
7440393	Barium	32.9	B		P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.53	B		P
7440702	Calcium	562000	B		P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	8.0	B		P
7439896	Iron	205			P
7439921	Lead	4.3	B		P
7439954	Magnesium	1330000			P
7439965	Manganese	27.8	B		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	8.9	B		P
7440097	Potassium	394000	B		P
7782492	Selenium	4.0	U		P
7440224	Silver	2.0	U		P
7440235	Sodium	11300000			P
7440280	Thallium	5.3	B		P
7440622	Vanadium	2.0	U		P
7440666	Zinc	41.6			P
74908	Cyanide	1.4	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABDPGW

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A140W

Matrix (soil/water): WATER Lab Sample ID: 9610140-02

Level (low/med): LOW__ Date Received: 10/07/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U		P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	4.0	U		P
7440393	Barium	32.2	B		P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	559000	B		P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	9.8	B		P
7439896	Iron	200			P
7439921	Lead	3.0	U		P
7439954	Magnesium	1330000			P
7439965	Manganese	26.1	B		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	8.2	B		P
7440097	Potassium	388000	B		P
7782492	Selenium	4.0	U		P
7440224	Silver	2.0	U		P
7440235	Sodium	11200000			P
7440280	Thallium	4.6	B		P
7440622	Vanadium	2.0	U		P
7440666	Zinc	69.2			P
74908	Cyanide	1.4	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABMW3

1 Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A140W

Matrix (soil/water): WATER Lab Sample ID: 9610140-03

Level (low/med): LOW__ Date Received: 10/07/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U		P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	4.0	U		P
7440393	Barium	32.9	B		P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	603000	B		P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	66.6	B		P
7439921	Lead	3.0	U		P
7439954	Magnesium	1720000			P
7439965	Manganese	6.7	B		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	466000	B		P
7782492	Selenium	4.0	U		P
7440224	Silver	2.0	U		P
7440235	Sodium	14200000			P
7440280	Thallium	4.0	U		P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B6SW

1 Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A140W

Matrix (soil/water): WATER Lab Sample ID: 9610140-05

Level (low/med): LOW__ Date Received: 10/08/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U		P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	4.0	U		P
7440393	Barium	8.1	B		P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	444000	B		P
7440473	Chromium	2.0	U		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	4.0	U		P
7439921	Lead	3.0	U		P
7439954	Magnesium	1420000			P
7439965	Manganese	2.0	U		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	382000	B		P
7782492	Selenium	4.0	U		P
7440224	Silver	2.0	U		P
7440235	Sodium	11600000			P
7440280	Thallium	4.0	U		P
7440622	Vanadium	2.0	U		P
7440666	Zinc	2.0	U		P
74908	Cyanide	1.4	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB09100796

Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A140W

Matrix (soil/water): WATER Lab Sample ID: 9610140-06

Level (low/med): LOW__ Date Received: 10/08/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	28.0	U		P
7440360	Antimony	4.0	U	N	P
7440382	Arsenic	4.0	U		P
7440393	Barium	0.20	U		P
7440417	Beryllium	0.20	U		P
7440439	Cadmium	0.40	U		P
7440702	Calcium	411	B		P
7440473	Chromium	2.5	B		P
7440484	Cobalt	2.0	U		P
7440508	Copper	4.0	U		P
7439896	Iron	453			P
7439921	Lead	3.0	U		P
7439954	Magnesium	137	B		P
7439965	Manganese	14.8	B		P
7439976	Mercury	0.10	U		AV
7440020	Nickel	4.0	U		P
7440097	Potassium	20.0	U		P
7782492	Selenium	4.0	U		P
7440224	Silver	2.0	U		P
7440235	Sodium	1460	B		P
7440280	Thallium	4.0	U		P
7440622	Vanadium	2.0	U		P
7440666	Zinc	55.9			P
74908	Cyanide	1.4	U		AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: _____ Artifacts: _____

Comments:

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GENERAL CASE NARRATIVE

CASE NARRATIVE
for
Brown & Root Environmental
Aiken, SC 29803
SOUTHDIV CLEAN Contract N62467-94-D-0888

November 21, 1996

Laboratory Identification:

General Engineering Laboratories, Inc.

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29414

Telephone Number:

(803) 769-7391

Summary:

Sample receipt

The soil samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina on October 8, 1996, for Environmental Analyses. All sample containers arrived without any visible signs of tampering or breakage. The samples were delivered with chain of custody documentation and signatures.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
B8SS	9610172-01
B8SB	9610172-02
S7SB-24	9610172-03
S7SB-23	9610172-04
S7SB-21	9610172-05
S7DPSB	9610172-06
S7SB-22	9610172-07
S4SB-2	9610172-08
B6SB	9610172-09
B7SB	9610172-10
B4SB	9610172-11
B6SS	9610172-12

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(803) 556-8171 • Fax (803) 766-1178

Case Narrative

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL) Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are listed in the analytical case narratives. GEL references twenty-five compound names on the raw data and forms that are synonyms of the Brown & Root compound names, which are referenced on the electronic data deliverable (EDD). A cross-reference synonym table of the Brown & Root compound names and the corresponding GEL compound names is included in the package. Note, we have provided organic test codes which lists RDLs, PQLs and MDLs. The PQL and MDL values are uncorrected, because prep and moisture factors do not apply. The MDL and PQL values on the EDD are corrected for prep and moisture.

Data Package:

The enclosed data package contains the following sections: General Narrative, MDLs, Volatiles, Semivolatiles, Pesticides/PCB, Herbicides, Metals, Cyanide, Chain of Custody. The analytical sections contain the following information: case narrative, forms, sample raw data, initial calibration raw data, LCS control charts, hardcopy electronic data deliverable, and Nonconformance Reports (if applicable).

The following are definitions of qualifiers used by Organics:

U - The analytical result is a non-detect

J - The associated numerical value is below the Detection Limit (DL).

E - The concentration of the analyte exceeds the calibrated range of the instrument.

JN - Presumptiveevidence of presence of material at an estimated concentration (usually applied to TICs only).

P - This flag is used by the lab for pesticide/Aroclor PCB target analytes when there is greater than 25% analyte concentration difference between the two GC columns.

The following are definitions of reporting limits used at General Engineering Laboratories:

DL — Detection Limit: The minimum level of an analyte that can be determined (identified not quantified) with 99% confidence. The values are normally achieved by preparing and analyzing seven aliquots of laboratory water spiked 1 to 5 times the estimated MDL, taking the standard deviation and multiplying it against the one-tailed t-statistic at 99%. This computed value is then verified for reasonableness by repeating the study using the concentration found in the initial study, calculating an F-ratio, and computing the final limit. Sample specific preparation and dilution factors are applied to these limits when they are reported.

The detection limit is the minimum concentration of a substance that can be identified, measured, and reported with 99% confidence that the analyte concentration is above zero. It answers the question "Is It Present".

QL — Quantitation Limit: The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The QL is generally 5 to 10 times the MDL.

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However, it may be nominally chosen within these guidelines to simplify data reporting. For many analytes the QL analyte concentration is selected as the lowest non-zero standard in the calibration curve.

Sample QL's are highly matrix-dependent. Sample specific preparation and dilution factors are applied to these limits when they are reported

The QL is always ≥ DL

RL — Reporting Limit: Same as the QL except where driven by contract or client specifications. If the sample specific preparation and dilution factors cause the QL to be elevated above the RL, then the QL is used as the RL.

This data package, to the best of my knowledge, is in compliance with technical and administrative requirements.

Valerie S. Davis

Valerie S. Davis
Project Manager

fc:hali00396.112196

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Cross-Reference Synonym Table

B&R Parmname	GEL Parmname
1,1-DICHLOROETHENE	1,1-DICHLOROETHYLENE
1,3-DINITROBENZENE	m-DINITROBENZENE
2,4,5-TP (SILVEX)	SILVEX
2-CHLORO-1,3-BUTADIENE	CHOROPRENE
2-METHYL-4,6-DINITROPHENOL	4,6-DINITRO-2-METHYLPHENOL
BIS(2-CHLOROISOPROPYL)ETHER	BIS(2-CHLOROMETHYLETHYL)ETHER
BROMODICHLOROMETHANE	DICHLOROBROMOMETHANE
BROMOMETHANE	METHYL BROMIDE
CHLOROMETHANE	METHYL CHLORIDE
CIS-1,2-DICHLOROETHENE	1,2-CIS-DICHLOROTHYLENE
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROYLENE
CORROSIVITY (pH)	CORROSIVITY
ENDOSULFAN-1	ENDOSULFAN 1
ETHYL CYANIDE	PROPIONITRILE
IODOMETHANE	METHYL IODIDE
M&P-CRESOL	3-METHYLPHENOL,4-METHYLPHENOL
N-NITROSODIMETHYLAMINE	N-METHYL-N-NITROSOMETHYLAMINE
O,O,O-TRIETHLYPHOSPHOROTHIOATE	TRIETHYLPHOSPHOROTHIOATE
P-DIMETHYLAMINOAZOBENZENE	P-(DIMETHYLAMINO)AZOBENZE
SULFOTEP	SULFOTEPP
TETRACHLOROETHENE	TETRACHLOROETHYLENE
THIONAZIN	THIONAZINE
TRANS-1,2-DICHLOROETHENE	1-2,TRANS-DICHLOROETHYLENE
TRANS-1,3-DICHLOROPROPENE	TRANS-1,3-DICHLOROPROPYLENE
TRICHLOROETHENE	TRICHLOROETHYLENE

HERBICIDE/PESTICIDES/PCB DATA

CASE NARRATIVE
SDG 6A172S
Herbicide Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Herbicides by SW-846 Method 8150:

Sample Description	Laboratory Identification
B8SS	9610172-01
B8SB	9610172-02
S7SB-24	9610172-03
S7SB-23	9610172-04
S7SB-21	9610172-05
S7DPSB	9610172-06
S7SB-22	9610172-07
S4SB-2	9610172-08
B6SB	9610172-09
B7SB	9610172-10
B4SB	9610172-11
B6SS	9610172-12
Blank	QC395358/QC394680
Laboratory Control Sample (LCS)	QC395359/QC394681
Laboratory Control Sample Duplicate (LCSD)	QC395360/QC394682
S7DPSS Matrix Spike (MS)	QC395361
S7DPSS Matrix Spike Duplicate (MSD)	QC395362
S4SB-2 MS	QC394683
S4SB-2 MSD	QC394684

Instrument Calibration

Initial and continuing calibration criteria established in the methodology were met for all analyses for the compounds of interest.

Holding Times

All samples were initially analyzed within the technical holding times. However, due to QC not meeting quality control criteria, samples B8SS, B8SB, S7SB-24, S7SB-23, S7SB-21, S7DPSB, and S7SB-22 were re-extracted out of holding.

Surrogate Analysis

The surrogates met quality control acceptance criteria.

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

The MS and MSD of sample S4SB-2 did not meet recovery criteria for 2,4,5-T. However, the relative percent difference (RPD) was acceptable. and MSD met quality control criteria for recoveries and RPD.

Laboratory Control Samples

The LCS and LCSD analyzed met quality control criteria for recoveries and RPD. The limits are generated by statistical proces control (SPC).

Dilutions

The samples were analyzed at the standard 10x dilution.

Additional Comments

Due to variations in the automatic baseline integrations between the two columns DB-608 served as primary column under whic all quantitative values were reported. DB-5 ws used only for qualitative secondary column purposes.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393761

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 059R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.0	U
95-76-5	2,4,5-T	2.0	U
93-72-1	2,4,5-TP	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393762

Sample wt/vol: 50.8 (g/mL) g Lab File ID: 060R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.5	
95-76-5	2,4,5-T	12.5	
93-72-1	2,4,5-TP	15.8	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MSD

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393763

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 061R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.0	U
95-76-5	2,4,5-T	13.9	
93-72-1	2,4,5-TP	17.2	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MS

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393764

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 062R0101

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.2	U
95-76-5	2,4,5-T	22.4	
93-72-1	2,4,5-TP	31.6	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05MSD

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393765

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 063R0101

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.2	U
95-76-5	2,4,5-T	27.2	
93-72-1	2,4,5-TP	38.8	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-01

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 072R0101

% Moisture: 30 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	28.4	U
95-76-5	2,4,5-T	28.4	U
93-72-1	2,4,5-TP	28.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SB

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-02

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 073R0101

% Moisture: 18 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.4	U
95-76-5	2,4,5-T	2.4	U
93-72-1	2,4,5-TP	2.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-24

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-03

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 074R0101

% Moisture: 21 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	25.0	U
95-76-5	2,4,5-T	25.0	U
93-72-1	2,4,5-TP	25.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-23

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-04

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 075R0101

% Moisture: 34 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	13.4	
95-76-5	2,4,5-T	7.2	
93-72-1	2,4,5-TP	3.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-21

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-05

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 076R0101

% Moisture: 23 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.6	U
95-76-5	2,4,5-T	2.6	U
93-72-1	2,4,5-TP	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSB

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-06

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 078R0101

% Moisture: 31 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.9	U
95-76-5	2,4,5-T	6.7	
93-72-1	2,4,5-TP	6.5	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-22

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-07

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 079R0101

% Moisture: 36 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	3.1	U
95-76-5	2,4,5-T	3.1	U
93-72-1	2,4,5-TP	3.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SS-05

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-08

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 062R0101

% Moisture: 68 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/20/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.2	U
95-76-5	2,4,5-T	6.2	U
93-72-1	2,4,5-TP	6.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394680

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 052R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.0	U
95-76-5	2,4,5-T	2.0	U
93-72-1	2,4,5-TP	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394681

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 053R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	15.3	P
95-76-5	2,4,5-T	15.6	P
93-72-1	2,4,5-TP	17.6	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394682

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 055R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/26/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	16.1	
95-76-5	2,4,5-T	15.7	
93-72-1	2,4,5-TP	17.3	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394683

Sample wt/vol: 50.8 (g/mL) g Lab File ID: 056R0101

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/26/96

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	13.8	P
95-76-5	2,4,5-T	8.7	P
93-72-1	2,4,5-TP	14.5	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394684

Sample wt/vol: 50.8 (g/mL) g Lab File ID: 057R0101

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	19.1	P
95-76-5	2,4,5-T	9.2	P
93-72-1	2,4,5-TP	16.2	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-08

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 058R0101

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.3	U
95-76-5	2,4,5-T	2.3	U
93-72-1	2,4,5-TP	2.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SB

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-09

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 059R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.6	U
95-76-5	2,4,5-T	2.6	U
93-72-1	2,4,5-TP	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SB

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-10

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 060R0101

% Moisture: 16 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.4	U
95-76-5	2,4,5-T	2.4	U
93-72-1	2,4,5-TP	2.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SB

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-11

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 061R0101

% Moisture: 22 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.6	U
95-76-5	2,4,5-T	2.6	U
93-72-1	2,4,5-TP	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-12

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 062R0101

% Moisture: 61 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	5.1	U
95-76-5	2,4,5-T	5.1	U
93-72-1	2,4,5-TP	5.1	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK03

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC395358

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 063R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/22/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.0	U
95-76-5	2,4,5-T	2.0	U
93-72-1	2,4,5-TP	2.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK03MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC395359

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 064R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/22/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	15.4	P
95-76-5	2,4,5-T	16.3	
93-72-1	2,4,5-TP	17.7	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

HBLK03MSD

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC395360

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 066R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/22/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	19.7	
95-76-5	2,4,5-T	17.5	
93-72-1	2,4,5-TP	19.3	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S7DPSSRRMS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC395361

Sample wt/vol: 50.0 (g/mL) g Lab File ID: 067R0101

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	59.3	P
95-76-5	2,4,5-T	41.9	P
93-72-1	2,4,5-TP	60.4	P

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S7DPSSRRMSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC395362

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 068R0101

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	60.7	
95-76-5	2,4,5-T	42.9	P
93-72-1	2,4,5-TP	61.6	

FORM 1 Brown & Root Environ08-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

B8SSRR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-01

Sample wt/vol: 51.0 (g/mL) g Lab File ID: 077R0101

% Moisture: 30 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.8	U
95-76-5	2,4,5-T	2.8	U
93-72-1	2,4,5-TP	2.8	U

FORM 1 Brown & Root Environ08-OCT-1996 SA

PESTICIDE ORGANICS ANALYSIS DATA SHEET

B8SBRR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-02

Sample wt/vol: 50.0 (g/mL) g Lab File ID: 078R0101

% Moisture: 18 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.4	U
95-76-5	2,4,5-T	2.4	U
93-72-1	2,4,5-TP	2.4	U

FORM 1 Brown & Root Environ08-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

S7SB-24RR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-03

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 079R0101

% Moisture: 21 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.5	U
95-76-5	2,4,5-T	2.5	U
93-72-1	2,4,5-TP	2.5	U

FORM 1 Brown & Root Environ08-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

S7SB-23RR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-04

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 080R0101

% Moisture: 34 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	3.0	U
95-76-5	2,4,5-T	3.0	U
93-72-1	2,4,5-TP	3.0	U

FORM 1 Brown & Root Environ08-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

S7SB-21RR

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-05

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 081R0101

% Moisture: 23 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.6	U
95-76-5	2,4,5-T	2.6	U
93-72-1	2,4,5-TP	2.6	U

FORM 1 Brown & Root Environ08-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

S7DPSBRR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-06

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 082R0101

% Moisture: 31 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	2.9	U
95-76-5	2,4,5-T	2.9	U
93-72-1	2,4,5-TP	2.9	U

FORM 1 Brown & Root Environ08-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

S7SB-22RR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-07

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 083R0101

% Moisture: 36 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	3.1	U
95-76-5	2,4,5-T	3.1	U
93-72-1	2,4,5-TP	3.1	U

FORM 1 Brown & Root Environ03-OCT-1996 SA
PESTICIDE ORGANICS ANALYSIS DATA SHEET

S7DPSSRR

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A055S

Matrix: (soil/water) SOIL Lab Sample ID: 9610055-09

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 070R0101

% Moisture: 71 decanted: (Y/N) N Date Received: 10/03/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/22/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/26/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
1928-38-7	2,4-D	6.8	U
95-76-5	2,4,5-T	6.8	U
93-72-1	2,4,5-TP	6.8	U

CASE NARRATIVE
SDG 6A172S
Pesticide/PCB Analysis by GC/ECD

Sample Analysis

The following samples were analyzed for Appendix 9 Pesticides/PCB by SW-846 Method 8080:

Sample Description	Laboratory Identification
B8SS	9610172-01
B8SB	9610172-02
S7SB-24	9610172-03
S7SB-23	9610172-04
S7SB-21	9610172-05
S7DPSB	9610172-06
S7SB-22	9610172-07
S4SB-2	9610172-08
B6SB	9610172-09
B7SB	9610172-10
B4SB	9610172-11
B6SS	9610172-12
Blank	QC394491
Laboratory Control Sample (LCS)	QC394492/QC394496
Laboratory Control Sample Duplicate (LCSD)	QC394493/QC394497
S4SB-2 Matrix Spike (MS)	QC394494/QC394498
S4SB-2 Matrix Spike Duplicate (MSD)	QC394495/QC394499

Instrument Calibration

Methoxychlor failed high on DB-5 and 608, but there were no reported concentrations of the compound in samples bracketed by this standard (INDA03). Methoxychlor also failed high on 11/12/96 and 11/14/96 (DB-5). Endosulfan I read low on 11/12/96 (DB-5). Sample B8SS had a concentration of Endosulfan I above the PQL for column 608, and a concentraion below the PQL on DB-5. The higher of the 2 numbers was reported.

Holding Times

The samples were analyzed within the technical holding times.

Surrogate Analysis

The samples met surrogate recovery criteria.

Blank Analysis

No target analytes were detected in the method blank above the PQL.

Spike Analysis

The MS did not meet recovery criteria for 4'4-DDD. All other compounds met recovery criteria and the MSD met relative percent difference (RPD) criteria.

Laboratory Control Samples

The LCS and LCSD did not meet recovery criteria for Heptachlor. The MS and MSD can be used to establish accuracy and precision.

Dilutions

In order to quantitate target analytes within the calibration range of the analytical equipment, samples S7SB-24 and S7SB-22 were diluted 1:5, sample S7SB-23 was diluted 1:20, sample B7SB was diluted 1:10 and 1:20, and sample B4SB was diluted 1:100. Sample S7DPSB was analyzed at a 1:20 dilution due to matrix interference.

Additional Comments

Sample S7SB-21 contained a lot of ECD active material. Chlordane and Toxaphene were reported on the quantitation report. However, after comparing this sample to chromatograms of Toxaphene and Chlordane, it was concluded that these analytes were not present. Scaled versions of both columns are included in the deliverable.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04

Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394491

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 013R0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.66	U
319-85-7	beta-BHC	0.66	U
319-86-8	delta-BHC	0.66	U
58-89-9	gamma-BHC	0.66	U
76-44-8	Heptachlor	0.66	U
309-00-2	Aldrin	0.66	U
1024-57-3	Heptachlor epoxide	0.66	U
959-98-8	Endosulfan I	0.66	U
60-57-1	Dieldrin	1.3	U
72-55-9	4,4'-DDE	1.3	U
72-20-8	Endrin	1.3	U
33213-65-9	Endosulfan II	1.3	U
72-54-8	4,4'-DDD	1.3	U
1031-07-8	Endosulfan sulfate	1.3	U
50-29-3	4,4'-DDT	1.3	U
72-43-5	Methoxychlor	6.6	U
7421-93-4	Endrin aldehyde	1.3	U
8001-35-2	Toxaphene	33.0	U
12674-11-2	Aroclor-1016	4.1	U
11104-28-2	Aroclor-1221	4.1	U
1114-16-5	Aroclor-1232	4.1	U
53469-21-9	Aroclor-1242	4.1	U
12672-29-6	Aroclor-1248	4.1	U
11097-69-1	Aroclor-1254	4.1	U
11096-82-5	Aroclor-1260	4.1	U
57-74-9	Chlordane	8.3	U
298-02-2	Phorate	1.6	U
298-00-0	Parathion, methyl	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394491

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 013R0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394492

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 014R0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	41.1	U
11096-82-5	Aroclor-1260	127	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04MS

Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394493

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 015R0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	4.0	
319-85-7	beta-BHC	4.0	
319-86-8	delta-BHC	3.4	
58-89-9	gamma-BHC	3.7	
76-44-8	Heptachlor	3.8	
309-00-2	Aldrin	3.1	
1024-57-3	Heptachlor epoxide	3.0	
959-98-8	Endosulfan I	4.1	P
60-57-1	Dieldrin	3.4	P
72-55-9	4,4'-DDE	3.0	P
72-20-8	Endrin	3.8	
33213-65-9	Endosulfan II	3.4	
72-54-8	4,4'-DDD	3.6	
1031-07-8	Endosulfan sulfate	2.9	
50-29-3	4,4'-DDT	3.4	P
72-43-5	Methoxychlor	18.1	
7421-93-4	Endrin aldehyde	4.0	P
8001-35-2	Toxaphene	32.6	U
12674-11-2	Aroclor-1016	4.1	U
11104-28-2	Aroclor-1221	4.1	U
1114-16-5	Aroclor-1232	4.1	U
53469-21-9	Aroclor-1242	4.1	U
12672-29-6	Aroclor-1248	4.1	U
11097-69-1	Aroclor-1254	4.1	U
11096-82-5	Aroclor-1260	4.1	U
57-74-9	Chlordane	8.1	U
298-02-2	Phorate	1.6	U
298-00-0	Parathion, methyl	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394493

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 015R0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394496

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 018R0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	3.8	
319-85-7	beta-BHC	3.5	
319-86-8	delta-BHC	3.2	
58-89-9	gamma-BHC	3.6	
76-44-8	Heptachlor	3.8	
309-00-2	Aldrin	3.0	
1024-57-3	Heptachlor epoxide	2.9	
959-98-8	Endosulfan I	3.4	
60-57-1	Dieldrin	3.4	P
72-55-9	4,4'-DDE	2.9	P
72-20-8	Endrin	3.7	
33213-65-9	Endosulfan II	3.0	
72-54-8	4,4'-DDD	4.0	
1031-07-8	Endosulfan sulfate	2.7	
50-29-3	4,4'-DDT	3.2	P
72-43-5	Methoxychlor	17.4	
7421-93-4	Endrin aldehyde	3.8	P
8001-35-2	Toxaphene	32.6	U
12674-11-2	Aroclor-1016	4.1	U
11104-28-2	Aroclor-1221	4.1	U
1114-16-5	Aroclor-1232	4.1	U
53469-21-9	Aroclor-1242	4.1	U
12672-29-6	Aroclor-1248	4.1	U
11097-69-1	Aroclor-1254	4.1	U
11096-82-5	Aroclor-1260	4.1	U
57-74-9	Chlordane	8.2	U
298-02-2	Phorate	1.6	U
298-00-0	Parathion, methyl	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394496

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 018R0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK04MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394497

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 019R0201

% Moisture: 0 decanted: (Y/N) N Date Received: 10/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	41.3	U
11096-82-5	Aroclor-1260	126	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394494

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 016R0201

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	4.0	
319-85-7	beta-BHC	4.4	
319-86-8	delta-BHC	3.7	
58-89-9	gamma-BHC	4.0	
76-44-8	Heptachlor	3.9	
309-00-2	Aldrin	3.7	
1024-57-3	Heptachlor epoxide	3.3	
959-98-8	Endosulfan I	4.3	P
60-57-1	Dieldrin	4.7	P
72-55-9	4,4'-DDE	3.4	P
72-20-8	Endrin	4.5	
33213-65-9	Endosulfan II	3.3	
72-54-8	4,4'-DDD	5.5	P
1031-07-8	Endosulfan sulfate	3.7	P
50-29-3	4,4'-DDT	5.5	P
72-43-5	Methoxychlor	22.6	
7421-93-4	Endrin aldehyde	4.8	P
8001-35-2	Toxaphene	37.6	U
12674-11-2	Aroclor-1016	4.7	U
11104-28-2	Aroclor-1221	4.7	U
1114-16-5	Aroclor-1232	4.7	U
53469-21-9	Aroclor-1242	4.7	U
12672-29-6	Aroclor-1248	4.7	U
11097-69-1	Aroclor-1254	4.7	U
11096-82-5	Aroclor-1260	4.7	U
57-74-9	Chlordane	9.4	U
298-02-2	Phorate	1.9	U
298-00-0	Parathion, methyl	1.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394494

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 016R0201

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394495

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 017R0201

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	46.4	U
11096-82-5	Aroclor-1260	146	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394499

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 021R0201

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 11/12/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	4.4	
319-85-7	beta-BHC	4.6	
319-86-8	delta-BHC	3.8	
58-89-9	gamma-BHC	4.3	
76-44-8	Heptachlor	4.1	
309-00-2	Aldrin	4.0	
1024-57-3	Heptachlor epoxide	3.5	
959-98-8	Endosulfan I	4.6	P
60-57-1	Dieldrin	7.9	
72-55-9	4,4'-DDE	3.4	P
72-20-8	Endrin	4.8	
33213-65-9	Endosulfan II	3.5	P
72-54-8	4,4'-DDD	5.2	P
1031-07-8	Endosulfan sulfate	3.8	P
50-29-3	4,4'-DDT	5.6	P
72-43-5	Methoxychlor	23.2	
7421-93-4	Endrin aldehyde	4.4	P
8001-35-2	Toxaphene	37.1	U
12674-11-2	Aroclor-1016	4.6	U
11104-28-2	Aroclor-1221	4.6	U
1114-16-5	Aroclor-1232	4.6	U
53469-21-9	Aroclor-1242	4.6	U
12672-29-6	Aroclor-1248	4.6	U
11097-69-1	Aroclor-1254	4.6	U
11096-82-5	Aroclor-1260	4.6	U
57-74-9	Chlordane	9.3	U
298-02-2	Phorate	1.8	U
298-00-0	Parathion, methyl	1.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394499

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 021R0201

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.8	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MSD

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394498

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 020R0201

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2	Aroclor-1016	46.9	U
11096-82-5	Aroclor-1260	139	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-02

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 038F0201

% Moisture: 18 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.81	U
319-85-7	beta-BHC	0.81	U
319-86-8	delta-BHC	0.81	U
58-89-9	gamma-BHC	0.81	U
76-44-8	Heptachlor	0.81	U
309-00-2	Aldrin	0.81	U
1024-57-3	Heptachlor epoxide	0.81	U
959-98-8	Endosulfan I	1.0	
60-57-1	Dieldrin	1.6	U
72-55-9	4,4'-DDE	1.8	
72-20-8	Endrin	1.6	U
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	1.6	U
1031-07-8	Endosulfan sulfate	1.6	U
50-29-3	4,4'-DDT	1.8	
72-43-5	Methoxychlor	8.1	U
7421-93-4	Endrin aldehyde	1.6	U
8001-35-2	Toxaphene	40.4	U
12674-11-2	Aroclor-1016	5.0	U
11104-28-2	Aroclor-1221	5.0	U
1114-16-5	Aroclor-1232	5.0	U
53469-21-9	Aroclor-1242	5.0	U
12672-29-6	Aroclor-1248	5.0	U
11097-69-1	Aroclor-1254	5.0	U
11096-82-5	Aroclor-1260	5.0	U
57-74-9	Chlordane	10.1	U
298-02-2	Phorate	2.0	U
298-00-0	Parathion, methyl	2.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-02

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 038F0201

% Moisture: 18 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	2.0	U

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SS

Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-01

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 037F0201

% Moisture: 30 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.93	U
319-85-7	beta-BHC	0.93	U
319-86-8	delta-BHC	0.93	U
58-89-9	gamma-BHC	0.93	U
76-44-8	Heptachlor	0.93	U
309-00-2	Aldrin	0.93	U
1024-57-3	Heptachlor epoxide	0.93	U
959-98-8	Endosulfan I	1.6	P
60-57-1	Dieldrin	1.9	U
72-55-9	4,4'-DDE	1.9	U
72-20-8	Endrin	1.4	JP
33213-65-9	Endosulfan II	1.9	U
72-54-8	4,4'-DDD	1.9	U
1031-07-8	Endosulfan sulfate	1.9	U
50-29-3	4,4'-DDT	1.9	U
72-43-5	Methoxychlor	9.3	U
7421-93-4	Endrin aldehyde	1.9	U
8001-35-2	Toxaphene	46.6	U
12674-11-2	Aroclor-1016	5.8	U
11104-28-2	Aroclor-1221	5.8	U
1114-16-5	Aroclor-1232	5.8	U
53469-21-9	Aroclor-1242	5.8	U
12672-29-6	Aroclor-1248	5.8	U
11097-69-1	Aroclor-1254	5.8	U
11096-82-5	Aroclor-1260	5.8	U
57-74-9	Chlordane	11.6	U
298-02-2	Phorate	2.3	U
298-00-0	Parathion, methyl	2.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-01

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 037F0201

% Moisture: 30 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	2.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-24

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-03

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 026R0201

% Moisture: 21 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	4.2	U
319-85-7	beta-BHC	4.2	U
319-86-8	delta-BHC	4.2	U
58-89-9	gamma-BHC	4.2	U
76-44-8	Heptachlor	4.2	U
309-00-2	Aldrin	4.2	U
1024-57-3	Heptachlor epoxide	4.2	U
959-98-8	Endosulfan I	4.2	U
60-57-1	Dieldrin	8.4	U
72-55-9	4,4'-DDE	23.3	
72-20-8	Endrin	8.4	U
33213-65-9	Endosulfan II	8.4	U
72-54-8	4,4'-DDD	11.5	
1031-07-8	Endosulfan sulfate	8.4	U
50-29-3	4,4'-DDT	9.3	P
72-43-5	Methoxychlor	42.0	U
7421-93-4	Endrin aldehyde	8.4	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	26.2	U
11104-28-2	Aroclor-1221	26.2	U
1114-16-5	Aroclor-1232	26.2	U
53469-21-9	Aroclor-1242	26.2	U
12672-29-6	Aroclor-1248	26.2	U
11097-69-1	Aroclor-1254	26.2	U
11096-82-5	Aroclor-1260	26.2	U
57-74-9	Chlordane	52.5	U
298-02-2	Phorate	10.5	U
298-00-0	Parathion, methyl	10.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-24

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-03

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 026R0201

% Moisture: 21 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	10.5	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-23

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 018R0201

% Moisture: 34 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	21.3	
319-85-7	beta-BHC	20.1	U
319-86-8	delta-BHC	20.1	U
58-89-9	gamma-BHC	20.1	U
76-44-8	Heptachlor	20.1	U
309-00-2	Aldrin	20.1	U
1024-57-3	Heptachlor epoxide	20.1	U
959-98-8	Endosulfan I	20.1	JP
60-57-1	Dieldrin	40.2	U
72-55-9	4,4'-DDE	44.2	P
72-20-8	Endrin	28.3	J
33213-65-9	Endosulfan II	40.2	U
72-54-8	4,4'-DDD	45.1	P
1031-07-8	Endosulfan sulfate	40.2	U
50-29-3	4,4'-DDT	32.2	JP
72-43-5	Methoxychlor	201	U
7421-93-4	Endrin aldehyde	40.2	U
8001-35-2	Toxaphene	1010	U
12674-11-2	Aroclor-1016	126	U
11104-28-2	Aroclor-1221	126	U
1114-16-5	Aroclor-1232	126	U
53469-21-9	Aroclor-1242	126	U
12672-29-6	Aroclor-1248	126	U
11097-69-1	Aroclor-1254	126	U
11096-82-5	Aroclor-1260	126	U
57-74-9	Chlordane	252	U
298-02-2	Phorate	50.3	U
298-00-0	Parathion, methyl	50.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-23

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 018R0201

% Moisture: 34 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	50.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-21

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-05

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 019R0201

% Moisture: 23 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.86	U
319-85-7	beta-BHC	0.86	U
319-86-8	delta-BHC	0.86	U
58-89-9	gamma-BHC	0.86	U
76-44-8	Heptachlor	2.8	
309-00-2	Aldrin	0.86	U
1024-57-3	Heptachlor epoxide	0.89	P
959-98-8	Endosulfan I	2.3	P
60-57-1	Dieldrin	1.7	U
72-55-9	4,4'-DDE	4.0	P
72-20-8	Endrin	1.7	U
33213-65-9	Endosulfan II	1.2	J
72-54-8	4,4'-DDD	2.7	
1031-07-8	Endosulfan sulfate	1.7	U
50-29-3	4,4'-DDT	2.1	P
72-43-5	Methoxychlor	8.6	U
7421-93-4	Endrin aldehyde	2.5	P
8001-35-2	Toxaphene	43.1	U
12674-11-2	Aroclor-1016	5.4	U
11104-28-2	Aroclor-1221	5.4	U
1114-16-5	Aroclor-1232	5.4	U
53469-21-9	Aroclor-1242	5.4	U
12672-29-6	Aroclor-1248	5.4	U
11097-69-1	Aroclor-1254	5.4	U
11096-82-5	Aroclor-1260	5.4	U
57-74-9	Chlordane	10.8	U
298-02-2	Phorate	2.2	U
298-00-0	Parathion, methyl	2.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-21

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-05

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 019R0201

% Moisture: 23 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	2.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 020R0201

% Moisture: 31 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	21.9	
319-85-7	beta-BHC	19.2	U
319-86-8	delta-BHC	19.2	U
58-89-9	gamma-BHC	19.2	U
76-44-8	Heptachlor	19.2	U
309-00-2	Aldrin	19.2	U
1024-57-3	Heptachlor epoxide	19.2	U
959-98-8	Endosulfan I	19.2	U
60-57-1	Dieldrin	38.5	U
72-55-9	4,4'-DDE	38.5	U
72-20-8	Endrin	38.5	U
33213-65-9	Endosulfan II	38.5	U
72-54-8	4,4'-DDD	38.5	U
1031-07-8	Endosulfan sulfate	38.5	U
50-29-3	4,4'-DDT	38.5	U
72-43-5	Methoxychlor	192	U
7421-93-4	Endrin aldehyde	38.5	U
8001-35-2	Toxaphene	962	U
12674-11-2	Aroclor-1016	120	U
11104-28-2	Aroclor-1221	120	U
1114-16-5	Aroclor-1232	120	U
53469-21-9	Aroclor-1242	120	U
12672-29-6	Aroclor-1248	120	U
11097-69-1	Aroclor-1254	120	U
11096-82-5	Aroclor-1260	120	U
57-74-9	Chlordane	240	U
298-02-2	Phorate	48.1	U
298-00-0	Parathion, methyl	48.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-06

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 020R0201

% Moisture: 31 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	48.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-22

Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-07

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 030R0201

% Moisture: 36 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	5.1	U
319-85-7	beta-BHC	5.1	U
319-86-8	delta-BHC	5.1	U
58-89-9	gamma-BHC	5.1	U
76-44-8	Heptachlor	5.1	U
309-00-2	Aldrin	5.1	U
1024-57-3	Heptachlor epoxide	5.1	U
959-98-8	Endosulfan I	5.9	P
60-57-1	Dieldrin	10.2	U
72-55-9	4,4'-DDE	20.1	
72-20-8	Endrin	7.1	J
33213-65-9	Endosulfan II	10.2	U
72-54-8	4,4'-DDD	15.4	
1031-07-8	Endosulfan sulfate	10.2	U
50-29-3	4,4'-DDT	21.6	P
72-43-5	Methoxychlor	51.3	U
7421-93-4	Endrin aldehyde	10.2	U
8001-35-2	Toxaphene	256	U
12674-11-2	Aroclor-1016	32.1	U
11104-28-2	Aroclor-1221	32.1	U
1114-16-5	Aroclor-1232	32.1	U
53469-21-9	Aroclor-1242	32.1	U
12672-29-6	Aroclor-1248	32.1	U
11097-69-1	Aroclor-1254	32.1	U
11096-82-5	Aroclor-1260	32.1	U
57-74-9	Chlordane	64.1	U
298-02-2	Phorate	12.8	U
298-00-0	Parathion, methyl	12.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-22

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-07

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 030R0201

% Moisture: 36 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	12.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-08

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 031R0201

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.76	U
319-85-7	beta-BHC	0.76	U
319-86-8	delta-BHC	0.76	U
58-89-9	gamma-BHC	0.76	U
76-44-8	Heptachlor	0.76	U
309-00-2	Aldrin	0.76	U
1024-57-3	Heptachlor epoxide	0.76	U
959-98-8	Endosulfan I	1.4	P
60-57-1	Dieldrin	1.5	U
72-55-9	4,4'-DDE	1.5	U
72-20-8	Endrin	1.5	U
33213-65-9	Endosulfan II	1.5	U
72-54-8	4,4'-DDD	1.5	U
1031-07-8	Endosulfan sulfate	1.5	U
50-29-3	4,4'-DDT	1.5	U
72-43-5	Methoxychlor	7.6	U
7421-93-4	Endrin aldehyde	1.5	U
8001-35-2	Toxaphene	37.8	U
12674-11-2	Aroclor-1016	4.7	U
11104-28-2	Aroclor-1221	4.7	U
1114-16-5	Aroclor-1232	4.7	U
53469-21-9	Aroclor-1242	4.7	U
12672-29-6	Aroclor-1248	4.7	U
11097-69-1	Aroclor-1254	4.7	U
11096-82-5	Aroclor-1260	4.7	U
57-74-9	Chlordane	9.5	U
298-02-2	Phorate	1.9	U
298-00-0	Parathion, methyl	1.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-08

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 031R0201

% Moisture: 12 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/12/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	1.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 021R0201

% Moisture: 25 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.88	U
319-85-7	beta-BHC	0.88	U
319-86-8	delta-BHC	0.88	U
58-89-9	gamma-BHC	0.88	U
76-44-8	Heptachlor	0.88	U
309-00-2	Aldrin	0.88	U
1024-57-3	Heptachlor epoxide	0.88	U
959-98-8	Endosulfan I	3.5	P
60-57-1	Dieldrin	1.8	U
72-55-9	4,4'-DDE	1.8	U
72-20-8	Endrin	1.2	JP
33213-65-9	Endosulfan II	1.8	U
72-54-8	4,4'-DDD	2.0	P
1031-07-8	Endosulfan sulfate	1.8	U
50-29-3	4,4'-DDT	2.1	P
72-43-5	Methoxychlor	13.2	P
7421-93-4	Endrin aldehyde	1.8	U
8001-35-2	Toxaphene	44.1	U
12674-11-2	Aroclor-1016	5.5	U
11104-28-2	Aroclor-1221	5.5	U
1114-16-5	Aroclor-1232	5.5	U
53469-21-9	Aroclor-1242	5.5	U
12672-29-6	Aroclor-1248	5.5	U
11097-69-1	Aroclor-1254	5.5	U
11096-82-5	Aroclor-1260	5.5	U
57-74-9	Chlordane	11.0	U
298-02-2	Phorate	2.2	U
298-00-0	Parathion, methyl	2.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 021R0201

% Moisture: 25 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	2.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SB

ab Name: GENERAL ENGINEERING LABS Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-10

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 031R0101

% Moisture: 16 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	7.8	U
319-85-7	beta-BHC	7.8	U
319-86-8	delta-BHC	7.8	U
58-89-9	gamma-BHC	7.8	U
76-44-8	Heptachlor	7.8	U
309-00-2	Aldrin	7.8	U
1024-57-3	Heptachlor epoxide	7.8	U
959-98-8	Endosulfan I	19.9	
60-57-1	Dieldrin	15.7	U
72-55-9	4,4'-DDE	207	E
72-20-8	Endrin	15.7	U
33213-65-9	Endosulfan II	15.7	U
72-54-8	4,4'-DDD	51.6	
1031-07-8	Endosulfan sulfate	15.7	U
50-29-3	4,4'-DDT	102	
72-43-5	Methoxychlor	78.6	U
7421-93-4	Endrin aldehyde	15.7	U
8001-35-2	Toxaphene	393	U
12674-11-2	Aroclor-1016	49.1	U
11104-28-2	Aroclor-1221	49.1	U
1114-16-5	Aroclor-1232	49.1	U
53469-21-9	Aroclor-1242	49.1	U
12672-29-6	Aroclor-1248	49.1	U
11097-69-1	Aroclor-1254	49.1	U
11096-82-5	Aroclor-1260	49.1	U
57-74-9	Chlordane	98.2	U
298-02-2	Phorate	19.6	U
298-00-0	Parathion, methyl	19.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-10

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 031R0101

% Moisture: 16 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	19.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SBDL1

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-10

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 033R0101

% Moisture: 16 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	15.7	U
319-85-7	beta-BHC	15.7	U
319-86-8	delta-BHC	15.7	U
58-89-9	gamma-BHC	15.7	U
76-44-8	Heptachlor	15.7	U
309-00-2	Aldrin	15.7	U
1024-57-3	Heptachlor epoxide	15.7	U
959-98-8	Endosulfan I	21.1	
60-57-1	Dieldrin	31.4	U
72-55-9	4,4'-DDE	195	
72-20-8	Endrin	31.4	U
33213-65-9	Endosulfan II	31.4	U
72-54-8	4,4'-DDD	54.9	
1031-07-8	Endosulfan sulfate	31.4	U
50-29-3	4,4'-DDT	90.5	
72-43-5	Methoxychlor	157	U
7421-93-4	Endrin aldehyde	31.4	U
8001-35-2	Toxaphene	786	U
12674-11-2	Aroclor-1016	98.2	U
11104-28-2	Aroclor-1221	98.2	U
1114-16-5	Aroclor-1232	98.2	U
53469-21-9	Aroclor-1242	98.2	U
12672-29-6	Aroclor-1248	98.2	U
11097-69-1	Aroclor-1254	98.2	U
11096-82-5	Aroclor-1260	98.2	U
57-74-9	Chlordane	186.4	U
298-02-2	Phorate	39.3	U
298-00-0	Parathion, methyl	39.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SBDL1

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-10

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 033R0101

% Moisture: 16 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	39.3	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-11

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 023R0201

% Moisture: 22 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	84.7	U
319-85-7	beta-BHC	84.7	U
319-86-8	delta-BHC	84.7	U
58-89-9	gamma-BHC	84.7	U
76-44-8	Heptachlor	84.7	U
309-00-2	Aldrin	84.7	U
1024-57-3	Heptachlor epoxide	84.7	U
959-98-8	Endosulfan I	84.7	U
60-57-1	Dieldrin	169	U
72-55-9	4,4'-DDE	741	
72-20-8	Endrin	169	U
33213-65-9	Endosulfan II	169	U
72-54-8	4,4'-DDD	233	P
1031-07-8	Endosulfan sulfate	169	U
50-29-3	4,4'-DDT	557	
72-43-5	Methoxychlor	847	U
7421-93-4	Endrin aldehyde	169	U
8001-35-2	Toxaphene	4240	U
12674-11-2	Aroclor-1016	530	U
11104-28-2	Aroclor-1221	530	U
1114-16-5	Aroclor-1232	530	U
53469-21-9	Aroclor-1242	530	U
12672-29-6	Aroclor-1248	530	U
11097-69-1	Aroclor-1254	530	U
11096-82-5	Aroclor-1260	530	U
57-74-9	Chlordane	1060	U
298-02-2	Phorate	212	U
298-00-0	Parathion, methyl	212	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SB

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-11

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 023R0201

% Moisture: 22 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	212	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-12

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 024R0201

% Moisture: 61 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	2.8	P
58-89-9	gamma-BHC	2.0	
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	2.7	P
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.9	P
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.9	P
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.7	P
72-43-5	Methoxychlor	16.9	U
7421-93-4	Endrin aldehyde	3.4	U
8001-35-2	Toxaphene	84.7	U
12674-11-2	Aroclor-1016	10.6	U
11104-28-2	Aroclor-1221	10.6	U
1114-16-5	Aroclor-1232	10.6	U
53469-21-9	Aroclor-1242	10.6	U
12672-29-6	Aroclor-1248	10.6	U
11097-69-1	Aroclor-1254	10.6	U
11096-82-5	Aroclor-1260	10.6	U
57-74-9	Chlordane	21.2	U
298-02-2	Phorate	4.2	U
298-00-0	Parathion, methyl	4.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SS

Lab Name: GENERAL ENGINEERING LABS Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-12

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 024R0201

% Moisture: 61 decanted: (Y/N) N Date Received: 10/08/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	4.2	U

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 6A172S
Semivolatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Polynuclear Aromatic Hydrocarbons (PAH-M610) by SW-846 Method 8270:

Sample Description	Laboratory Identification
B8SS	9610172-01
B8SB	9610172-02
S7SB-24	9610172-03
S7SB-23	9610172-04
S7SB-21	9610172-05
S7DPSB	9610172-06
S7SB-22	9610172-07
S4SB-2	9610172-08
B6SB	9610172-09
B7SB	9610172-10
B4SB	9610172-11
B6SS	9610172-12
Blank	QC393725/QC394723/QC397322
Laboratory Control Sample (LCS)	QC393726/QC394724/QC397323
Laboratory Control Sample Duplicate (LCSD)	QC393727/QC394725/QC397324
S4SB-2 Matrix Spike (MS)	QC393730/QC394728
S4SB-2 Matrix Spike Duplicate (MSD)	QC393731/QC394729
B8SS MS	QC397325
B8SS MSD	QC397326

Instrument Tune

The mass spectrometer met all criteria for the tuning compound Decafluorotriphenylphosphine.

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses.

Holding Times

All samples were originally analyzed within the technical holding times, with the exception of sample B8SS, which was inadvertently not extracted with other samples in this SDG. However, due to quality control not meeting specifications, the samples were re-extracted out of holding (see NCR# GEL-AS-OA-2472).

Surrogate Analysis

The surrogates for samples S7SB-23, S7SB-21, S7DPSB, S7SB-22 and B6SS were diluted below the quantitation limit.

Internal Standards

Sample B6SS was analyzed at a dilution in order to meet internal standard acceptance limits. All other samples met internal standard recovery criteria.

Blank Analysis

No target analytes were detected in the method blank above the PQL.

Spike Analysis

The MS and MSD met quality control criteria for recoveries and relative percent difference (RPD).

Laboratory Control Samples

The LCS and LCSD samples met quality control criteria for recoveries and RPD.

Dilutions

Sample B6SS was analyzed at a 1:4 dilution in order to meet internal standard acceptance criteria. Due to matrix interference, samples S7SB-23 and S7DPSB were analyzed at dilutions of 1:40, and samples S7SB-21 and S7SB-22 were analyed at dilutions of 1:4.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-23RE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-04

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q114

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 2 (mL) Date Analyzed: 10/21/96

Injection Volume: 1.0 (uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	39500	U
209-96-8	acenaphthylene	39500	U
83-32-9	acenaphthene	39500	U
86-73-7	fluorene	39500	U
85-01-8	phenanthrene	39500	U
120-12-7	anthracene	39500	U
206-44-0	fluoranthene	39500	U
129-00-0	pyrene	39500	U
56-55-3	benzo(a)anthracene	39500	U
218-01-9	chrysene	39500	U
205-99-2	benzo(b)fluoranthene	39500	U
207-08-9	benzo(k)fluoranthene	39500	U
50-32-8	benzo(a)pyrene	39500	U
193-39-5	indeno(1,2,3-cd)pyrene	39500	U
53-70-3	dibenz(a,h)anthracene	39500	U
191-24-2	benzo(g,h,i)perylene	39500	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-21RE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-05

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 4Q115

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	420	U
209-96-8	acenaphthylene	420	U
83-32-9	acenaphthene	420	U
86-73-7	fluorene	420	U
85-01-8	phenanthrene	420	U
120-12-7	anthracene	420	U
206-44-0	fluoranthene	420	U
129-00-0	pyrene	420	U
56-55-3	benzo(a)anthracene	420	U
218-01-9	chrysene	420	U
205-99-2	benzo(b)fluoranthene	420	U
207-08-9	benzo(k)fluoranthene	420	U
50-32-8	benzo(a)pyrene	420	U
193-39-5	indeno(1,2,3-cd)pyrene	420	U
53-70-3	dibenz(a,h)anthracene	420	U
191-24-2	benzo(g,h,i)perylene	420	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSBRE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-06

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4Q116

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 31 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 2(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	37900	U
209-96-8	acenaphthylene	37900	U
83-32-9	acenaphthene	37900	U
86-73-7	fluorene	37900	U
85-01-8	phenanthrene	37900	U
120-12-7	anthracene	37900	U
206-44-0	fluoranthene	37900	U
129-00-0	pyrene	37900	U
56-55-3	benzo(a)anthracene	37900	U
218-01-9	chrysene	37900	U
205-99-2	benzo(b)fluoranthene	37900	U
207-08-9	benzo(k)fluoranthene	37900	U
50-32-8	benzo(a)pyrene	37900	U
193-39-5	indeno(1,2,3-cd)pyrene	37900	U
53-70-3	dibenz(a,h)anthracene	37900	U
191-24-2	benzo(g,h,i)perylene	37900	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-22RE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-07

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q117

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 36 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	2080	U
209-96-8	acenaphthylene	2080	U
83-32-9	acenaphthene	2080	U
86-73-7	fluorene	2080	U
85-01-8	phenanthrene	2080	U
120-12-7	anthracene	2080	U
206-44-0	fluoranthene	1070	J
129-00-0	pyrene	2080	U
56-55-3	benzo(a)anthracene	2080	U
218-01-9	chrysene	1050	J
205-99-2	benzo(b)fluoranthene	1620	J
207-08-9	benzo(k)fluoranthene	2080	U
50-32-8	benzo(a)pyrene	2080	U
193-39-5	indeno(1,2,3-cd)pyrene	2080	U
53-70-3	dibenz(a,h)anthracene	2080	U
191-24-2	benzo(g,h,i)perylene	2080	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2RE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-08

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4Q118

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	375	U
106-46-7	1,4-dichlorobenzene	375	U
621-64-7	N-nitroso-di-n-propylamine	375	U
120-82-1	1,2,4-trichlorobenzene	375	U
91-20-3	naphthalene	375	U
209-96-8	acenaphthylene	375	U
83-32-9	acenaphthene	375	U
86-73-7	fluorene	375	U
85-01-8	phenanthrene	375	U
120-12-7	anthracene	375	U
206-44-0	fluoranthene	375	U
129-00-0	pyrene	375	U
56-55-3	benzo(a)anthracene	375	U
218-01-9	chrysene	375	U
205-99-2	benzo(b)fluoranthene	375	U
207-08-9	benzo(k)fluoranthene	375	U
50-32-8	benzo(a)pyrene	375	U
193-39-5	indeno(1,2,3-cd)pyrene	375	U
53-70-3	dibenz(a,h)anthracene	375	U
191-24-2	benzo(g,h,i)perylene	375	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SBRE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-09

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4Q119

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	436	U
209-96-8	acenaphthylene	436	U
83-32-9	acenaphthene	436	U
86-73-7	fluorene	436	U
85-01-8	phenanthrene	436	U
120-12-7	anthracene	436	U
206-44-0	fluoranthene	436	U
129-00-0	pyrene	436	U
56-55-3	benzo(a)anthracene	436	U
218-01-9	chrysene	436	U
205-99-2	benzo(b)fluoranthene	436	U
207-08-9	benzo(k)fluoranthene	436	U
50-32-8	benzo(a)pyrene	436	U
193-39-5	indeno(1,2,3-cd)pyrene	436	U
53-70-3	dibenz(a,h)anthracene	436	U
191-24-2	benzo(g,h,i)perylene	436	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SBRE0

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-10

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1S119

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	391	U
209-96-8	acenaphthylene	391	U
83-32-9	acenaphthene	391	U
86-73-7	fluorene	391	U
85-01-8	phenanthrene	391	U
120-12-7	anthracene	391	U
206-44-0	fluoranthene	391	U
129-00-0	pyrene	391	U
56-55-3	benzo(a)anthracene	391	U
218-01-9	chrysene	391	U
205-99-2	benzo(b)fluoranthene	391	U
207-08-9	benzo(k)fluoranthene	391	U
50-32-8	benzo(a)pyrene	391	U
193-39-5	indeno(1,2,3-cd)pyrene	391	U
53-70-3	dibenz(a,h)anthracene	391	U
191-24-2	benzo(g,h,i)perylene	391	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SSRE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-12

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1S120

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 61 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	846	U
209-96-8	acenaphthylene	846	U
83-32-9	acenaphthene	846	U
86-73-7	fluorene	846	U
85-01-8	phenanthrene	846	U
120-12-7	anthracene	846	U
206-44-0	fluoranthene	846	U
129-00-0	pyrene	846	U
56-55-3	benzo(a)anthracene	846	U
218-01-9	chrysene	846	U
205-99-2	benzo(b)fluoranthene	846	U
207-08-9	benzo(k)fluoranthene	846	U
50-32-8	benzo(a)pyrene	846	U
193-39-5	indeno(1,2,3-cd)pyrene	846	U
53-70-3	dibenz(a,h)anthracene	846	U
191-24-2	benzo(g,h,i)perylene	846	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC397322

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4R510

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	328	U
106-46-7	1,4-dichlorobenzene	328	U
621-64-7	N-nitroso-di-n-propylamine	328	U
120-82-1	1,2,4-trichlorobenzene	328	U
91-20-3	naphthalene	328	U
209-96-8	acenaphthylene	328	U
83-32-9	acenaphthene	328	U
86-73-7	fluorene	328	U
85-01-8	phenanthrene	328	U
120-12-7	anthracene	328	U
206-44-0	fluoranthene	328	U
129-00-0	pyrene	328	U
56-55-3	benzo(a)anthracene	328	U
218-01-9	chrysene	328	U
205-99-2	benzo(b)fluoranthene	328	U
207-08-9	benzo(k)fluoranthene	328	U
50-32-8	benzo(a)pyrene	328	U
193-39-5	indeno(1,2,3-cd)pyrene	328	U
53-70-3	dibenz(a,h)anthracene	328	U
191-24-2	benzo(g,h,i)perylene	328	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC397323

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4R511

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	1250	
106-46-7	1,4-dichlorobenzene	1080	
621-64-7	N-nitroso-di-n-propylamine	1300	
120-82-1	1,2,4-trichlorobenzene	1350	
91-20-3	naphthalene	329	U
209-96-8	acenaphthylene	329	U
83-32-9	acenaphthene	1260	
86-73-7	fluorene	329	U
85-01-8	phenanthrene	329	U
120-12-7	anthracene	329	U
206-44-0	fluoranthene	329	U
129-00-0	pyrene	1910	
56-55-3	benzo(a)anthracene	329	U
218-01-9	chrysene	329	U
205-99-2	benzo(b)fluoranthene	329	U
207-08-9	benzo(k)fluoranthene	329	U
50-32-8	benzo(a)pyrene	329	U
193-39-5	indeno(1,2,3-cd)pyrene	329	U
53-70-3	dibenz(a,h)anthracene	329	U
191-24-2	benzo(g,h,i)perylene	329	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK03MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC397324

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4R512

Level: (low/med) LOW Date Received: 10/31/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/01/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	1210	
106-46-7	1,4-dichlorobenzene	1110	
621-64-7	N-nitroso-di-n-propylamine	1320	
120-82-1	1,2,4-trichlorobenzene	1310	
91-20-3	naphthalene	326	U
209-96-8	acenaphthylene	326	U
83-32-9	acenaphthene	1290	
86-73-7	fluorene	326	U
85-01-8	phenanthrene	326	U
120-12-7	anthracene	326	U
206-44-0	fluoranthene	326	U
129-00-0	pyrene	1870	
56-55-3	benzo(a)anthracene	326	U
218-01-9	chrysene	326	U
205-99-2	benzo(b)fluoranthene	326	U
207-08-9	benzo(k)fluoranthene	326	U
50-32-8	benzo(a)pyrene	326	U
193-39-5	indeno(1,2,3-cd)pyrene	326	U
53-70-3	dibenz(a,h)anthracene	326	U
191-24-2	benzo(g,h,i)perylene	326	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SBRE1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-09

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 1S118

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	434	U
209-96-8	acenaphthylene	434	U
83-32-9	acenaphthene	434	U
86-73-7	fluorene	434	U
85-01-8	phenanthrene	434	U
120-12-7	anthracene	434	U
206-44-0	fluoranthene	434	U
129-00-0	pyrene	434	U
56-55-3	benzo(a)anthracene	434	U
218-01-9	chrysene	434	U
205-99-2	benzo(b)fluoranthene	434	U
207-08-9	benzo(k)fluoranthene	434	U
50-32-8	benzo(a)pyrene	434	U
193-39-5	indeno(1,2,3-cd)pyrene	434	U
53-70-3	dibenz(a,h)anthracene	434	U
191-24-2	benzo(g,h,i)perylene	434	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393725

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1P307

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	332	U
209-96-8	acenaphthylene	332	U
83-32-9	acenaphthene	332	U
86-73-7	fluorene	332	U
85-01-8	phenanthrene	332	U
120-12-7	anthracene	332	U
206-44-0	fluoranthene	332	U
129-00-0	pyrene	332	U
56-55-3	benzo(a)anthracene	332	U
218-01-9	chrysene	332	U
205-99-2	benzo(b)fluoranthene	332	U
207-08-9	benzo(k)fluoranthene	332	U
50-32-8	benzo(a)pyrene	332	U
193-39-5	indeno(1,2,3-cd)pyrene	332	U
53-70-3	dibenz(a,h)anthracene	332	U
191-24-2	benzo(g,h,i)perylene	332	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SB

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-11

Sample wt/vol: 30.8 (g/mL) g Lab File ID: 4Q121

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 22 decanted: (Y/N) N Date Extracted:10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	416	U
209-96-8	acenaphthylene	416	U
83-32-9	acenaphthene	416	U
86-73-7	fluorene	416	U
85-01-8	phenanthrene	416	U
120-12-7	anthracene	416	U
206-44-0	fluoranthene	416	U
129-00-0	pyrene	416	U
56-55-3	benzo(a)anthracene	416	U
218-01-9	chrysene	416	U
205-99-2	benzo(b)fluoranthene	416	U
207-08-9	benzo(k)fluoranthene	416	U
50-32-8	benzo(a)pyrene	416	U
193-39-5	indeno(1,2,3-cd)pyrene	416	U
53-70-3	dibenz(a,h)anthracene	416	U
191-24-2	benzo(g,h,i)perylene	416	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394723

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q207

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted:10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	326	U
106-46-7	1,4-dichlorobenzene	326	U
621-64-7	N-nitroso-di-n-propylamine	326	U
120-82-1	1,2,4-trichlorobenzene	326	U
91-20-3	naphthalene	326	U
209-96-8	acenaphthylene	326	U
83-32-9	acenaphthene	326	U
86-73-7	fluorene	326	U
85-01-8	phenanthrene	326	U
120-12-7	anthracene	326	U
206-44-0	fluoranthene	326	U
129-00-0	pyrene	326	U
56-55-3	benzo(a)anthracene	326	U
218-01-9	chrysene	326	U
205-99-2	benzo(b)fluoranthene	326	U
207-08-9	benzo(k)fluoranthene	326	U
50-32-8	benzo(a)pyrene	326	U
193-39-5	indeno(1,2,3-cd)pyrene	326	U
53-70-3	dibenz(a,h)anthracene	326	U
191-24-2	benzo(g,h,i)perylene	326	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394724

Sample wt/vol: 30.7 (g/mL) g Lab File ID: 4Q208

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	1480	
106-46-7	1,4-dichlorobenzene	1270	
621-64-7	N-nitroso-di-n-propylamine	1560	
120-82-1	1,2,4-trichlorobenzene	1550	
91-20-3	naphthalene	326	U
209-96-8	acenaphthylene	326	U
83-32-9	acenaphthene	1470	
86-73-7	fluorene	326	U
85-01-8	phenanthrene	326	U
120-12-7	anthracene	326	U
206-44-0	fluoranthene	326	U
129-00-0	pyrene	1730	
56-55-3	benzo(a)anthracene	326	U
218-01-9	chrysene	326	U
205-99-2	benzo(b)fluoranthene	326	U
207-08-9	benzo(k)fluoranthene	326	U
50-32-8	benzo(a)pyrene	326	U
193-39-5	indeno(1,2,3-cd)pyrene	326	U
53-70-3	dibenz(a,h)anthracene	326	U
191-24-2	benzo(g,h,i)perylene	326	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394725

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4Q209

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	1360	
106-46-7	1,4-dichlorobenzene	1120	
621-64-7	N-nitroso-di-n-propylamine	1360	
120-82-1	1,2,4-trichlorobenzene	1340	
91-20-3	naphthalene	327	U
209-96-8	acenaphthylene	327	U
83-32-9	acenaphthene	1280	
86-73-7	fluorene	327	U
85-01-8	phenanthrene	327	U
120-12-7	anthracene	327	U
206-44-0	fluoranthene	327	U
129-00-0	pyrene	1760	
56-55-3	benzo(a)anthracene	327	U
218-01-9	chrysene	327	U
205-99-2	benzo(b)fluoranthene	327	U
207-08-9	benzo(k)fluoranthene	327	U
50-32-8	benzo(a)pyrene	327	U
193-39-5	indeno(1,2,3-cd)pyrene	327	U
53-70-3	dibenz(a,h)anthracene	327	U
191-24-2	benzo(g,h,i)perylene	327	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-21DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-05

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 4Q213

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 23 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	1680	U
209-96-8	acenaphthylene	1680	U
83-32-9	acenaphthene	1680	U
86-73-7	fluorene	1680	U
85-01-8	phenanthrene	1680	U
120-12-7	anthracene	1680	U
206-44-0	fluoranthene	1680	U
129-00-0	pyrene	1680	U
56-55-3	benzo(a)anthracene	1680	U
218-01-9	chrysene	1680	U
205-99-2	benzo(b)fluoranthene	1680	U
207-08-9	benzo(k)fluoranthene	1680	U
50-32-8	benzo(a)pyrene	1680	U
193-39-5	indeno(1,2,3-cd)pyrene	1680	U
53-70-3	dibenz(a,h)anthracene	1680	U
191-24-2	benzo(g,h,i)perylene	1680	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2RA1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-08

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4Q214

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	375	U
209-96-8	acenaphthylene	375	U
83-32-9	acenaphthene	375	U
86-73-7	fluorene	375	U
85-01-8	phenanthrene	375	U
120-12-7	anthracene	375	U
206-44-0	fluoranthene	375	U
129-00-0	pyrene	375	U
56-55-3	benzo(a)anthracene	375	U
218-01-9	chrysene	375	U
205-99-2	benzo(b)fluoranthene	375	U
207-08-9	benzo(k)fluoranthene	375	U
50-32-8	benzo(a)pyrene	375	U
193-39-5	indeno(1,2,3-cd)pyrene	375	U
53-70-3	dibenz(a,h)anthracene	375	U
191-24-2	benzo(g,h,i)perylene	375	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SBRA1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-09

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4Q215

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	436	U
209-96-8	acenaphthylene	436	U
83-32-9	acenaphthene	436	U
86-73-7	fluorene	436	U
85-01-8	phenanthrene	436	U
120-12-7	anthracene	436	U
206-44-0	fluoranthene	436	U
129-00-0	pyrene	436	U
56-55-3	benzo(a)anthracene	436	U
218-01-9	chrysene	436	U
205-99-2	benzo(b)fluoranthene	436	U
207-08-9	benzo(k)fluoranthene	436	U
50-32-8	benzo(a)pyrene	436	U
193-39-5	indeno(1,2,3-cd)pyrene	436	U
53-70-3	dibenz(a,h)anthracene	436	U
191-24-2	benzo(g,h,i)perylene	436	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SB

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-10

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4Q216

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 16 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	392	U
209-96-8	acenaphthylene	392	U
83-32-9	acenaphthene	392	U
86-73-7	fluorene	392	U
85-01-8	phenanthrene	392	U
120-12-7	anthracene	392	U
206-44-0	fluoranthene	392	U
129-00-0	pyrene	392	U
56-55-3	benzo(a)anthracene	392	U
218-01-9	chrysene	392	U
205-99-2	benzo(b)fluoranthene	392	U
207-08-9	benzo(k)fluoranthene	392	U
50-32-8	benzo(a)pyrene	392	U
193-39-5	indeno(1,2,3-cd)pyrene	392	U
53-70-3	dibenz(a,h)anthracene	392	U
191-24-2	benzo(g,h,i)perylene	392	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-12

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4Q217

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 61 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/22/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	844	U
209-96-8	acenaphthylene	844	U
83-32-9	acenaphthene	844	U
86-73-7	fluorene	844	U
85-01-8	phenanthrene	844	U
120-12-7	anthracene	844	U
206-44-0	fluoranthene	844	U
129-00-0	pyrene	844	U
56-55-3	benzo(a)anthracene	844	U
218-01-9	chrysene	844	U
205-99-2	benzo(b)fluoranthene	844	U
207-08-9	benzo(k)fluoranthene	844	U
50-32-8	benzo(a)pyrene	844	U
193-39-5	indeno(1,2,3-cd)pyrene	844	U
53-70-3	dibenz(a,h)anthracene	844	U
191-24-2	benzo(g,h,i)perylene	844	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393726

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1P308

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	993	
106-46-7	1,4-dichlorobenzene	907	
621-64-7	N-nitroso-di-n-propylamine	981	
120-82-1	1,2,4-trichlorobenzene	882	
91-20-3	naphthalene	327	U
209-96-8	acenaphthylene	327	U
83-32-9	acenaphthene	994	
86-73-7	fluorene	327	U
85-01-8	phenanthrene	327	U
120-12-7	anthracene	327	U
206-44-0	fluoranthene	327	U
129-00-0	pyrene	1300	
56-55-3	benzo(a)anthracene	327	U
218-01-9	chrysene	327	U
205-99-2	benzo(b)fluoranthene	327	U
207-08-9	benzo(k)fluoranthene	327	U
50-32-8	benzo(a)pyrene	327	U
193-39-5	indeno(1,2,3-cd)pyrene	327	U
53-70-3	dibenz(a,h)anthracene	327	U
191-24-2	benzo(g,h,i)perylene	327	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393727

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1P309

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	1020	
106-46-7	1,4-dichlorobenzene	774	
621-64-7	N-nitroso-di-n-propylamine	881	
120-82-1	1,2,4-trichlorobenzene	748	
91-20-3	naphthalene	331	U
209-96-8	acenaphthylene	331	U
83-32-9	acenaphthene	932	
86-73-7	fluorene	331	U
85-01-8	phenanthrene	331	U
120-12-7	anthracene	331	U
206-44-0	fluoranthene	331	U
129-00-0	pyrene	1260	
56-55-3	benzo(a)anthracene	331	U
218-01-9	chrysene	331	U
205-99-2	benzo(b)fluoranthene	331	U
207-08-9	benzo(k)fluoranthene	331	U
50-32-8	benzo(a)pyrene	331	U
193-39-5	indeno(1,2,3-cd)pyrene	331	U
53-70-3	dibenz(a,h)anthracene	331	U
191-24-2	benzo(g,h,i)perylene	331	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393730

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 1P312

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	2580	
106-46-7	1,4-dichlorobenzene	958	
621-64-7	N-nitroso-di-n-propylamine	1310	
120-82-1	1,2,4-trichlorobenzene	1120	
91-20-3	naphthalene	1310	
209-96-8	acenaphthylene	1700	
83-32-9	acenaphthene	1820	
86-73-7	fluorene	2660	
85-01-8	phenanthrene	3250	
120-12-7	anthracene	3250	
206-44-0	fluoranthene	2690	
129-00-0	pyrene	2620	
56-55-3	benzo(a)anthracene	2870	
218-01-9	chrysene	2760	
205-99-2	benzo(b)fluoranthene	2990	
207-08-9	benzo(k)fluoranthene	3090	
50-32-8	benzo(a)pyrene	3060	
193-39-5	indeno(1,2,3-cd)pyrene	3480	
53-70-3	dibenz(a,h)anthracene	3600	
191-24-2	benzo(g,h,i)perylene	3340	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC393731

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1P313

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	2720	
106-46-7	1,4-dichlorobenzene	660	
621-64-7	N-nitroso-di-n-propylamine	893	
120-82-1	1,2,4-trichlorobenzene	746	
91-20-3	naphthalene	764	
209-96-8	acenaphthylene	1470	
83-32-9	acenaphthene	1700	
86-73-7	fluorene	2750	
85-01-8	phenanthrene	3240	
120-12-7	anthracene	3300	
206-44-0	fluoranthene	2830	
129-00-0	pyrene	2800	
56-55-3	benzo(a)anthracene	3040	
218-01-9	chrysene	2820	
205-99-2	benzo(b)fluoranthene	3490	
207-08-9	benzo(k)fluoranthene	3050	
50-32-8	benzo(a)pyrene	3190	
193-39-5	indeno(1,2,3-cd)pyrene	3520	
53-70-3	dibenz(a,h)anthracene	3770	
191-24-2	benzo(g,h,i)perylene	3510	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SB

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-02

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1P315

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	398	U
209-96-8	acenaphthylene	398	U
83-32-9	acenaphthene	398	U
86-73-7	fluorene	398	U
85-01-8	phenanthrene	398	U
120-12-7	anthracene	398	U
206-44-0	fluoranthene	398	U
129-00-0	pyrene	398	U
56-55-3	benzo(a)anthracene	398	U
218-01-9	chrysene	398	U
205-99-2	benzo(b)fluoranthene	398	U
207-08-9	benzo(k)fluoranthene	398	U
50-32-8	benzo(a)pyrene	398	U
193-39-5	indeno(1,2,3-cd)pyrene	398	U
53-70-3	dibenz(a,h)anthracene	398	U
191-24-2	benzo(g,h,i)perylene	398	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-24

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 1P316

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 21 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	1670	U
209-96-8	acenaphthylene	1670	U
83-32-9	acenaphthene	1670	U
86-73-7	fluorene	1670	U
85-01-8	phenanthrene	106	J
120-12-7	anthracene	1670	U
206-44-0	fluoranthene	3020	
129-00-0	pyrene	2410	
56-55-3	benzo(a)anthracene	1640	J
218-01-9	chrysene	1950	
205-99-2	benzo(b)fluoranthene	3340	
207-08-9	benzo(k)fluoranthene	1670	U
50-32-8	benzo(a)pyrene	2040	
193-39-5	indeno(1,2,3-cd)pyrene	1480	J
53-70-3	dibenz(a,h)anthracene	1670	U
191-24-2	benzo(g,h,i)perylene	1460	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-23

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-04

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1P317

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 34 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	2000	U
209-96-8	acenaphthylene	2000	U
83-32-9	acenaphthene	2000	U
86-73-7	fluorene	2000	U
85-01-8	phenanthrene	2000	U
120-12-7	anthracene	2000	U
206-44-0	fluoranthene	2000	U
129-00-0	pyrene	2000	U
56-55-3	benzo(a)anthracene	2000	U
218-01-9	chrysene	2000	U
205-99-2	benzo(b)fluoranthene	2000	U
207-08-9	benzo(k)fluoranthene	2000	U
50-32-8	benzo(a)pyrene	2000	U
193-39-5	indeno(1,2,3-cd)pyrene	2000	U
53-70-3	dibenz(a,h)anthracene	2000	U
191-24-2	benzo(g,h,i)perylene	2000	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-21

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-05

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1P318

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 23 decanted: (Y/N) N Date Extracted:10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/17/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	1720	U
209-96-8	acenaphthylene	1720	U
83-32-9	acenaphthene	1720	U
86-73-7	fluorene	1720	U
85-01-8	phenanthrene	1720	U
120-12-7	anthracene	1720	U
206-44-0	fluoranthene	1720	U
129-00-0	pyrene	1720	U
56-55-3	benzo(a)anthracene	1720	U
218-01-9	chrysene	1720	U
205-99-2	benzo(b)fluoranthene	1720	U
207-08-9	benzo(k)fluoranthene	1720	U
50-32-8	benzo(a)pyrene	1720	U
193-39-5	indeno(1,2,3-cd)pyrene	1720	U
53-70-3	dibenz(a,h)anthracene	1720	U
191-24-2	benzo(g,h,i)perylene	1720	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSB

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-06

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1P319

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 31 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/17/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	1920	U
209-96-8	acenaphthylene	1920	U
83-32-9	acenaphthene	1920	U
86-73-7	fluorene	1920	U
85-01-8	phenanthrene	1920	U
120-12-7	anthracene	1920	U
206-44-0	fluoranthene	1920	U
129-00-0	pyrene	1920	U
56-55-3	benzo(a)anthracene	1920	U
218-01-9	chrysene	1920	U
205-99-2	benzo(b)fluoranthene	1920	U
207-08-9	benzo(k)fluoranthene	1920	U
50-32-8	benzo(a)pyrene	1920	U
193-39-5	indeno(1,2,3-cd)pyrene	1920	U
53-70-3	dibenz(a,h)anthracene	1920	U
191-24-2	benzo(g,h,i)perylene	1920	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-22

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-07

Sample wt/vol: 30.8 (g/mL) g Lab File ID: 1P320

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 36 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/17/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	2030	U
209-96-8	acenaphthylene	2030	U
83-32-9	acenaphthene	2030	U
86-73-7	fluorene	2030	U
85-01-8	phenanthrene	2030	U
120-12-7	anthracene	2030	U
206-44-0	fluoranthene	704	J
129-00-0	pyrene	665	J
56-55-3	benzo(a)anthracene	406	J
218-01-9	chrysene	570	J
205-99-2	benzo(b)fluoranthene	972	J
207-08-9	benzo(k)fluoranthene	2030	U
50-32-8	benzo(a)pyrene	2030	U
193-39-5	indeno(1,2,3-cd)pyrene	2030	U
53-70-3	dibenz(a,h)anthracene	2030	U
191-24-2	benzo(g,h,i)perylene	2030	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-08

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 1P321

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/17/96

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	373	U
106-46-7	1,4-dichlorobenzene	373	U
621-64-7	N-nitroso-di-n-propylamine	373	U
120-82-1	1,2,4-trichlorobenzene	373	U
91-20-3	naphthalene	373	U
209-96-8	acenaphthylene	373	U
83-32-9	acenaphthene	373	U
86-73-7	fluorene	373	U
85-01-8	phenanthrene	373	U
120-12-7	anthracene	373	U
206-44-0	fluoranthene	373	U
129-00-0	pyrene	373	U
56-55-3	benzo(a)anthracene	373	U
218-01-9	chrysene	373	U
205-99-2	benzo(b)fluoranthene	373	U
207-08-9	benzo(k)fluoranthene	373	U
50-32-8	benzo(a)pyrene	373	U
193-39-5	indeno(1,2,3-cd)pyrene	373	U
53-70-3	dibenz(a,h)anthracene	373	U
191-24-2	benzo(g,h,i)perylene	373	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SB

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 1P322

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 25 decanted: (Y/N) N Date Extracted: 10/15/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	441	U
209-96-8	acenaphthylene	441	U
83-32-9	acenaphthene	441	U
86-73-7	fluorene	441	U
85-01-8	phenanthrene	441	U
120-12-7	anthracene	441	U
206-44-0	fluoranthene	441	U
129-00-0	pyrene	441	U
56-55-3	benzo(a)anthracene	441	U
218-01-9	chrysene	441	U
205-99-2	benzo(b)fluoranthene	441	U
207-08-9	benzo(k)fluoranthene	441	U
50-32-8	benzo(a)pyrene	441	U
193-39-5	indeno(1,2,3-cd)pyrene	441	U
53-70-3	dibenz(a,h)anthracene	441	U
191-24-2	benzo(g,h,i)perylene	441	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-01

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 1S114

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 30 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	467	U
106-46-7	1,4-dichlorobenzene	467	U
621-64-7	N-nitroso-di-n-propylamine	467	U
120-82-1	1,2,4-trichlorobenzene	467	U
91-20-3	naphthalene	467	U
209-96-8	acenaphthylene	467	U
83-32-9	acenaphthene	467	U
86-73-7	fluorene	467	U
85-01-8	phenanthrene	467	U
120-12-7	anthracene	467	U
206-44-0	fluoranthene	690	
129-00-0	pyrene	509	
56-55-3	benzo(a)anthracene	467	U
218-01-9	chrysene	417	J
205-99-2	benzo(b)fluoranthene	489	
207-08-9	benzo(k)fluoranthene	467	U
50-32-8	benzo(a)pyrene	467	U
193-39-5	indeno(1,2,3-cd)pyrene	467	U
53-70-3	dibenz(a,h)anthracene	467	U
191-24-2	benzo(g,h,i)perylene	467	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SSMS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC397325

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1S115

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 30 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	3880	
106-46-7	1,4-dichlorobenzene	2240	
621-64-7	N-nitroso-di-n-propylamine	356	J
120-82-1	1,2,4-trichlorobenzene	2320	
91-20-3	naphthalene	2640	
209-96-8	acenaphthylene	2610	
83-32-9	acenaphthene	2830	
86-73-7	fluorene	3640	
85-01-8	phenanthrene	4040	
120-12-7	anthracene	4260	
206-44-0	fluoranthene	3190	
129-00-0	pyrene	3130	
56-55-3	benzo(a)anthracene	3580	
218-01-9	chrysene	3810	
205-99-2	benzo(b)fluoranthene	4450	
207-08-9	benzo(k)fluoranthene	3920	
50-32-8	benzo(a)pyrene	4060	
193-39-5	indeno(1,2,3-cd)pyrene	4460	
53-70-3	dibenz(a,h)anthracene	4420	
191-24-2	benzo(g,h,i)perylene	3990	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SSMSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC397326

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 1S116

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 30 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	3920	
106-46-7	1,4-dichlorobenzene	3070	
621-64-7	N-nitroso-di-n-propylamine	519	
120-82-1	1,2,4-trichlorobenzene	3010	
91-20-3	naphthalene	3420	
209-96-8	acenaphthylene	2980	
83-32-9	acenaphthene	3120	
86-73-7	fluorene	4000	
85-01-8	phenanthrene	4140	
120-12-7	anthracene	4300	
206-44-0	fluoranthene	3000	
129-00-0	pyrene	3460	
56-55-3	benzo(a)anthracene	3850	
218-01-9	chrysene	4050	
205-99-2	benzo(b)fluoranthene	4740	
207-08-9	benzo(k)fluoranthene	3910	
50-32-8	benzo(a)pyrene	4200	
193-39-5	indeno(1,2,3-cd)pyrene	4970	
53-70-3	dibenz(a,h)anthracene	5080	
191-24-2	benzo(g,h,i)perylene	4440	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2RE1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-08

Sample wt/vol: 16.3 (g/mL) g Lab File ID: 1S117

Level: (low/med) LOW Date Received: 10/09/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/04/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	697	U
209-96-8	acenaphthylene	697	U
83-32-9	acenaphthene	697	U
86-73-7	fluorene	697	U
85-01-8	phenanthrene	697	U
120-12-7	anthracene	697	U
206-44-0	fluoranthene	697	U
129-00-0	pyrene	697	U
56-55-3	benzo(a)anthracene	697	U
218-01-9	chrysene	697	U
205-99-2	benzo(b)fluoranthene	697	U
207-08-9	benzo(k)fluoranthene	697	U
50-32-8	benzo(a)pyrene	697	U
193-39-5	indeno(1,2,3-cd)pyrene	697	U
53-70-3	dibenz(a,h)anthracene	697	U
191-24-2	benzo(g,h,i)perylene	697	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SSDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-12

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 2T103

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 61 decanted: (Y/N) N Date Extracted: 10/31/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/11/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	3390	U
209-96-8	acenaphthylene	3390	U
83-32-9	acenaphthene	3390	U
86-73-7	fluorene	3390	U
85-01-8	phenanthrene	3390	U
120-12-7	anthracene	3390	U
206-44-0	fluoranthene	3390	U
129-00-0	pyrene	3390	U
56-55-3	benzo(a)anthracene	3390	U
218-01-9	chrysene	3390	U
205-99-2	benzo(b)fluoranthene	3390	U
207-08-9	benzo(k)fluoranthene	3390	U
50-32-8	benzo(a)pyrene	3390	U
193-39-5	indeno(1,2,3-cd)pyrene	3390	U
53-70-3	dibenz(a,h)anthracene	3390	U
191-24-2	benzo(g,h,i)perylene	3390	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2RE0MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394728

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4Q109

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	3330	
106-46-7	1,4-dichlorobenzene	1980	
621-64-7	N-nitroso-di-n-propylamine	2640	
120-82-1	1,2,4-trichlorobenzene	2430	
91-20-3	naphthalene	3460	
209-96-8	acenaphthylene	2900	
83-32-9	acenaphthene	2770	
86-73-7	fluorene	2820	
85-01-8	phenanthrene	3890	
120-12-7	anthracene	3900	
206-44-0	fluoranthene	3740	
129-00-0	pyrene	4190	
56-55-3	benzo(a)anthracene	3870	
218-01-9	chrysene	3870	
205-99-2	benzo(b)fluoranthene	4130	
207-08-9	benzo(k)fluoranthene	3590	
50-32-8	benzo(a)pyrene	3880	
193-39-5	indeno(1,2,3-cd)pyrene	3120	
53-70-3	dibenz(a,h)anthracene	3730	
191-24-2	benzo(g,h,i)perylene	3020	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2RE0MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC394729

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4Q110

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 12 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
121-14-2	2,4-dinitrotoluene	2860	
106-46-7	1,4-dichlorobenzene	802	
621-64-7	N-nitroso-di-n-propylamine	1380	
120-82-1	1,2,4-trichlorobenzene	1180	
91-20-3	naphthalene	1100	
209-96-8	acenaphthylene	1740	
83-32-9	acenaphthene	1710	
86-73-7	fluorene	2140	
85-01-8	phenanthrene	3020	
120-12-7	anthracene	3060	
206-44-0	fluoranthene	3240	
129-00-0	pyrene	3970	
56-55-3	benzo(a)anthracene	3290	
218-01-9	chrysene	3620	
205-99-2	benzo(b)fluoranthene	3370	
207-08-9	benzo(k)fluoranthene	3420	
50-32-8	benzo(a)pyrene	3400	
193-39-5	indeno(1,2,3-cd)pyrene	2580	
53-70-3	dibenz(a,h)anthracene	3140	
191-24-2	benzo(g,h,i)perylene	2580	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SBRE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-02

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4Q112

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 18 decanted: (Y/N) N Date Extracted:10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	403	U
209-96-8	acenaphthylene	403	U
83-32-9	acenaphthene	403	U
86-73-7	fluorene	403	U
85-01-8	phenanthrene	403	U
120-12-7	anthracene	403	U
206-44-0	fluoranthene	403	U
129-00-0	pyrene	403	U
56-55-3	benzo(a)anthracene	403	U
218-01-9	chrysene	403	U
205-99-2	benzo(b)fluoranthene	403	U
207-08-9	benzo(k)fluoranthene	403	U
50-32-8	benzo(a)pyrene	403	U
193-39-5	indeno(1,2,3-cd)pyrene	403	U
53-70-3	dibenz(a,h)anthracene	403	U
191-24-2	benzo(g,h,i)perylene	403	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-24RE0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-03

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4Q113

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: 21 decanted: (Y/N) N Date Extracted: 10/18/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/21/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
91-20-3	naphthalene	489	
209-96-8	acenaphthylene	417	U
83-32-9	acenaphthene	417	U
86-73-7	fluorene	417	U
85-01-8	phenanthrene	1280	
120-12-7	anthracene	272	J
206-44-0	fluoranthene	2700	
129-00-0	pyrene	4370	
56-55-3	benzo(a)anthracene	2480	
218-01-9	chrysene	2920	
205-99-2	benzo(b)fluoranthene	4660	
207-08-9	benzo(k)fluoranthene	417	U
50-32-8	benzo(a)pyrene	2730	
193-39-5	indeno(1,2,3-cd)pyrene	1520	
53-70-3	dibenz(a,h)anthracene	378	J
191-24-2	benzo(g,h,i)perylene	1400	

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 6A172S
Volatile Organic Analysis by GC

Sample Analysis

The following samples were analyzed for Volatile Aromatic compounds by EPA Method 8020:

Sample Description	Laboratory Identification
B8SS	9610172-01
B8SB	9610172-02
S7SB-24	9610172-03
S7SB-23	9610172-04
S7SB-21	9610172-05
S7DPSB	9610172-06
S7SB-22	9610172-07
S4SB-2	9610172-08
B6SB	9610172-09
B7SB	9610172-10
B4SB	9610172-11
B6SS	9610172-12
Blank	QC392574
Laboratory Control Sample (LCS)	QC392575
Laboratory Control Sample Duplicate (LCSD)	QC392576
S4SB-2 Post Spike (PS)	QC392577
S4SB-2 Post Spike Duplicate (PSD)	QC392578

Instrument Calibration

Initial and continuing calibration criteria established in the methodolgy were met for all analyses for the compounds of interest.

Holding Times

The samples were analyzed within the technical holding times.

Surrogate Analysis

The samples met surrogate acceptance criteria.

Internal Standards

Sample S7SB-21 did not meet internal standard recovery criteria for triflorotoluene. The sample was re-analyzed and matrix interference was confirmed.

Blank Analysis

Toluene was detected in the blank at a level below the PQL. Thus, any samples performed on this day containing concentrations of toluene will be flagged with a "B".

Spike Analysis

The PS and PSD met quality control criteria for recoveries and relative percent difference (RPD). The sample spiked was a Brown & Root sample not included in this SDG.

Laboratory Control Samples

The LCS and LCSD samples met quality control criteria for recoveries and relative percent difference (RPD).

Dilutions

In order to quantitate target analytes within the calibration range of the analytical equipment, samples S7SB-23 and S7DPSB were analyzed at 20x dilutions.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC392574

Sample wt/vol: 10.0 (g/mL) mL Lab File ID: B2D32

Level: (low/med) LOW Date Received: 10/09/96

% Moisture: not dec. 0 Date Analyzed: 10/09/96

GC Column: J&W DB-624 (PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.0	U
71-43-2	benzene	2.0	U
108-88-3	toluene	1.4	J
100-41-4	ethylbenzene	2.0	U
541-73-1	1,3-dichlorobenzene	2.0	U
106-46-7	1,4-dichlorobenzene	2.0	U
95-50-1	1,2-dichlorobenzene	2.0	U
1330-20-7	xylenes (total)	6.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01MSD

ㄅ Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC392576

Sample wt/vol: 10.0 (g/mL)mL Lab File ID: B2D33

Level: (low/med) LOW Date Received: 10/09/96

% Moisture: not dec. 0 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	18.4	
71-43-2	benzene	18.4	
108-88-3	toluene	17.6	B
100-41-4	ethylbenzene	19.1	
541-73-1	1,3-dichlorobenzene	18.0	
106-46-7	1,4-dichlorobenzene	20.8	
95-50-1	1,2-dichlorobenzene	18.2	
1330-20-7	xylenes (total)	60.9	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-08

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D34

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 12 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.3	U
71-43-2	benzene	2.3	U
108-88-3	toluene	1.3	BJ
100-41-4	ethylbenzene	2.3	U
541-73-1	1,3-dichlorobenzene	2.3	U
106-46-7	1,4-dichlorobenzene	2.3	U
95-50-1	1,2-dichlorobenzene	2.3	U
1330-20-7	xylenes (total)	6.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MS

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC392577

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D35

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 12 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	19.6	
71-43-2	benzene	25.5	
108-88-3	toluene	21.4	B
100-41-4	ethylbenzene	19.4	
541-73-1	1,3-dichlorobenzene	13.4	
106-46-7	1,4-dichlorobenzene	14.5	
95-50-1	1,2-dichlorobenzene	12.7	
1330-20-7	xylenes (total)	61.4	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SB-2MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC392578

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D36

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 12 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	21.0	
71-43-2	benzene	25.0	
108-88-3	toluene	21.6	B
100-41-4	ethylbenzene	21.0	
541-73-1	1,3-dichlorobenzene	17.3	
106-46-7	1,4-dichlorobenzene	18.8	
95-50-1	1,2-dichlorobenzene	17.1	
1330-20-7	xylenes (total)	66.7	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SS

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-01

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D37

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 30 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.8	U
71-43-2	benzene	2.8	U
108-88-3	toluene	2.1	BJ
100-41-4	ethylbenzene	2.8	U
541-73-1	1,3-dichlorobenzene	2.8	U
106-46-7	1,4-dichlorobenzene	2.8	U
95-50-1	1,2-dichlorobenzene	2.8	U
1330-20-7	xylenes (total)	8.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-24

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-03

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D39

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 21 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.5	U
71-43-2	benzene	2.5	U
108-88-3	toluene	1.6	BJ
100-41-4	ethylbenzene	2.5	U
541-73-1	1,3-dichlorobenzene	2.5	U
106-46-7	1,4-dichlorobenzene	2.5	U
95-50-1	1,2-dichlorobenzene	2.5	U
1330-20-7	xylenes (total)	7.6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-23

~b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-04

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D310

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 34 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	104	
71-43-2	benzene	60.6	U
108-88-3	toluene	56.1	BJ
100-41-4	ethylbenzene	86.8	
541-73-1	1,3-dichlorobenzene	649	
106-46-7	1,4-dichlorobenzene	617	
95-50-1	1,2-dichlorobenzene	2220	
1330-20-7	xylenes (total)	924	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-21

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-05

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D311

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 23 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.6	U
71-43-2	benzene	2.6	U
108-88-3	toluene	1.5	BJ
100-41-4	ethylbenzene	2.6	U
541-73-1	1,3-dichlorobenzene	2.6	U
106-46-7	1,4-dichlorobenzene	2.6	U
95-50-1	1,2-dichlorobenzene	1.6	J
1330-20-7	xylenes (total)	7.8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7DPSB

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-06

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D312

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 31 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 20.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	130	
71-43-2	benzene	58.0	U
108-88-3	toluene	53.9	BJ
100-41-4	ethylbenzene	95.7	
541-73-1	1,3-dichlorobenzene	314	
106-46-7	1,4-dichlorobenzene	87.5	
95-50-1	1,2-dichlorobenzene	2610	
1330-20-7	xylenes (total)	992	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SB

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-11

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D316

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 22 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.6	U
71-43-2	benzene	2.6	U
108-88-3	toluene	1.4	BJ
100-41-4	ethylbenzene	2.6	U
541-73-1	1,3-dichlorobenzene	2.6	U
106-46-7	1,4-dichlorobenzene	2.6	U
95-50-1	1,2-dichlorobenzene	2.6	U
1330-20-7	xylenes (total)	7.7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SS

-b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-12

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D317

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 61 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	5.1	U
71-43-2	benzene	5.1	U
108-88-3	toluene	2.8	BJ
100-41-4	ethylbenzene	5.1	U
541-73-1	1,3-dichlorobenzene	5.1	U
106-46-7	1,4-dichlorobenzene	5.1	U
95-50-1	1,2-dichlorobenzene	5.1	U
1330-20-7	xylenes (total)	15.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: QC392575

Sample wt/vol: 10.0 (g/mL)mL Lab File ID: B2D322

Level: (low/med) LOW Date Received: 10/09/96

% Moisture: not dec. 0 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	18.5	
71-43-2	benzene	18.1	
108-88-3	toluene	17.4	B
100-41-4	ethylbenzene	18.8	
541-73-1	1,3-dichlorobenzene	18.5	
106-46-7	1,4-dichlorobenzene	21.2	
95-50-1	1,2-dichlorobenzene	18.9	
1330-20-7	xylenes (total)	60.2	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B8SBRA0

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-02

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D323

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 18 Date Analyzed: 10/09/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.4	U
71-43-2	benzene	2.4	U
108-88-3	toluene	2.0	BJ
100-41-4	ethylbenzene	2.4	U
541-73-1	1,3-dichlorobenzene	2.4	U
106-46-7	1,4-dichlorobenzene	2.4	U
95-50-1	1,2-dichlorobenzene	2.4	U
1330-20-7	xylenes (total)	2.1	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S7SB-22RA0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-07

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D325

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 36 Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	3.1	U
71-43-2	benzene	3.1	U
108-88-3	toluene	2.6	BJ
100-41-4	ethylbenzene	3.1	U
541-73-1	1,3-dichlorobenzene	3.1	U
106-46-7	1,4-dichlorobenzene	3.1	U
95-50-1	1,2-dichlorobenzene	3.1	U
1330-20-7	xylenes (total)	9.4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B6SBRA0

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-09

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D326

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 25 Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.7	U
71-43-2	benzene	2.7	U
108-88-3	toluene	2.6	BJ
100-41-4	ethylbenzene	2.7	U
541-73-1	1,3-dichlorobenzene	2.7	U
106-46-7	1,4-dichlorobenzene	2.7	U
95-50-1	1,2-dichlorobenzene	2.7	U
1330-20-7	xylenes (total)	8.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B7SBRA0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A172S

Matrix: (soil/water) SOIL Lab Sample ID: 9610172-10

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B2D327

Level: (low/med) LOW Date Received: 10/08/96

% Moisture: not dec. 16 Date Analyzed: 10/10/96

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-90-7	chlorobenzene	2.4	U
71-43-2	benzene	2.4	U
108-88-3	toluene	2.3	BJ
100-41-4	ethylbenzene	2.4	U
541-73-1	1,3-dichlorobenzene	2.4	U
106-46-7	1,4-dichlorobenzene	2.4	U
95-50-1	1,2-dichlorobenzene	2.4	U
1330-20-7	xylenes (total)	7.1	U

METALS DATA

CASE NARRATIVE
SDG 6A172S
Metals Analysis by ICP
Mercury by Cold Vapor
Cyanide Analysis

Sample Analysis

The following samples were analyzed for TAL Metals by Method ILM03.0 and Cyanide by EPA 335.1:

Sample Description	Laboratory Identification
B8SS	9610172-01
B8SB	9610172-02
S7SB-24	9610172-03
S7SB-23	9610172-04
S7SB-21	9610172-05
S7DPSB	9610172-06
S7SB-22	9610172-07
S4SB-2	9610172-08
B6SB	9610172-09
B7SB	9610172-10
B4SB	9610172-11
B6SS	9610172-12
Blank	QC392530 - Trace QC396292 - Hg
Laboratory Control Sample (LCS)	QC392533 - Trace QC396295 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC392534- Trace QC396296 - Hg
S4SB-2 Matrix Spike (MS)	QC392532 - Trace QC396293 - Hg
S4SB-2 Duplicate (Dup)	QC392531 - Trace QC396294 - Hg

Instrument Calibration

All initial and continuing instrument calibration criteria established in the methodology were met for the analyses.

Holding Times

All samples were analyzed within the technical holding times.

Blank Analysis

Zinc was detected in the method blank at levels greater than the instrument detection limit (IDL) and are flagged with a "B". Iron is below the negative IDL and is also flagged with a "B".

Spike and Duplicate Analysis

Four "N" flags resulted for sample S4SB-2 from the matrix spike analysis of antimony, selenium, thallium, and cyanide. All other analytes met the quality criteria for recovery. The ICP post spike analysis did not meet the recovery criteria for antimony, selenium or thallium. One "*" flag resulted from the duplicate analysis of aluminum for sample S4SB-2. All other analytes met the criteria for relative percent difference (RPD).

Laboratory Control Samples

The LCS met the recommended quality control limits for recovery. One "*" flag resulted from the LCSD analysis of iron. All other analytes met the criteria for RPD.

Dilutions

All calcium results reflect a 100 fold dilution, due to high calcium concentrations.

Additional Comments

One "E" flag resulted from the serial dilution analysis of aluminum for sample S4SB-2.

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B8SS

a. ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-01

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _70.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	120		E*	P
7440360	Antimony	0.57	U	N	P
7440382	Arsenic	1.1	B		P
7440393	Barium	5.3	B		P
7440417	Beryllium	0.03	U		P
7440439	Cadmium	0.06	B		P
7440702	Calcium	352000			P
7440473	Chromium	3.0			P
7440484	Cobalt	0.28	U		P
7440508	Copper	5.3	B		P
7439896	Iron	452		*	P
7439921	Lead	8.4			P
7439954	Magnesium	2740			P
7439965	Manganese	4.4			P
7439976	Mercury	0.02	U		AV
7440020	Nickel	0.93	B		P
7440097	Potassium	282	B		P
7782492	Selenium	0.59	B	N	P
7440224	Silver	0.28	U		P
7440235	Sodium	5560			P
7440280	Thallium	0.57	U	N	P
7440622	Vanadium	2.6	B		P
7440666	Zinc	0.28	U		P
74908	Cyanide	0.10	U	N	AS

olor Before: GREY_____ Clarity Before: _____ Texture: COARSE

olor After: _____ Clarity After: CLEAR_ Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B8SB

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-02

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	429		E*	P
7440360	Antimony	0.48	U	N	P
7440382	Arsenic	0.78	B		P
7440393	Barium	7.1	B		P
7440417	Beryllium	0.02	U		P
7440439	Cadmium	0.05	U		P
7440702	Calcium	373000			P
7440473	Chromium	3.6			P
7440484	Cobalt	0.24	U		P
7440508	Copper	5.4	B		P
7439896	Iron	390		*	P
7439921	Lead	10.4			P
7439954	Magnesium	1830			P
7439965	Manganese	6.0			P
7439976	Mercury	0.03	B		AV
7440020	Nickel	2.8	B		P
7440097	Potassium	86.8	B		P
7782492	Selenium	0.51	B	N	P
7440224	Silver	0.24	U		P
7440235	Sodium	1470			P
7440280	Thallium	0.48	U	N	P
7440622	Vanadium	8.2	B		P
7440666	Zinc	0.24	U		P
74908	Cyanide	0.08	U	N	AS

olor Before: TAN_____ Clarity Before: _____ Texture: MEDIUM

olor After: _____ Clarity After: CLEAR_ Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7SB24

ıa. ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-03

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _79.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	1780		E*	P
7440360	Antimony	1.8	B	N	P
7440382	Arsenic	2.1	B		P
7440393	Barium	17.1	B		P
7440417	Beryllium	0.03	U		P
7440439	Cadmium	0.42	B		P
7440702	Calcium	355000			P
7440473	Chromium	5.7			P
7440484	Cobalt	0.29	B		P
7440508	Copper	57.1			P
7439896	Iron	1430		*	P
7439921	Lead	78.3			P
7439954	Magnesium	5540			P
7439965	Manganese	21.3			P
7439976	Mercury	0.05			AV
7440020	Nickel	1.8	B		P
7440097	Potassium	187	B		P
7782492	Selenium	0.50	U	N	P
7440224	Silver	0.25	U		P
7440235	Sodium	1520			P
7440280	Thallium	0.50	U	N	P
7440622	Vanadium	2.7	B		P
7440666	Zinc	29.5			P
74908	Cyanide	0.09	U	N	AS

olor Before: GREY_____ Clarity Before: _____ Texture: FINE__

olor After: _____ Clarity After: CLOUDY Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7SB23

a. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-04

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _66.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	5280		E*	P
7440360	Antimony	1.6	B	N	P
7440382	Arsenic	3.5			P
7440393	Barium	20.1	B		P
7440417	Beryllium	0.12	B		P
7440439	Cadmium	0.77	B		P
7440702	Calcium	287000			P
7440473	Chromium	12.6			P
7440484	Cobalt	0.41	B		P
7440508	Copper	40.3			P
7439896	Iron	3840		*	P
7439921	Lead	265			P
7439954	Magnesium	7530			P
7439965	Manganese	32.5			P
7439976	Mercury	0.07			AV
7440020	Nickel	3.8	B		P
7440097	Potassium	405	B		P
7782492	Selenium	1.4	B	N	P
7440224	Silver	0.39	B		P
7440235	Sodium	1570			P
7440280	Thallium	0.58	U	N	P
7440622	Vanadium	8.5	B		P
7440666	Zinc	90.8			P
74908	Cyanide	0.11	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: TAN_____ Clarity After: _____ Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7SB21

ab ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-05

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	2570		E*	P
7440360	Antimony	0.50	U	N	P
7440382	Arsenic	5.3			P
7440393	Barium	7.8	B		P
7440417	Beryllium	0.05	B		P
7440439	Cadmium	0.42	B		P
7440702	Calcium	232000			P
7440473	Chromium	5.6			P
7440484	Cobalt	0.38	B		P
7440508	Copper	20.4			P
7439896	Iron	3090		*	P
7439921	Lead	172			P
7439954	Magnesium	2470			P
7439965	Manganese	15.2			P
7439976	Mercury	0.04	B		AV
7440020	Nickel	2.1	B		P
7440097	Potassium	263	B		P
7782492	Selenium	0.79	B	N	P
7440224	Silver	0.25	U		P
7440235	Sodium	1110	B		P
7440280	Thallium	0.50	U	N	P
7440622	Vanadium	5.1	B		P
7440666	Zinc	6.6			P
74908	Cyanide	0.09	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

olor After: _____ Clarity After: CLOUDY Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7DPSB

ıı Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıb Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

trix (soil/water): SOIL_ Lab Sample ID: 9610172-06

vel (low/med): LOW__ Date Received: 10/08/96

Solids: _69.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	5110		E*	P
7440360	Antimony	1.4	B	N	P
7440382	Arsenic	3.8			P
7440393	Barium	17.5	B		P
7440417	Beryllium	0.11	B		P
7440439	Cadmium	0.73	B		P
7440702	Calcium	300000			P
7440473	Chromium	11.6			P
7440484	Cobalt	0.33	B		P
7440508	Copper	31.8			P
7439896	Iron	3730		*	P
7439921	Lead	240			P
7439954	Magnesium	6540			P
7439965	Manganese	31.9			P
7439976	Mercury	0.08			AV
7440020	Nickel	3.6	B		P
7440097	Potassium	387	B		P
7782492	Selenium	1.5		N	P
7440224	Silver	0.29	B		P
7440235	Sodium	1380	B		P
7440280	Thallium	0.57	U	N	P
7440622	Vanadium	8.5	B		P
7440666	Zinc	62.0			P
74908	Cyanide	0.10	U	N	AS

lor Before: BROWN____ Clarity Before: _____ Texture: FINE__

lor After: TAN_____ Clarity After: _____ Artifacts: _____

mments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S7SB22

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

Matrix (soil/water): SOIL_ Lab Sample ID: 9610172-07

Level (low/med): LOW__ Date Received: 10/08/96

% Solids: _64.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	2650		E*	P
7440360	Antimony	1.7	B	N	P
7440382	Arsenic	2.4	B		P
7440393	Barium	14.6	B		P
7440417	Beryllium	0.03	U		P
7440439	Cadmium	0.60	B		P
7440702	Calcium	359000			P
7440473	Chromium	6.4			P
7440484	Cobalt	0.31	U		P
7440508	Copper	67.2			P
7439896	Iron	1730		*	P
7439921	Lead	71.3			P
7439954	Magnesium	8380			P
7439965	Manganese	26.1			P
7439976	Mercury	0.05	B		AV
7440020	Nickel	2.4	B		P
7440097	Potassium	329	B		P
7782492	Selenium	1.0	B	N	P
7440224	Silver	0.31	U		P
7440235	Sodium	1720			P
7440280	Thallium	0.61	U	N	P
7440622	Vanadium	3.7	B		P
7440666	Zinc	32.5			P
74908	Cyanide	0.10	U	N	AS

Color Before: GREY_____ Clarity Before: _____ Texture: FINE__

Color After: TAN_____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S4SB2

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-08

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _88.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	243		E*	P
7440360	Antimony	0.44	U	N	P
7440382	Arsenic	1.1	B		P
7440393	Barium	11.9	B		P
7440417	Beryllium	0.02	U		P
7440439	Cadmium	5.9			P
7440702	Calcium	257000			P
7440473	Chromium	14.9			P
7440484	Cobalt	0.22	U		P
7440508	Copper	66.3			P
7439896	Iron	530		*	P
7439921	Lead	60.8			P
7439954	Magnesium	908	B		P
7439965	Manganese	7.8			P
7439976	Mercury	0.08			AV
7440020	Nickel	1.2	B		P
7440097	Potassium	58.2	B		P
7782492	Selenium	0.44	U	N	P
7440224	Silver	1.5	B		P
7440235	Sodium	641	B		P
7440280	Thallium	0.44	U	N	P
7440622	Vanadium	1.7	B		P
7440666	Zinc	65.5			P
74908	Cyanide	0.08	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: TAN_____ Clarity After: _____ Artifacts: _____

omments:

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B6SB

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-09

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _75.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	2220		E*	P
7440360	Antimony	0.53	U	N	P
7440382	Arsenic	3.1			P
7440393	Barium	13.8	B		P
7440417	Beryllium	0.03	B		P
7440439	Cadmium	0.16	B		P
7440702	Calcium	342000			P
7440473	Chromium	7.2			P
7440484	Cobalt	0.27	U		P
7440508	Copper	5.2	B		P
7439896	Iron	1290		*	P
7439921	Lead	8.8			P
7439954	Magnesium	10400			P
7439965	Manganese	17.5			P
7439976	Mercury	0.03	B		AV
7440020	Nickel	1.6	B		P
7440097	Potassium	430	B		P
7782492	Selenium	0.53	U	N	P
7440224	Silver	0.27	U		P
7440235	Sodium	4870			P
7440280	Thallium	0.53	U	N	P
7440622	Vanadium	4.5	B		P
7440666	Zinc	0.27	U		P
74908	Cyanide	0.09	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: _____ Clarity After: CLOUDY Artifacts: _____

omments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B7SB

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-10

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _84.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	1470		E*	P
7440360	Antimony	0.46	U	N	P
7440382	Arsenic	2.8			P
7440393	Barium	19.3	B		P
7440417	Beryllium	0.02	U		P
7440439	Cadmium	0.24	B		P
7440702	Calcium	356000			P
7440473	Chromium	24.5			P
7440484	Cobalt	0.57	B		P
7440508	Copper	39.9			P
7439896	Iron	2300		*	P
7439921	Lead	166			P
7439954	Magnesium	5680			P
7439965	Manganese	27.9			P
7439976	Mercury	0.07			AV
7440020	Nickel	13.2			P
7440097	Potassium	242	B		P
7782492	Selenium	0.46	U	N	P
7440224	Silver	0.26	B		P
7440235	Sodium	2300			P
7440280	Thallium	0.46	U	N	P
7440622	Vanadium	38.7			P
7440666	Zinc	28.4			P
74908	Cyanide	0.08	U	N	AS

olor Before: TAN_____ Clarity Before: _____ Texture: FINE__

olor After: _____ Clarity After: CLOUDY Artifacts: _____

omments:

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U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B4SB

a. ıe: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-11

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _78.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	379		E*	P
7440360	Antimony	0.50	U	N	P
7440382	Arsenic	1.1	B		P
7440393	Barium	4.9	B		P
7440417	Beryllium	0.02	U		P
7440439	Cadmium	0.08	B		P
7440702	Calcium	381000			P
7440473	Chromium	4.9			P
7440484	Cobalt	0.25	U		P
7440508	Copper	7.4			P
7439896	Iron	448		*	P
7439921	Lead	14.2			P
7439954	Magnesium	2110			P
7439965	Manganese	9.7			P
7439976	Mercury	0.03	B		AV
7440020	Nickel	1.1	B		P
7440097	Potassium	123	B		P
7782492	Selenium	0.50	U	N	P
7440224	Silver	0.25	U		P
7440235	Sodium	1550			P
7440280	Thallium	0.50	U	N	P
7440622	Vanadium	2.3	B		P
7440666	Zinc	0.25	U		P
74908	Cyanide	0.09	U	N	AS

olor Before: TAN_____ Clarity Before: _____ Texture: FINE__

olor After: _____ Clarity After: CLEAR_ Artifacts: _____

omments:

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2074

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B6SS

a. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 6A172S

atrix (soil/water): SOIL_ Lab Sample ID: 9610172-12

evel (low/med): LOW__ Date Received: 10/08/96

Solids: _39.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429905	Aluminum	945		E*	P
7440360	Antimony	0.98	U	N	P
7440382	Arsenic	8.1			P
7440393	Barium	7.2	B		P
7440417	Beryllium	0.05	U		P
7440439	Cadmium	0.72	B		P
7440702	Calcium	242000			P
7440473	Chromium	6.2			P
7440484	Cobalt	0.49	U		P
7440508	Copper	14.0			P
7439896	Iron	3640		*	P
7439921	Lead	23.7			P
7439954	Magnesium	4730			P
7439965	Manganese	14.3			P
7439976	Mercury	0.05	B		AV
7440020	Nickel	3.6	B		P
7440097	Potassium	917	B		P
7782492	Selenium	0.98	U	N	P
7440224	Silver	0.49	U		P
7440235	Sodium	21400			P
7440280	Thallium	0.98	U	N	P
7440622	Vanadium	11.7	B		P
7440666	Zinc	140			P
74908	Cyanide	0.17	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: _____ Clarity After: CLEAR_ Artifacts: _____

Comments:

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