N00213.AR.000217
NAS KEY WEST
5090.3a

SUPPLEMENTAL RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATION AND REMEDIAL INVESTIGATION REPORT FOR EIGHT SITES APPENDIX I VOLUME 1 NAS KEY WEST FL

6/1/1997

BROWN AND ROOT ENVIRONMENTAL

Supplemental RCRA Facility Investigation and Remedial Investigation Report

Appendix I, Volume I

0005

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

Supplemental RCRA Facility Investigation and Remedial Investigation Report

Appendix I, Volume I

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 1 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:

CHUCK BRYAN
TASK ORDER MANAGER
BROWN & ROOT ENVIRONMENTAL
AIKEN, SOUTH CAROLINA

APPROVED BY:

DEBBIE WROBLEWSKI
PROGRAM MANAGER
BROWN & ROOT ENVIRONMENTAL
PITTSBURGH, PENNSYLVANIA

General Engineering
Labs

SDG 68319W

GENERAL CASE NARRATIVE

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

October 3, 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 August 14, 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
RB01-080996	9609319-01
I8MW8-5	9609319-02
I8KMW-14	9609319-03
I8KMW-15	9609319-04
I8KMW-16R	9609319-05
I8MW8-3	9609319-06
I8DPGW-01	9609319-07
I8MW8-1	9609319-08
I8MW8-4	9609319-09
I8KMW-13R	9609319-10
TB01-081296	9609319-11
I8MW8-6	9609319-12
I8MW8-2	9609319-13

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

Printed on recycled paper.

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: Case Narrative, Volatiles, Semivolatiles, Herbicides, Pesticides/PCB, Metals, Cyanide, Raw Data, Prep Data, Chain of Custody, and Electronic Data Hardcopy Report.

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

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

Printed on recycled paper.

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:hali00396.100396

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

Printed on recycled paper.

HALI Parmname	GEL Parmname
ICHLOROETHENE	1,1-DICHLOROETHYLENE
1,3-DINITROBENZENE	m-DINITROBENZENE
2,4,5-TP (SILVEX)	SILVEX
2-CHLORO-1,3-BUTADIENE	CHLOROPRENE
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-DICHLOROETHYLENE
CIS-1,3-DICHLOROPROPENE	CIS-1,3-DICHLOROPROPYLENE
CORROSIVITY (pH)	CORROSIVITY
ENDOSULFAN-I	ENDOSULFAN I
ETHYL CYANIDE	PROPIONITRILE
IODOMETHANE	METHYL IODIDE
M & P-CRESOL	3-METHYLPHENOL,4-METHYLPHENOL
N-NITROSODIMETHYLAMINE	N-METHYL-N-NITROSOMETHYLAMINE
O,O,O-TRIETHYLPHOSPHOROTHIOATE	TRIETHYLPHOSPHOROTHIOATE
P-DIMETHYLAMINOAZOBENZENE	P-(DIMETHYLAMINO)AZOBENZE
SULFOTEP	SULFOTEPP
TETRACHLOROETHENE	TETRACHLOROETHYLENE
THIONAZIN	THIONAZINE
TRANS-1,2-DICHLOROETHENE	1-2,TRANS-DICHLOROETHYLENE
NS-1,3-DICHLOROPROPENE	TRANS-1,3-DICHLOROPROPYLENE
HLOROETHENE	TRICHLOROETHYLENE

HERBICIDE/PESTICIDES/PCB DATA

CASE NARRATIVE
SDG 68319W
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
RB01-080996	9608319-01
I8MW8-5	9608319-02
I8KMW-14	9608319-03
I8KMW-15	9608319-04
I8KMW-16R	9608319-05
I8MW8-3	9608319-06
I8DPGW-01	9608319-07
I8MW8-1	9608319-08
I8MW8-4	9608319-09
I8KMW-13R	9608319-10
I8MW8-6	9608319-12
I8MW8-2	9608319-13
Blank	QC379308
Laboratory Control Sample (LCS)	QC379309
Laboratory Control Sample Duplicate (LCSD)	QC379310
I8MW8-2 Matrix Spike (MS)	QC379311
I8MW8-2 Matrix Spike Duplicate (MSD)	QC379312

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

All surrogates met acceptance 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). The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

The LCS and LCSD analyzed did not meet the quality control criteria for recoveries and RPD. The samples were re-extracted out of holding, unfortunately, the re-extracted LCS and LCSD also failed to meet quality control criteria. The MS and MSD can be used to demonstrate accuracy and precision. The original data is reported, however, the re-extracted raw data is also included in the package.

Dilutions

A standard 10x dilution was made on all samples and QC samples. However, samples I8KMW-15 and I8MW8-1 were analyzed 100x and 500x, respectively, due to matrix interference.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379308

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 003F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379309

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 004F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.44	
95-76-5	2,4,5-T	0.48	
93-72-1	2,4,5-TP	0.53	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379310

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 005F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.36	
95-76-5	2,4,5-T	0.38	
93-72-1	2,4,5-TP	0.42	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-6MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379311

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 006F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.92	P
95-76-5	2,4,5-T	0.89	P
93-72-1	2,4,5-TP	1.1	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-6MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379312

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 007F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.96	P
93-72-1	2,4,5-TP	1.2	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-080996

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-01

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 008F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-5

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-02

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 009F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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.

I8KMW-14

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-03

Sample wt/vol: 1020 (g/mL) mL Lab File ID: 010F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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.

I8KMW-15

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-04

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 011F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

18KMW-16R

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-05

Sample wt/vol: 1015 (g/mL) mL Lab File ID: 012F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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.

I8MW8-3

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-06

Sample wt/vol: 1020 (g/mL) mL Lab File ID: 014F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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.

I8DPGW-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-07

Sample wt/vol: 1015 (g/mL) mL Lab File ID: 015F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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.

I8MW8-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-08

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 016F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-09

Sample wt/vol: 990 (g/mL) mL Lab File ID: 017F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.48	P
95-76-5	2,4,5-T	0.10	U
93-72-1	2,4,5-TP	0.26	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-13R

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-10

Sample wt/vol: 1020 (g/mL) mL Lab File ID: 018F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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.

I8MW8-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 019F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2

ab Name: GENERAL ENGINEERING LABOR Contract:

ab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-13

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 020F0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/21/96

Injection Volume: 2.0(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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

CASE NARRATIVE
SDG 68319W
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
RB01-080996	9608319-01
I8MW8-5	9608319-02
I8KMW-14	9608319-03
I8KMW-15	9608319-04
I8KMW-16R	9608319-05
I8MW8-3	9608319-06
I8DPGW-01	9608319-07
I8MW8-1	9608319-08
I8MW8-4	9608319-09
I8KMW-13R	9608319-10
I8MW8-6	9608319-12
I8MW8-2	9608319-13
Blank	QC379270
Laboratory Control Sample (LCS)	QC379271
Laboratory Control Sample Duplicate (LCSD)	QC379272
LCS	QC379273
LCSD	QC379274
I8MW8-2 Matrix Spike (MS)	QC379275
I8MW8-2 Matrix Spike Duplicate (MSD)	QC379276
I8MW8-2 (MS)	QC379277
I8MW8-2 (MSD)	QC379278

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

All samples met surrogate recovery acceptance criteria. (Note: DBC failed on both columns for samples I8MW8 and I8KMW-13R, but only one surrogate is required to meet 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). The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

The LCS and LCSD samples analyzed met quality control criteria for recoveries and RPD. The limits are generated by SPC.

Dilutions

The samples were originally analyzed undiluted. However, due to matrix interference, the following samples were analyzed at the corresponding dilutions:

I8KMW-14	10x
I8KMW-15	10x
I8KMW-16R	5x
I8MW8-3	5x
I8DPGW-01	50x
I8MW8-1	20x
I8MW8-4	10x
I8KMW-13R	50x
I8MW8-6	5x
I8MW8-2	5x

Additional Comments

Due to suspected high concentrations of Lindane, sample I8MW8-1 was analyzed on the GC/MS. Lindane was not confirmed.

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379270

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10019

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379270

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10019

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379271

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10020

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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	0.088	
319-85-7	beta-BHC	0.085	
319-86-8	delta-BHC	0.081	
58-89-9	gamma-BHC	0.084	
76-44-8	Heptachlor	0.083	
309-00-2	Aldrin	0.070	
1024-57-3	Heptachlor epoxide	0.068	
959-98-8	Endosulfan I	0.088	
60-57-1	Dieldrin	0.089	P
72-55-9	4,4'-DDE	0.086	P
72-20-8	Endrin	0.10	
33213-65-9	Endosulfan II	0.089	P
72-54-8	4;4'-DDD	0.11	P
1031-07-8	Endosulfan sulfate	0.084	
50-29-3	4,4'-DDT	0.097	P
72-43-5	Methoxychlor	0.49	
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	0.05	U
298-00-0	Parathion, methyl	0.05	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379271

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10020

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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	0.05	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379273

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10022

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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
11096-82-5	Aroclor-1260	0.58	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379272

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10021

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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	0.088	
319-85-7	beta-BHC	0.084	
319-86-8	delta-BHC	0.082	
58-89-9	gamma-BHC	0.085	
76-44-8	Heptachlor	0.082	
309-00-2	Aldrin	0.069	
1024-57-3	Heptachlor epoxide	0.069	
959-98-8	Endosulfan I	0.084	
60-57-1	Dieldrin	0.087	P
72-55-9	4,4'-DDE	0.085	P
72-20-8	Endrin	0.098	
33213-65-9	Endosulfan II	0.087	P
72-54-8	4,4'-DDD	0.10	P
1031-07-8	Endosulfan sulfate	0.082	
50-29-3	4,4'-DDT	0.095	P
72-43-5	Methoxychlor	0.33	
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	0.05	U
298-00-0	Parathion, methyl	0.05	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379272

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10021

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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	0.05	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379274

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10023

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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
11096-82-5	Aroclor-1260	0.60	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379275

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10024

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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	0.077	
319-85-7	beta-BHC	0.077	P
319-86-8	delta-BHC	0.076	P
58-89-9	gamma-BHC	1.3	EP
76-44-8	Heptachlor	0.083	
309-00-2	Aldrin	0.10	
1024-57-3	Heptachlor epoxide	0.13	P
959-98-8	Endosulfan I	0.091	P
60-57-1	Dieldrin	0.089	P
72-55-9	4,4'-DDE	0.089	P
72-20-8	Endrin	0.10	
33213-65-9	Endosulfan II	0.091	
72-54-8	4,4'-DDD	0.11	
1031-07-8	Endosulfan sulfate	0.082	
50-29-3	4,4'-DDT	0.10	
72-43-5	Methoxychlor	0.45	
7421-93-4	Endrin aldehyde	0.058	
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	0.05	U
298-00-0	Parathion, methyl	0.05	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379275

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10024

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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	0.05	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379277

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10026

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

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
11096-82-5	Aroclor-1260	0.91	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379276

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10025

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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	0.088	
319-85-7	beta-BHC	0.10	P
319-86-8	delta-BHC	0.092	P
58-89-9	gamma-BHC	1.5	EP
76-44-8	Heptachlor	0.097	
309-00-2	Aldrin	0.076	P
1024-57-3	Heptachlor epoxide	0.092	P
959-98-8	Endosulfan I	0.10	P
60-57-1	Dieldrin	0.10	P
72-55-9	4,4'-DDE	0.097	P
72-20-8	Endrin	0.12	
33213-65-9	Endosulfan II	0.10	P
72-54-8	4,4'-DDD	0.12	P
1031-07-8	Endosulfan sulfate	0.098	
50-29-3	4,4'-DDT	0.12	P
72-43-5	Methoxychlor	0.50	P
7421-93-4	Endrin aldehyde	0.081	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	0.05	U
298-00-0	Parathion, methyl	0.05	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379276

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10025

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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	0.05	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379278

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10027

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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
11096-82-5	Aroclor-1260	0.91	-----

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-080996

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10029

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01-080996

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10029

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-5

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10030

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-5

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-02

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10030

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-14

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10031

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-14

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10031

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/17/96

Injection Volume: 2.0(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 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-15 DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10030

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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
319-84-6	alpha-BHC	0.20	U
319-85-7	beta-BHC	0.20	U
319-86-8	delta-BHC	0.20	U
58-89-9	gamma-BHC	0.20	U
76-44-8	Heptachlor	0.20	U
309-00-2	Aldrin	0.20	U
1024-57-3	Heptachlor epoxide	0.20	U
959-98-8	Endosulfan I	0.20	U
60-57-1	Dieldrin	0.40	U
72-55-9	4,4'-DDE	0.40	U
72-20-8	Endrin	0.40	U
33213-65-9	Endosulfan II	0.40	U
72-54-8	4,4'-DDD	0.40	U
1031-07-8	Endosulfan sulfate	0.40	U
50-29-3	4,4'-DDT	0.40	U
72-43-5	Methoxychlor	2.0	U
7421-93-4	Endrin aldehyde	0.40	U
8001-35-2	Toxaphene	10.0	U
12674-11-2	Aroclor-1016	1.2	U
11104-28-2	Aroclor-1221	1.2	U
1114-16-5	Aroclor-1232	1.2	U
53469-21-9	Aroclor-1242	1.2	U
12672-29-6	Aroclor-1248	1.2	U
11097-69-1	Aroclor-1254	1.2	U
11096-82-5	Aroclor-1260	1.2	U
57-74-9	Chlordane	2.5	U
298-02-2	Phorate	0.50	U
298-00-0	Parathion, methyl	0.50	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-15 DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-04

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10030

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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
56-38-2	Parathion	0.50	U

638

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-16R DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10031

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
319-84-6	alpha-BHC	0.10	U
319-85-7	beta-BHC	0.10	U
319-86-8	delta-BHC	0.10	U
58-89-9	gamma-BHC	0.10	U
76-44-8	Heptachlor	0.10	U
309-00-2	Aldrin	0.10	U
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	0.20	U
72-55-9	4,4'-DDE	0.20	U
72-20-8	Endrin	0.20	U
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.20	U
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	0.20	U
72-43-5	Methoxychlor	1.0	U
7421-93-4	Endrin aldehyde	0.20	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	0.62	U
11104-28-2	Aroclor-1221	0.62	U
1114-16-5	Aroclor-1232	0.62	U
53469-21-9	Aroclor-1242	0.62	U
12672-29-6	Aroclor-1248	0.62	U
11097-69-1	Aroclor-1254	0.62	U
11096-82-5	Aroclor-1260	0.62	U
57-74-9	Chlordane	1.2	U
298-02-2	Phorate	0.25	U
298-00-0	Parathion, methyl	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-16R DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-05

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10031

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
56-38-2	Parathion	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-3 DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10032

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
319-84-6	alpha-BHC	0.10	U
319-85-7	beta-BHC	0.10	U
319-86-8	delta-BHC	0.10	U
58-89-9	gamma-BHC	0.10	U
76-44-8	Heptachlor	0.10	U
309-00-2	Aldrin	0.10	U
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	0.20	U
72-55-9	4,4'-DDE	0.20	U
72-20-8	Endrin	0.20	U
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.20	U
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	0.20	U
72-43-5	Methoxychlor	1.0	U
7421-93-4	Endrin aldehyde	0.20	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	0.62	U
11104-28-2	Aroclor-1221	0.62	U
1114-16-5	Aroclor-1232	0.62	U
53469-21-9	Aroclor-1242	0.62	U
12672-29-6	Aroclor-1248	0.62	U
11097-69-1	Aroclor-1254	0.62	U
11096-82-5	Aroclor-1260	0.62	U
57-74-9	Chlordane	1.2	U
298-02-2	Phorate	0.25	U
298-00-0	Parathion, methyl	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-3

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-06

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10032

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
56-38-2	Parathion	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8DPGW-01 DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10034

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(uL) Dilution Factor: 50.0

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	1.0	U
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC	1.0	U
76-44-8	Heptachlor	1.0	U
309-00-2	Aldrin	1.0	U
1024-57-3	Heptachlor epoxide	1.0	U
959-98-8	Endosulfan I	1.0	U
60-57-1	Dieldrin	2.0	U
72-55-9	4,4'-DDE	2.0	U
72-20-8	Endrin	2.0	U
33213-65-9	Endosulfan II	2.0	U
72-54-8	4,4'-DDD	2.0	U
1031-07-8	Endosulfan sulfate	2.0	U
50-29-3	4,4'-DDT	2.0	U
72-43-5	Methoxychlor	10.0	U
7421-93-4	Endrin aldehyde	2.0	U
8001-35-2	Toxaphene	50.0	U
12674-11-2	Aroclor-1016	6.2	U
11104-28-2	Aroclor-1221	6.2	U
1114-16-5	Aroclor-1232	6.2	U
53469-21-9	Aroclor-1242	6.2	U
12672-29-6	Aroclor-1248	6.2	U
11097-69-1	Aroclor-1254	6.2	U
11096-82-5	Aroclor-1260	6.2	U
57-74-9	Chlordane	12.5	U
298-02-2	Phorate	2.5	U
298-00-0	Parathion, methyl	2.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8DPGW-01DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-07

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10034

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(uL) Dilution Factor: 50.0

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	2.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-1 DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10035

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(uL) Dilution Factor: 20.0

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	0.40	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	0.62	P
309-00-2	Aldrin	0.40	U
1024-57-3	Heptachlor epoxide	0.40	U
959-98-8	Endosulfan I	0.40	U
60-57-1	Dieldrin	0.80	U
72-55-9	4,4'-DDE	0.80	U
72-20-8	Endrin	0.80	U
33213-65-9	Endosulfan II	0.80	U
72-54-8	4,4'-DDD	0.80	U
1031-07-8	Endosulfan sulfate	0.80	U
50-29-3	4,4'-DDT	0.80	U
72-43-5	Methoxychlor	4.0	U
7421-93-4	Endrin aldehyde	0.80	U
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

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-1 DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-08

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10035

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(uL) Dilution Factor: 20.0

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	1.0	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-4 DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-09

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10036

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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
319-84-6	alpha-BHC	0.20	U
319-85-7	beta-BHC	0.20	U
319-86-8	delta-BHC	0.20	U
58-89-9	gamma-BHC	0.20	U
76-44-8	Heptachlor	0.20	U
309-00-2	Aldrin	0.20	U
1024-57-3	Heptachlor epoxide	0.20	U
959-98-8	Endosulfan I	0.20	U
60-57-1	Dieldrin	0.40	U
72-55-9	4,4'-DDE	0.40	U
72-20-8	Endrin	0.40	U
33213-65-9	Endosulfan II	0.40	U
72-54-8	4,4'-DDD	0.40	U
1031-07-8	Endosulfan sulfate	0.40	U
50-29-3	4,4'-DDT	0.40	U
72-43-5	Methoxychlor	2.0	U
7421-93-4	Endrin aldehyde	0.40	U
8001-35-2	Toxaphene	10.0	U
12674-11-2	Aroclor-1016	1.2	U
11104-28-2	Aroclor-1221	1.2	U
1114-16-5	Aroclor-1232	1.2	U
53469-21-9	Aroclor-1242	1.2	U
12672-29-6	Aroclor-1248	1.2	U
11097-69-1	Aroclor-1254	1.2	U
11096-82-5	Aroclor-1260	1.2	U
57-74-9	Chlordane	2.5	U
298-02-2	Phorate	0.50	U
298-00-0	Parathion, methyl	0.50	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-4 DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-09

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10036

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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
56-38-2	Parathion	0.50	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-13R DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10037

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(uL) Dilution Factor: 50.0

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	1.0	U
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC	1.0	U
76-44-8	Heptachlor	1.0	U
309-00-2	Aldrin	1.0	U
1024-57-3	Heptachlor epoxide	1.0	U
959-98-8	Endosulfan I	1.0	U
60-57-1	Dieldrin	2.0	U
72-55-9	4,4'-DDE	2.0	U
72-20-8	Endrin	2.0	U
33213-65-9	Endosulfan II	2.0	U
72-54-8	4,4'-DDD	2.0	U
1031-07-8	Endosulfan sulfate	2.0	U
50-29-3	4,4'-DDT	2.0	U
72-43-5	Methoxychlor	10.0	U
7421-93-4	Endrin aldehyde	2.0	U
8001-35-2	Toxaphene	50.0	U
12674-11-2	Aroclor-1016	6.2	U
11104-28-2	Aroclor-1221	6.2	U
1114-16-5	Aroclor-1232	6.2	U
53469-21-9	Aroclor-1242	6.2	U
12672-29-6	Aroclor-1248	6.2	U
11097-69-1	Aroclor-1254	6.2	U
11096-82-5	Aroclor-1260	6.2	U
57-74-9	Chlordane	12.5	U
298-02-2	Phorate	2.5	U
298-00-0	Parathion, methyl	2.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8KMW-13R DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10037

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(uL) Dilution Factor: 50.0

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	2.5	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-6 DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10038

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
319-84-6	alpha-BHC	0.10	U
319-85-7	beta-BHC	0.10	U
319-86-8	delta-BHC	0.10	U
58-89-9	gamma-BHC	0.10	U
76-44-8	Heptachlor	0.10	U
309-00-2	Aldrin	0.10	U
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	0.20	U
72-55-9	4,4'-DDE	0.20	U
72-20-8	Endrin	0.20	U
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.20	U
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	0.20	U
72-43-5	Methoxychlor	1.0	U
7421-93-4	Endrin aldehyde	0.20	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	0.62	U
11104-28-2	Aroclor-1221	0.62	U
1114-16-5	Aroclor-1232	0.62	U
53469-21-9	Aroclor-1242	0.62	U
12672-29-6	Aroclor-1248	0.62	U
11097-69-1	Aroclor-1254	0.62	U
11096-82-5	Aroclor-1260	0.62	U
57-74-9	Chlordane	1.2	U
298-02-2	Phorate	0.25	U
298-00-0	Parathion, methyl	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-6 DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10038

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
56-38-2	Parathion	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2 DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10039

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
319-84-6	alpha-BHC	0.10	U
319-85-7	beta-BHC	0.10	U
319-86-8	delta-BHC	0.10	U
58-89-9	gamma-BHC	0.10	U
76-44-8	Heptachlor	0.10	U
309-00-2	Aldrin	0.10	U
1024-57-3	Heptachlor epoxide	0.10	U
959-98-8	Endosulfan I	0.10	U
60-57-1	Dieldrin	0.20	U
72-55-9	4,4'-DDE	0.20	U
72-20-8	Endrin	0.20	U
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.20	U
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	0.20	U
72-43-5	Methoxychlor	1.0	U
7421-93-4	Endrin aldehyde	0.20	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	0.62	U
11104-28-2	Aroclor-1221	0.62	U
1114-16-5	Aroclor-1232	0.62	U
53469-21-9	Aroclor-1242	0.62	U
12672-29-6	Aroclor-1248	0.62	U
11097-69-1	Aroclor-1254	0.62	U
11096-82-5	Aroclor-1260	0.62	U
57-74-9	Chlordane	1.2	U
298-02-2	Phorate	0.25	U
298-00-0	Parathion, methyl	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2 DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10039

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
56-38-2	Parathion	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MS DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379275

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10025

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
319-84-6	alpha-BHC	0.12	P
319-85-7	beta-BHC	0.11	P
319-86-8	delta-BHC	0.11	P
58-89-9	gamma-BHC	4.6	EP
76-44-8	Heptachlor	0.12	
309-00-2	Aldrin	0.12	P
1024-57-3	Heptachlor epoxide	0.13	
959-98-8	Endosulfan I	0.11	P
60-57-1	Dieldrin	0.14	JP
72-55-9	4,4'-DDE	0.11	JP
72-20-8	Endrin	0.15	J
33213-65-9	Endosulfan II	0.12	J
72-54-8	4,4'-DDD	0.19	J
1031-07-8	Endosulfan sulfate	0.098	JP
50-29-3	4,4'-DDT	0.16	JP
72-43-5	Methoxychlor	0.63	J
7421-93-4	Endrin aldehyde	0.11	J
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	0.62	U
11104-28-2	Aroclor-1221	0.62	U
1114-16-5	Aroclor-1232	0.62	U
53469-21-9	Aroclor-1242	0.62	U
12672-29-6	Aroclor-1248	0.62	U
11097-69-1	Aroclor-1254	0.62	U
11096-82-5	Aroclor-1260	0.62	U
57-74-9	Chlordane	1.2	U
298-02-2	Phorate	0.25	U
298-00-0	Parathion, methyl	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MS DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379275

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10025

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
56-38-2	Parathion	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MS DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379277

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10027

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
11096-82-5	Aroclor-1260	1.9	

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MSD DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379276

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10026

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
319-84-6	alpha-BHC	0.15	
319-85-7	beta-BHC	0.075	JP
319-86-8	delta-BHC	0.14	P
58-89-9	gamma-BHC	5.7	EP
76-44-8	Heptachlor	0.16	
309-00-2	Aldrin	0.13	P
1024-57-3	Heptachlor epoxide	0.23	
959-98-8	Endosulfan I	0.14	P
60-57-1	Dieldrin	0.15	JP
72-55-9	4,4'-DDE	0.14	JP
72-20-8	Endrin	0.18	J
33213-65-9	Endosulfan II	0.16	J
72-54-8	4,4'-DDD	0.23	
1031-07-8	Endosulfan sulfate	0.12	JP
50-29-3	4,4'-DDT	0.20	P
72-43-5	Methoxychlor	0.85	J
7421-93-4	Endrin aldehyde	0.17	J
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	0.62	U
11104-28-2	Aroclor-1221	0.62	U
1114-16-5	Aroclor-1232	0.62	U
53469-21-9	Aroclor-1242	0.62	U
12672-29-6	Aroclor-1248	0.62	U
11097-69-1	Aroclor-1254	0.62	U
11096-82-5	Aroclor-1260	0.62	U
57-74-9	Chlordane	1.2	U
298-02-2	Phorate	0.25	U
298-00-0	Parathion, methyl	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MSD DL1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379276

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10026

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
56-38-2	Parathion	0.25	U

FORM 1
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8MW8-2MSD DL1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379278

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10028

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/15/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/16/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 08/27/96

Injection Volume: 2.0(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/L	Q
11096-82-5	Aroclor-1260	1.56	EP

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 68319W
Semivolatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Semivolatile Organic Compounds by SW-846 Method 8270:

Sample Description	Laboratory Identification
RB01-080996	9608319-01
Blank	QC379495
Laboratory Control Sample (LCS)	QC379496
Laboratory Control Sample Duplicate (LCSD)	QC379497
RB01-080996 Matrix Spike (MS)	QC379498
RB01-080996 Matrix Spike Duplicate (MSD)	QC379499

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.

Surrogate Analysis

Sample RB01-080996 did not meet the surrogate recovery criteria for 2-fluorobiphenyl. The sample was not re-extracted because the surrogate also failed in the corresponding QC samples (QC379498, and QC379899), duplicating and confirming matrix interference.

Internal Standards

All samples met internal standard recovery criteria.

Blank Analysis

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

Spike Analysis

Since we do not have Statistical Process Control (SPC) limits for all of the target compounds, we have assigned static limits for the nonroutinely spiked compounds. SPC limits are reported for our regular spiking compounds.

Laboratory Control Samples

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

Dilutions

The samples were analyzed undiluted.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379495

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H208

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

SBLK01

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379495

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H208

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

SBLK01

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379495

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H208

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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
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.

SBLK01

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379495

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H208

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

SBLK01MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379496

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H209

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	26.3	
106-44-5	4-methylphenol	73.3	
67-72-1	hexachloroethane	63.7	
98-95-3	nitrobenzene	74.4	
87-68-3	hexachlorobutadiene	73.6	
88-06-2	2,4,6-trichlorophenol	94.2	
95-95-4	2,4,5-trichlorophenol	103	
121-14-2	2,4-dinitrotoluene	100	
118-74-1	hexachlorobenzene	90.8	
87-86-5	pentachlorophenol	113	
62-53-3	aniline	94.3	
108-95-2	phenol	55.3	
111-44-4	bis(2-chloroethyl)ether	73.7	
95-57-8	2-chlorophenol	77.7	
541-73-1	1,3-dichlorobenzene	70.9	
106-46-7	1,4-dichlorobenzene	70.2	
100-51-6	benzyl alcohol	85.8	
95-50-1	1,2-dichlorobenzene	71.2	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	72.6	
78-59-1	isophorone	81.4	
88-75-5	2-nitrophenol	90.1	
105-67-9	2,4-dimethylphenol	68.5	
111-91-1	bis(2-chloroethoxy)methane	80.7	
120-83-2	2,4-dichlorophenol	86.0	
120-82-1	1,2,4-trichlorobenzene	78.2	
91-20-3	naphthalene	66.8	
106-47-8	4-chloroaniline	41.6	
59-50-7	4-chloro-3-methylphenol	83.2	
91-57-6	2-methylnaphthalene	88.2	
77-47-4	hexachlorocyclopentadiene	78.7	
91-58-7	2-chloronaphthalene	90.7	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379496

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H209

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	105	
131-11-3	dimethylphthalate	92.1	
209-96-8	acenaphthylene	89.1	
606-20-2	2,6-dinitrotoluene	99.7	
99-09-2	3-nitroaniline	132	E
83-32-9	acenaphthene	80.7	
51-28-5	2,4-dinitrophenol	126	E
132-64-9	dibenzofuran	88.0	
100-02-7	4-nitrophenol	63.0	
84-66-2	diethylphthalate	83.2	
7005-72-3	4-chlorophenylphenylether	88.1	
86-73-7	fluorene	83.1	
100-01-6	4-nitroaniline	123	E
534-52-1	4,6-dinitro-2-methylphenol	130	E
86-30-6	N-nitroso-diphenylamine	87.0	
101-55-3	4-bromophenylphenylether	100	
85-01-8	phenanthrene	104	
120-12-7	anthracene	95.7	
84-74-2	di-n-butylphthalate	96.2	
206-44-0	fluoranthene	83.4	
129-00-0	pyrene	97.4	
85-68-7	butylbenzylphthalate	98.4	
91-94-1	3,3'-dichlorobenzidine	87.8	
56-55-3	benzo(a)anthracene	107	
218-01-9	chrysene	87.9	
117-81-7	bis(2-ethylhexyl)phthalate	98.5	
117-84-0	di-n-octylphthalate	81.5	
205-99-2	benzo(b)fluoranthene	102	
207-08-9	benzo(k)fluoranthene	95.8	
50-32-8	benzo(a)pyrene	94.8	
193-39-5	indeno(1,2,3-cd)pyrene	95.3	
53-70-3	dibenz(a,h)anthracene	84.9	
191-24-2	benzo(g,h,i)perylene	89.9	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379496

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H209

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	62.2	
123-91-1	1,4-dioxane	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.

SBLK01MS

› Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379496

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H209

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

SBLK01MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379497

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H210

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	29.8	
106-44-5	4-methylphenol	75.8	
67-72-1	hexachloroethane	67.1	
98-95-3	nitrobenzene	72.7	
87-68-3	hexachlorobutadiene	76.0	
88-06-2	2,4,6-trichlorophenol	86.8	
95-95-4	2,4,5-trichlorophenol	97.1	
121-14-2	2,4-dinitrotoluene	100	
118-74-1	hexachlorobenzene	89.1	
87-86-5	pentachlorophenol	114	
62-53-3	aniline	94.5	
108-95-2	phenol	55.4	
111-44-4	bis(2-chloroethyl)ether	73.6	
95-57-8	2-chlorophenol	77.1	
541-73-1	1,3-dichlorobenzene	73.4	
106-46-7	1,4-dichlorobenzene	73.4	
100-51-6	benzyl alcohol	86.0	
95-50-1	1,2-dichlorobenzene	73.7	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	71.4	
78-59-1	isophorone	79.2	
88-75-5	2-nitrophenol	89.5	
105-67-9	2,4-dimethylphenol	73.8	
111-91-1	bis(2-chloroethoxy)methane	79.1	
120-83-2	2,4-dichlorophenol	85.9	
120-82-1	1,2,4-trichlorobenzene	80.0	
91-20-3	naphthalene	70.1	
106-47-8	4-chloroaniline	130	E
59-50-7	4-chloro-3-methylphenol	84.6	
91-57-6	2-methylnaphthalene	86.2	
77-47-4	hexachlorocyclopentadiene	72.6	
91-58-7	2-chloronaphthalene	85.5	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379497

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H210

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	99.4	
131-11-3	dimethylphthalate	90.8	
209-96-8	acenaphthylene	84.9	
606-20-2	2,6-dinitrotoluene	98.7	
99-09-2	3-nitroaniline	129	E
83-32-9	acenaphthene	80.1	
51-28-5	2,4-dinitrophenol	129	E
132-64-9	dibenzofuran	87.6	
100-02-7	4-nitrophenol	67.4	
84-66-2	diethylphthalate	83.0	
7005-72-3	4-chlorophenylphenylether	85.6	
86-73-7	fluorene	81.8	
100-01-6	4-nitroaniline	112	
534-52-1	4,6-dinitro-2-methylphenol	126	E
86-30-6	N-nitroso-diphenylamine	86.0	
101-55-3	4-bromophenylphenylether	96.9	
85-01-8	phenanthrene	100	
120-12-7	anthracene	94.6	
84-74-2	di-n-butylphthalate	92.9	
206-44-0	fluoranthene	80.5	
129-00-0	pyrene	92.6	
85-68-7	butylbenzylphthalate	93.1	
91-94-1	3,3'-dichlorobenzidine	86.5	
56-55-3	benzo(a)anthracene	97.8	
218-01-9	chrysene	97.8	
117-81-7	bis(2-ethylhexyl)phthalate	88.9	
117-84-0	di-n-octylphthalate	82.6	
205-99-2	benzo(b)fluoranthene	98.0	
207-08-9	benzo(k)fluoranthene	95.5	
50-32-8	benzo(a)pyrene	92.6	
193-39-5	indeno(1,2,3-cd)pyrene	94.1	
53-70-3	dibenz(a,h)anthracene	83.1	
191-24-2	benzo(g,h,i)perylene	89.8	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379497

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H210

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	63.1	
123-91-1	1,4-dioxane	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

b Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379497

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H210

Level: (low/med) LOW Date Received: 08/16/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

RB01080996

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H213

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

RB01080996

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H213

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

RB01080996

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H213

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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
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.

RB01080996

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608319-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H213

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

RB01080996MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379498

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H211

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	66.8	
106-44-5	4-methylphenol	76.5	
67-72-1	hexachloroethane	64.0	
98-95-3	nitrobenzene	73.6	
87-68-3	hexachlorobutadiene	74.4	
88-06-2	2,4,6-trichlorophenol	68.8	
95-95-4	2,4,5-trichlorophenol	71.9	
121-14-2	2,4-dinitrotoluene	87.4	
118-74-1	hexachlorobenzene	80.3	
87-86-5	pentachlorophenol	100	
62-53-3	aniline	81.1	
108-95-2	phenol	53.7	
111-44-4	bis(2-chloroethyl)ether	71.8	
95-57-8	2-chlorophenol	71.9	
541-73-1	1,3-dichlorobenzene	69.5	
106-46-7	1,4-dichlorobenzene	69.0	
100-51-6	benzyl alcohol	75.8	
95-50-1	1,2-dichlorobenzene	69.1	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	62.7	
78-59-1	isophorone	72.8	
88-75-5	2-nitrophenol	86.3	
105-67-9	2,4-dimethylphenol	83.8	
111-91-1	bis(2-chloroethoxy)methane	75.2	
120-83-2	2,4-dichlorophenol	29.7	
120-82-1	1,2,4-trichlorobenzene	78.1	
91-20-3	naphthalene	67.6	
106-47-8	4-chloroaniline	42.0	
59-50-7	4-chloro-3-methylphenol	87.3	
91-57-6	2-methylnaphthalene	88.1	
77-47-4	hexachlorocyclopentadiene	68.2	
91-58-7	2-chloronaphthalene	84.4	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01080996MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379498

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H211

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	92.0	
131-11-3	dimethylphthalate	80.0	
209-96-8	acenaphthylene	77.9	
606-20-2	2,6-dinitrotoluene	83.2	
99-09-2	3-nitroaniline	113	
83-32-9	acenaphthene	73.6	
51-28-5	2,4-dinitrophenol	116	
132-64-9	dibenzofuran	78.8	
100-02-7	4-nitrophenol	62.5	
84-66-2	diethylphthalate	79.1	
7005-72-3	4-chlorophenylphenylether	78.2	
86-73-7	fluorene	76.6	
100-01-6	4-nitroaniline	99.8	
534-52-1	4,6-dinitro-2-methylphenol	111	
86-30-6	N-nitroso-diphenylamine	81.3	
101-55-3	4-bromophenylphenylether	79.0	
85-01-8	phenanthrene	86.0	
120-12-7	anthracene	80.8	
84-74-2	di-n-butylphthalate	82.3	
206-44-0	fluoranthene	72.9	
129-00-0	pyrene	84.8	
85-68-7	butylbenzylphthalate	88.9	
91-94-1	3,3'-dichlorobenzidine	69.2	
56-55-3	benzo(a)anthracene	94.6	
218-01-9	chrysene	73.9	
117-81-7	bis(2-ethylhexyl)phthalate	88.2	
117-84-0	di-n-octylphthalate	71.7	
205-99-2	benzo(b)fluoranthene	97.8	
207-08-9	benzo(k)fluoranthene	79.5	
50-32-8	benzo(a)pyrene	86.9	
193-39-5	indeno(1,2,3-cd)pyrene	88.0	
53-70-3	dibenz(a,h)anthracene	78.3	
191-24-2	benzo(g,h,i)perylene	82.9	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01080996MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379498

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H211

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	57.8	
123-91-1	1,4-dioxane	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.

RB01080996MS

› Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379498

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H211

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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.

RB01080996MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379499

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H212

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	81.1	
106-44-5	4-methylphenol	95.9	
67-72-1	hexachloroethane	80.5	
98-95-3	nitrobenzene	93.8	
87-68-3	hexachlorobutadiene	85.6	
88-06-2	2,4,6-trichlorophenol	72.5	
95-95-4	2,4,5-trichlorophenol	79.6	
121-14-2	2,4-dinitrotoluene	102	
118-74-1	hexachlorobenzene	89.0	
87-86-5	pentachlorophenol	116	
62-53-3	aniline	95.5	
108-95-2	phenol	60.8	
111-44-4	bis(2-chloroethyl)ether	86.3	
95-57-8	2-chlorophenol	85.2	
541-73-1	1,3-dichlorobenzene	82.5	
106-46-7	1,4-dichlorobenzene	81.4	
100-51-6	benzyl alcohol	95.4	
95-50-1	1,2-dichlorobenzene	82.5	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	81.4	
78-59-1	isophorone	81.4	
88-75-5	2-nitrophenol	101	
105-67-9	2,4-dimethylphenol	98.6	
111-91-1	bis(2-chloroethoxy)methane	83.9	
120-83-2	2,4-dichlorophenol	29.6	
120-82-1	1,2,4-trichlorobenzene	90.5	
91-20-3	naphthalene	73.1	
106-47-8	4-chloroaniline	46.7	
59-50-7	4-chloro-3-methylphenol	98.6	
91-57-6	2-methylnaphthalene	101	
77-47-4	hexachlorocyclopentadiene	79.1	
91-58-7	2-chloronaphthalene	96.8	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01080996MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379499

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H212

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	107	
131-11-3	dimethylphthalate	92.4	
209-96-8	acenaphthylene	86.7	
606-20-2	2,6-dinitrotoluene	90.5	
99-09-2	3-nitroaniline	134	E
83-32-9	acenaphthene	79.0	
51-28-5	2,4-dinitrophenol	134	E
132-64-9	dibenzofuran	84.4	
100-02-7	4-nitrophenol	70.3	
84-66-2	diethylphthalate	83.5	
7005-72-3	4-chlorophenylphenylether	85.4	
86-73-7	fluorene	81.9	
100-01-6	4-nitroaniline	118	
534-52-1	4,6-dinitro-2-methylphenol	130	E
86-30-6	N-nitroso-diphenylamine	87.8	
101-55-3	4-bromophenylphenylether	88.9	
85-01-8	phenanthrene	91.8	
120-12-7	anthracene	94.7	
84-74-2	di-n-butylphthalate	86.6	
206-44-0	fluoranthene	79.6	
129-00-0	pyrene	97.5	
85-68-7	butylbenzylphthalate	100	
91-94-1	3,3'-dichlorobenzidine	78.8	
56-55-3	benzo(a)anthracene	97.8	
218-01-9	chrysene	96.0	
117-81-7	bis(2-ethylhexyl)phthalate	94.7	
117-84-0	di-n-octylphthalate	87.4	
205-99-2	benzo(b)fluoranthene	119	
207-08-9	benzo(k)fluoranthene	89.1	
50-32-8	benzo(a)pyrene	101	
193-39-5	indeno(1,2,3-cd)pyrene	95.8	
53-70-3	dibenz(a,h)anthracene	85.5	
191-24-2	benzo(g,h,i)perylene	90.9	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01080996MSD

) Name: Contract:

La Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379499

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H212

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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	68.8	
123-91-1	1,4-dioxane	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.

RB01080996MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68319W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC379499

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4H212

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/16/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 08/20/96

Injection Volume: 1 (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

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 68319W
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
RB01-080996	9608319-01
TB01-081296	9608319-11
Blank	QC380787
Laboratory Control Sample (LCS)	QC380790
RB01-080996 Post Spike (PS)	QC380788
RB01-080996 Post Spike Duplicate (PSD)	QC380789

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

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

Spike Analysis

The PS and PSD met quality control criteria for recovery and relative percent difference (RPD). Note, it was required that the PS and PSD be spiked with the target compound list. Since we do not have Statistical Process Control (SPC) limits for all of the target compounds, we have assigned static limits for the nonroutinely spiked compounds. SPC limits are reported for our regular spiking compounds.

Laboratory Control Samples

The LCS met quality control recovery criteria. The limits are generated by SPC.

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: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: QC380787

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W303

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	2.2	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	0.77	J
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.

VBLK01

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: QC380787

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W303

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	0.69	J
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	3.2	J
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: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: QC380790

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W302LCS

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	20.0	
74-83-9	bromomethane	18.6	
75-01-4	vinyl chloride	21.8	
75-00-3	chloroethane	21.3	
75-09-2	methylene chloride	22.7	B
67-64-1	acetone	44.2	
75-15-0	carbon disulfide	36.7	
75-35-4	1,1-dichloroethene	20.1	
75-34-3	1,1-dichloroethane	19.5	
156-60-5	trans-1,2-dichloroethene	21.5	
67-66-3	chloroform	20.0	
107-06-2	1,2-dichloroethane	20.7	
78-93-3	2-butanone	41.5	
71-55-6	1,1,1-trichloroethane	19.7	
56-23-5	carbon tetrachloride	19.9	
75-27-4	bromodichloromethane	21.5	
78-87-5	1,2-dichloropropane	21.1	
10061-01-5	cis-1,3-dichloropropene	21.7	
79-01-6	trichloroethene	22.2	
124-48-1	dibromochloromethane	20.2	
79-00-5	1,1,2-trichloroethane	21.5	
71-43-2	benzene	20.6	
10061-02-6	trans-1,3-dichloropropene	20.2	
75-25-2	bromoform	20.4	
108-10-1	4-methyl-2-pentanone	43.7	B
591-78-6	2-hexanone	22.8	
127-18-4	tetrachloroethene	19.5	
79-34-5	1,1,2,2-tetrachloroethane	22.0	
108-88-3	toluene	19.9	
108-90-7	chlorobenzene	20.2	
100-41-4	ethylbenzene	20.4	
100-42-5	styrene	20.0	
75-71-8	Dichlorodifluoromethane	17.5	

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.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: QC380790

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W302LCS

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	21.5	
107-13-1	Acrylonitrile	250	
108-05-4	Vinyl Acetate	10.0	
107-02-8	Acrolein	2870	E
74-88-4	Iodomethane	43.2	
75-05-8	Acetonitrile	49.9	
107-05-1	Allyl Chloride	57.8	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	45.5	
78-83-1	Isobutyl Alcohol	104	
107-12-0	Propionitrile	119	
74-95-3	Dibromomethane	22.2	
80-62-6	Methyl methacrylate	55.5	B
106-93-4	1,2-Dibromoethane	21.8	
630-20-6	1,1,1,2-Tetrachloroethane	21.2	
96-18-4	1,2,3-Trichloropropane	23.1	
110-57-6	trans-1,4-Dichloro-2-butene	50.6	
108-60-1	bis(2-Chloro-isopropyl)ether	114	B
96-12-8	1,2-dibromo-3-chloropropane	20.4	
1330-20-7	xylenes (total)	60.8	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB01081296

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: 9608319-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W305

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	3.5	JB
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.

TB01081296

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: 9608319-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W305

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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.

RB01080996

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: 9608319-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W306

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	0.91	JB
67-64-1	acetone	6.0	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	0.88	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.

RB01080996

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: 9608319-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W306

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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.

RB01080996MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: QC380788

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W307

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	22.0	
74-83-9	bromomethane	20.7	
75-01-4	vinyl chloride	24.4	
75-00-3	chloroethane	23.6	
75-09-2	methylene chloride	22.3	B
67-64-1	acetone	53.0	
75-15-0	carbon disulfide	39.9	
75-35-4	1,1-dichloroethene	21.2	
75-34-3	1,1-dichloroethane	20.9	
156-60-5	trans-1,2-dichloroethene	22.7	
67-66-3	chloroform	21.1	
107-06-2	1,2-dichloroethane	20.0	
78-93-3	2-butanone	36.0	
71-55-6	1,1,1-trichloroethane	20.3	
56-23-5	carbon tetrachloride	20.7	
75-27-4	bromodichloromethane	22.0	
78-87-5	1,2-dichloropropane	22.3	
10061-01-5	cis-1,3-dichloropropene	22.0	
79-01-6	trichloroethene	23.4	
124-48-1	dibromochloromethane	17.9	
79-00-5	1,1,2-trichloroethane	19.0	
71-43-2	benzene	22.0	
10061-02-6	trans-1,3-dichloropropene	18.1	
75-25-2	bromoform	17.3	
108-10-1	4-methyl-2-pentanone	33.4	B
591-78-6	2-hexanone	15.4	
127-18-4	tetrachloroethene	19.1	
79-34-5	1,1,2,2-tetrachloroethane	18.5	
108-88-3	toluene	20.5	
108-90-7	chlorobenzene	20.0	
100-41-4	ethylbenzene	20.2	
100-42-5	styrene	19.9	
75-71-8	Dichlorodifluoromethane	19.2	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01080996MS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: QC380788

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W307

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	23.1	
107-13-1	Acrylonitrile	212	
108-05-4	Vinyl Acetate	6.3	
107-02-8	Acrolein	2220	E
74-88-4	Iodomethane	45.1	
75-05-8	Acetonitrile	52.8	
107-05-1	Allyl Chloride	60.8	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	37.6	
78-83-1	Isobutyl Alcohol	82.9	
107-12-0	Propionitrile	97.7	
74-95-3	Dibromomethane	21.2	
80-62-6	Methyl methacrylate	47.2	B
106-93-4	1,2-Dibromoethane	19.1	
630-20-6	1,1,1,2-Tetrachloroethane	20.4	
96-18-4	1,2,3-Trichloropropane	17.9	
110-57-6	trans-1,4-Dichloro-2-butene	41.1	
108-60-1	bis(2-Chloro-isopropyl)ether	84.1	B
96-12-8	1,2-dibromo-3-chloropropane	14.9	
1330-20-7	xylenes (total)	61.3	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01080996MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: QC380789

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W308

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	18.1	
74-83-9	bromomethane	23.9	
75-01-4	vinyl chloride	25.3	
75-00-3	chloroethane	28.5	
75-09-2	methylene chloride	23.2	B
67-64-1	acetone	49.0	
75-15-0	carbon disulfide	48.7	
75-35-4	1,1-dichloroethene	22.5	
75-34-3	1,1-dichloroethane	22.1	
156-60-5	trans-1,2-dichloroethene	23.7	
67-66-3	chloroform	22.4	
107-06-2	1,2-dichloroethane	20.8	
78-93-3	2-butanone	34.7	
71-55-6	1,1,1-trichloroethane	21.6	
56-23-5	carbon tetrachloride	22.0	
75-27-4	bromodichloromethane	23.0	
78-87-5	1,2-dichloropropane	23.6	
10061-01-5	cis-1,3-dichloropropene	22.8	
79-01-6	trichloroethene	24.5	
124-48-1	dibromochloromethane	18.0	
79-00-5	1,1,2-trichloroethane	19.0	
71-43-2	benzene	23.2	
10061-02-6	trans-1,3-dichloropropene	18.3	
75-25-2	bromoform	17.2	
108-10-1	4-methyl-2-pentanone	32.9	B
591-78-6	2-hexanone	14.9	
127-18-4	tetrachloroethene	19.6	
79-34-5	1,1,2,2-tetrachloroethane	18.1	
108-88-3	toluene	21.2	
108-90-7	chlorobenzene	20.3	
100-41-4	ethylbenzene	20.7	
100-42-5	styrene	20.1	
75-71-8	Dichlorodifluoromethane	20.1	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB01080996MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68319W

Matrix: (soil/water) WATER Lab Sample ID: QC380789

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1W308

Level: (low/med) LOW Date Received: 08/14/96

% Moisture: not dec. _____ Date Analyzed: 08/21/96

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	25.0	
107-13-1	Acrylonitrile	210	
108-05-4	Vinyl Acetate	6.5	
107-02-8	Acrolein	2230	E
74-88-4	Iodomethane	48.8	
75-05-8	Acetonitrile	56.4	
107-05-1	Allyl Chloride	64.4	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	39.2	
78-83-1	Isobutyl Alcohol	87.6	
107-12-0	Propionitrile	99.5	
74-95-3	Dibromomethane	22.0	
80-62-6	Methyl methacrylate	48.6	B
106-93-4	1,2-Dibromoethane	19.0	
630-20-6	1,1,1,2-Tetrachloroethane	20.6	
96-18-4	1,2,3-Trichloropropane	18.1	
110-57-6	trans-1,4-Dichloro-2-butene	41.4	
108-60-1	bis(2-Chloro-isopropyl)ether	79.5	B
96-12-8	1,2-dibromo-3-chloropropane	15.0	
1330-20-7	xylenes (total)	62.5	

METALS DATA

CASE NARRATIVE
SDG 68319W
Metals Analysis by ICP
Mercury by Cold Vapor

Sample Analysis

The following samples were analyzed for TAL Metals by Method ILM03.0:

Sample Description	Laboratory Identification
RB01-080996	9608319-01
I8MW8-5	9608319-02
I8KMW-14	9608319-03
I8KMW-15	9608319-04
I8KMW-16R	9608319-05
I8MW8-3	9608319-06
I8DPGW-01	9608319-07
I8MW8-1	9608319-08
I8MW8-4	9608319-09
I8KMW-13R	9608319-10
I8MW8-6	9608319-12
I8MW8-2	9608319-13
Blank	QC387107 - Trace/QC387948 - Hg
Laboratory Control Sample (LCS)	QC387108 - Trace/QC387952 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC387109 - Trace/QC387953 - Hg
I8KMW-13R Matrix Spike (MS)	QC387110 - Trace/QC387949 - Hg
I8MW8-2 Matrix Spike (MS)	QC387111 - Trace/QC387950 - Hg
I8MW8-2 Matrix Spike Duplicate (MSD)	QC387112 - Trace/QC387951 - Hg

Instrument Calibration

Aluminum, Cacium, Iron, Manganese, Potassium, and Sodium did not pass the continuing calibration verification criteria for the ICP analysis on 8/29/96. These analytes were not originally requested analytes and were reanalyzed on 9/22/96 and 9/23/96. All other initial and continuing instrument calibration criteria established in the methodology were met.

Holding Times

All samples were analyzed within the technical holding times.

Blank Analysis

Aluminum, Barium, Calcium, Iron, Manganese, Potassium, Sodium, and Zinc were detected in the method blank at levels greater than the instrument detection limit (IDL), but lower than the contract reported detection limit(CRDL). No target analytes were detected in the method blank for the Mercury greater than the IDL.

Spike and Duplication Analysis

One "N" flag resulted from the matrix spike analysis of Aluminum.
All other analytes met the quality criteria for recovery and relative percent difference (RPD).

Laboratory Control Sample Analysis

The LCS and LCSD for the ICP and Mercury analysis met the recommended quality control limits for recovery and RPD.

Dilutions

Sample RB01-080996 was analyzed undiluted for Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, V, and Zn. Samples I8MW8-5, I8KMW-14, I8KMW-15, I8KMW-16R, I8MW8-3, I8DPGW-01, I8MW8-1, I8MW8-4, I8KMW-13R, I8MW8-6, I8MW8-2 were analyzed at a 2x dilution for Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Mn, Ni, Se, Ag, Tl, V, and Zn due to high levels of sodium, calcium, and magnesium. The ICP continuing calibration verification analysis on 8/29/96 did not pass the control criteria for Al, Ca, Fe, Mg, and K. All sample results for Al, Ca, Fe, Mg, and K reflect a 10 x dilution for the reanalysis on 9/22/96. Sodium was over linear range for samples 9608319-02 through 13 and is reported at a 1000 x dilution.

There were no dilutions required the Mercury analysis.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

RB01080996

a. me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-01

evel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	2.0	U		P
7440-38-2	Arsenic__	2.0	U		P
7440-39-3	Barium___	0.92	B		P
7440-41-7	Beryllium	0.69	B		P
7440-43-9	Cadmium__	0.71	B		P
7440-70-2	Calcium__	60.0	U		P
7440-47-3	Chromium_	1.3	B		P
7440-48-4	Cobalt___	1.0	U		P
7440-50-8	Copper___	2.0	U		P
7439-89-6	Iron____	39.9	B		P
7439-92-1	Lead____	2.1	B		P
7439-95-4	Magnesium	60.0	U		P
7439-96-5	Manganese	21.8	B		P
7440-02-0	Nickel___	2.0	U		P
7440-09-7	Potassium	200	U		P
7782-49-2	Selenium_	2.0	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	447	B		P
7440-28-0	Thallium_	2.0	U		P
7440-62-2	Vanadium_	1.0	U		P
7440-66-6	Zinc____	3.2	B		P
7439-97-6	Mercury__	0.10	U		AV
74-90-8__	Cyanide__	3.0	U		AS

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8MW85

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-02

evel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	4.0	U		P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	25.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	283000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	40.2	B		P
7439-92-1	Lead_____	4.3	B		P
7439-95-4	Magnesium	765000			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	241000			P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	6350000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
7439-97-6	Mercury__	0.19	B		AV

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8KMW14

a. ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-03

evel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	4.0	U		P
7440-38-2	Arsenic__	7.2	B		P
7440-39-3	Barium___	48.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	266000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	20.0	U		P
7439-92-1	Lead_____	3.0	U		P
7439-95-4	Magnesium	778000			P
7439-96-5	Manganese	50.6	B		P
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	242000			P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	6330000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
7439-97-6	Mercury__	0.50			AV

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8KMW15

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-04

evel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	4.0	U		P
7440-38-2	Arsenic__	26.9			P
7440-39-3	Barium___	11.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	209000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	20.0	U		P
7439-92-1	Lead_____	5.1	B		P
7439-95-4	Magnesium	626000			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	203000			P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	5180000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8KMW16R

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

Matrix (soil/water): WATER Lab Sample ID: 9608319-05

Level (low/med): LOW__ Date Received: 08/14/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	4.0	U		P
7440-38-2	Arsenic__	26.6			P
7440-39-3	Barium___	36.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	353000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	20.0	U		P
7439-92-1	Lead_____	4.4	B		P
7439-95-4	Magnesium	1180000			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	394000			P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	11200000			P
7440-28-0	Thallium_	4.3	B		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV

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.

I8MW83

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-06

evel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	4.0	U		P
7440-38-2	Arsenic__	4.6	B		P
7440-39-3	Barium___	55.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	446000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	20.0	U		P
7439-92-1	Lead_____	8.3			P
7439-95-4	Magnesium	1240000			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	407000			P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	11500000			P
7440-28-0	Thallium_	5.9	B		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8DPGW01

ab ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-07

evel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	140	U	N	P
7440-36-0	Antimony	6.2	B		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	54.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	444000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	20.0	U		P
7439-92-1	Lead	8.7			P
7439-95-4	Magnesium	1260000			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	422000			P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	12000000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
7439-97-6	Mercury	0.10	U		AV

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8MW81

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

Matrix (soil/water): WATER Lab Sample ID: 9608319-08

Level (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	4.0	U		P
7440-38-2	Arsenic__	6.4	B		P
7440-39-3	Barium___	109	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	192000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.2	B		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	20.0	U		P
7439-92-1	Lead_____	3.0	U		P
7439-95-4	Magnesium	902000			P
7439-96-5	Manganese	18.9	B		P
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	281000			P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	8040000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: OPAQUE Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8MW84

ıa. me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

latrix (soil/water): WATER Lab Sample ID: 9608319-09

ıevel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	140	U	N	P
7440-36-0	Antimony	42.3	B		P
7440-38-2	Arsenic	7.2	B		P
7440-39-3	Barium	179	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	124000			P
7440-47-3	Chromium	2.1	B		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	20.0	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	944000			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	316000			P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	9460000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
7439-97-6	Mercury	0.10	U		AV

ɔlor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

ɔlor After: COLORLESS Clarity After: OPAQUE Artifacts: _____

ɔmments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8KMW13R

a. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-10

evel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	4.0	U		P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	157	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	490000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron____	20.0	U		P
7439-92-1	Lead____	8.2			P
7439-95-4	Magnesium	1250000			P
7439-96-5	Manganese	111	B		P
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	364000			P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	11700000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV

olor Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

olor After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8MW86

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-12

evel (low/med): LOW__ Date Received: 08/14/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	140	U	N	P
7440-36-0	Antimony_	5.0	B		P
7440-38-2	Arsenic__	17.1	B		P
7440-39-3	Barium___	81.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	167000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron____	313	B		P
7439-92-1	Lead____	3.0	U		P
7439-95-4	Magnesium	825000			P
7439-96-5	Manganese	22.0	B		P
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	341000			P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	8520000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
7439-97-6	Mercury__	0.13	B		AV

olor Before: COLORLESS Clarity Before: OPAQUE Texture: _____

olor After: COLORLESS Clarity After: OPAQUE Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8MW82

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68319W

atrix (soil/water): WATER Lab Sample ID: 9608319-13

evel (low/med): LOW__ Date Received: 08/15/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	140	U	N	P
7440-36-0	Antimony	13.9	B		P
7440-38-2	Arsenic	5.0	B		P
7440-39-3	Barium	162	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	367000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	20.0	U		P
7439-92-1	Lead	6.8	B		P
7439-95-4	Magnesium	1110000			P
7439-96-5	Manganese	10.0	U		P
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	352000			P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	11000000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
7439-97-6	Mercury	0.46			AV

olor Before: COLORLESS Clarity Before: OPAQUE Texture: _____

olor After: COLORLESS Clarity After: OPAQUE Artifacts: _____

omments:

FORM I - IN ILM03.0

SDG 68422S/W

GENERAL CASE NARRATIVE

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

October 17, 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 and water samples from Brown & Root Environmental arrived at General Engineering Laboratories, Inc., (GEL) Charleston, South Carolina on August 21, 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
I8SS-10	9608422-01
I8SS-9	9608422-02
I8SS-8	9608422-03
I8SS-7	9608422-04
I8SS-5	9608422-05
I8SS-4	9608422-06
I8SS-6	9608422-07
I8SS-1	9608422-08
I8SS-2	9608422-09
I8SS-3	9608422-10
I8DPSS-01	9608422-11
RB02-081996	9608422-12
I8SB-4	9608422-13

I8SB-5	9608422-14
I8SB-6	9608422-15
I8SB-7	9608422-16
FB01-082096	9608422-17
TB02-082096	9608422-18

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: Case Narrative, Volatiles, Semivolatiles, Herbicides, Pesticides/PCB, Metals, Cyanide, Raw Data, Prep Data, Chain of Custody, and Electronic Data Hardcopy Report.

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".

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

Printed on recycled paper

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:hali00396.101796

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 68422S/W
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
I8SS-10	9608422-01
I8SS-9	9608422-02
I8SS-8	9608422-03
I8SS-7	9608422-04
I8SS-5	9608422-05
I8SS-4	9608422-06
I8SS-6	9608422-07
I8SS-1	9608422-08
I8SS-2	9608422-09
I8SS-3	9608422-10
I8DPSS-01	9608422-11
RB02-081996	9608422-12
I8SB-4	9608422-13
I8SB-5	9608422-14
I8SB-6	9608422-15
I8SB-7	9608422-16
FB01-082096	9608422-17
Blank	QC382002/QC383579
Laboratory Control Sample (LCS)	QC382003/QC383580
Laboratory Control Sample Duplicate (LCSD)	QC382004/QC383581
I8SS-8 Matrix Spike (MS)	QC382005
I8SS-8 Matrix Spike Duplicate (MSD)	QC382006
RB02-081996 (MS)	QC383582
FB01-082096 (Dup)	QC383583

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

All surrogates met acceptance criteria. However, the soil batch was extracted using the surrogate 2,4-DB, rather than 2,4-Dichlorophenylacetic acid. A nonconformance report was generated with the disposition to "use as is".

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

The MS did not meet recovery criteria for 2,4,5-TP and the MSD did not meet relative percent difference (RPD) criteria for 2,4,5-T or recovery criteria for 2,4,5-TP. The LCS and LCSD can be used to demonstrate accuracy and precision.

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

All of the water samples were analyzed at the standard 1:10 dilution.
The surrogate used for the soil extraction was prepared at an incorrect concentration, therefore, all of the soil samples (including QC) required a 1:50 dilution in order to bring the surrogate within the calibration range.

Additional Comments

According to Form 8D, the retention time for 2,4-DB on the "B" column (sample I8SS-6) is not within control limits. The data, however, is being reported from "A" column.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01

ab Name: Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383579

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/06/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/14/96

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

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383580

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/06/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/14/96

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MSD

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383581

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 005R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/06/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/06/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/14/96

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	0.71	P
93-72-1	2,4,5-TP	0.83	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02-081996MS

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383582

Sample wt/vol: 1050 (g/mL) mL Lab File ID: 006R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/06/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/14/96

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	0.60	P
95-76-5	2,4,5-T	0.66	P
93-72-1	2,4,5-TP	0.78	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-082096DUP

ab Name: Contract:

. . Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383583

Sample wt/vol: 1050 (g/mL) mL Lab File ID: 007R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/06/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/14/96

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	0.095	U
95-76-5	2,4,5-T	0.095	U
93-72-1	2,4,5-TP	0.095	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02-081996

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: 9608422-12

Sample wt/vol: 1050 (g/mL) mL Lab File ID: 008R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/06/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/14/96

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	0.095	U
95-76-5	2,4,5-T	0.095	U
93-72-1	2,4,5-TP	0.095	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-082096

ab Name: Contract:

o Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: 9608422-17

Sample wt/vol: 1050 (g/mL) mL Lab File ID: 009R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/06/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/14/96

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	0.095	U
95-76-5	2,4,5-T	0.095	U
93-72-1	2,4,5-TP	0.095	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC382003

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 004R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 08/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	
95-76-5	2,4,5-T	49.2	
93-72-1	2,4,5-TP	27.5	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MSD

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC382004

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 005R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 08/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	37.0	P
95-76-5	2,4,5-T	51.0	
93-72-1	2,4,5-TP	25.2	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-8MS

ab Name: GENERAL ENGINEERING LABOR Contract:

) Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC382005

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 006R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	65.7	
95-76-5	2,4,5-T	72.5	
93-72-1	2,4,5-TP	43.0	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-8MSD

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC382006

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 007R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	77.9	
95-76-5	2,4,5-T	74.7	P
93-72-1	2,4,5-TP	52.9	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-10

ab Name: GENERAL ENGINEERING LABOR Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-01

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 008R0101

% Moisture: 21 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	12.6	U
95-76-5	2,4,5-T	12.6	U
93-72-1	2,4,5-TP	12.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-9

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-02

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 009R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	13.2	U
95-76-5	2,4,5-T	13.2	U
93-72-1	2,4,5-TP	13.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-8

ab Name: GENERAL ENGINEERING LABOR Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-03

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 010R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	13.3	U
95-76-5	2,4,5-T	13.3	U
93-72-1	2,4,5-TP	13.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-7

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-04

Sample wt/vol: 50.9 (g/mL) g Lab File ID: 011R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	17.9	P
95-76-5	2,4,5-T	13.1	U
93-72-1	2,4,5-TP	13.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-05

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 012R0101

% Moisture: 23 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	11.0	JP
95-76-5	2,4,5-T	13.0	U
93-72-1	2,4,5-TP	13.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-4

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-06

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 014R0101

% Moisture: 29 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	58.8	P
95-76-5	2,4,5-T	13.9	U
93-72-1	2,4,5-TP	13.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-6

ab Name: GENERAL ENGINEERING LABOR Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-07

Sample wt/vol: 50.9 (g/mL) g Lab File ID: 015R0101

% Moisture: 23 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	20.2	P
95-76-5	2,4,5-T	12.8	U
93-72-1	2,4,5-TP	12.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-1

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-08

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 016R0101

% Moisture: 43 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	27.6	P
95-76-5	2,4,5-T	17.3	U
93-72-1	2,4,5-TP	17.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-2

ab Name: GENERAL ENGINEERING LABOR Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-09

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 017R0101

% Moisture: 37 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	15.8	U
95-76-5	2,4,5-T	15.8	U
93-72-1	2,4,5-TP	15.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-3

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-10

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 018R0101

% Moisture: 46 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	18.4	U
95-76-5	2,4,5-T	18.4	U
93-72-1	2,4,5-TP	18.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8DPSS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-11

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 019R0101

% Moisture: 43 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	22.1	
95-76-5	2,4,5-T	17.4	U
93-72-1	2,4,5-TP	17.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-13

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 020R0101

% Moisture: 15 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	11.6	U
95-76-5	2,4,5-T	11.6	U
93-72-1	2,4,5-TP	11.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-5

ıab Name: GENERAL ENGINEERING LABOR Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-14

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 021R0101

% Moisture: 22 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	12.8	U
95-76-5	2,4,5-T	12.8	U
93-72-1	2,4,5-TP	12.8	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-15

Sample wt/vol: 50.0 (g/mL) g Lab File ID: 022R0101

% Moisture: 14 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	11.6	U
95-76-5	2,4,5-T	11.6	U
93-72-1	2,4,5-TP	11.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-7

ab Name: GENERAL ENGINEERING LABOR Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-16

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 023R0101

% Moisture: 15 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/07/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	11.7	U
95-76-5	2,4,5-T	11.7	U
93-72-1	2,4,5-TP	11.7	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

atrix: (soil/water) SOIL Lab Sample ID: QC382002

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 003R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 08/27/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/27/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/06/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	9.9	U
95-76-5	2,4,5-T	9.9	U
93-72-1	2,4,5-TP	9.9	U

CASE NARRATIVE
SDG 68422S/W
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
I8SS-10	9608422-01
I8SS-9	9608422-02
I8SS-8	9608422-03
I8SS-7	9608422-04
I8SS-5	9608422-05
I8SS-4	9608422-06
I8SS-6	9608422-07
I8SS-1	9608422-08
I8SS-2	9608422-09
I8SS-3	9608422-10
I8DPSS-01	9608422-11
RB02-081996	9608422-12
I8SB-4	9608422-13
I8SB-5	9608422-14
I8SB-6	9608422-15
I8SB-7	9608422-16
FB01-082096	9608422-17
Blank	QC381852/QC382036
Laboratory Control Sample (LCS)	QC381853/QC381855/QC382037 QC385408
Laboratory Control Sample Duplicate (LCSD)	QC381854/QC381856/QC382038 QC385409
I8SS-8 Matrix Spike (MS)	QC381857/381859
I8SS-8 Matrix Spike Duplicate (MSD)	QC381858/381860

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

All samples met surrogate recovery acceptance 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 Heptachlor or 4,4'-DDT. The LCS can be used to demonstrte accuracy. The MSD samples met quality control criteria for recoveries and relative percent difference (RPD). The limits are generated by Statistical Process Control (SPC).

Laboratory Control Samples

The LCS and LCSD samples analyzed met quality control criteria for recoveries and RPD. The limits are generated by SPC. Note, the PCB LCS was diluted 10x in order to bring the PCB concentration within calibration range.

Dilutions

Due to matrix interference and in order to quantitate target analytes within the calibration range of the analytical equipment, the following samples were analyzed at the corresponding dilutions:

I8SS-7	10x
I8SS-5	10x
I8SS-4	5x
I8SS-6	100x
I8SS-1	20x
I8SS-2	20x
I8SS-3	20x
I8DPSS-01	5x
I8SB-6	10x
I8SB-7	5x

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

ab Name: Contract:

ab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC382036

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10015

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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	0.125	U
11104-28-2	Aroclor-1221	0.125	U
1114-16-5	Aroclor-1232	0.125	U
53469-21-9	Aroclor-1242	0.125	U
12672-29-6	Aroclor-1248	0.125	U
11097-69-1	Aroclor-1254	0.125	U
11096-82-5	Aroclor-1260	0.125	U
57-74-9	Chlordane	0.250	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.

PBLK01

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC382036

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10015

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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

OLM03.(

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

ab Name: Contract:

ıb Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC382037

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10016

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/26/96

Concentrated Extract Volume: 500 (uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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	0.12	
76-44-8	Heptachlor	0.11	
309-00-2	Aldrin	0.088	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.23	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.24	
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	0.23	
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	0.125	U
11104-28-2	Aroclor-1221	0.125	U
1114-16-5	Aroclor-1232	0.125	U
53469-21-9	Aroclor-1242	0.125	U
12672-29-6	Aroclor-1248	0.125	U
11097-69-1	Aroclor-1254	0.125	U
11096-82-5	Aroclor-1260	0.125	U
57-74-9	Chlordane	0.250	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.

PBLK01MS

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC382037

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10016

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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

OLM03.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

ab Name: Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC382038

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG20017

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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	0.12	
76-44-8	Heptachlor	0.10	
309-00-2	Aldrin	0.091	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.25	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.25	
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	0.26	
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	0.125	U
11104-28-2	Aroclor-1221	0.125	U
1114-16-5	Aroclor-1232	0.125	U
53469-21-9	Aroclor-1242	0.125	U
12672-29-6	Aroclor-1248	0.125	U
11097-69-1	Aroclor-1254	0.125	U
11096-82-5	Aroclor-1260	0.125	U
57-74-9	Chlordane	0.250	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.

PBLK01MSD

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC382038

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG20017

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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

OLM03.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

ab Name: Contract:

ab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC385408

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10018

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/11/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/11/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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
11096-82-5	Aroclor-1260	371	

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381852

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10015

% Moisture: 0 decanted: (Y/N) N Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/28/96

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	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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

ab Name: Contract:

ab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381852

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10015

% Moisture: 0 decanted: (Y/N) N Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/28/96

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

FORM I PEST

OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381853

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10016

% Moisture: 0 decanted: (Y/N) N Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/28/96

Injection Volume: 2.0(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	2.2	
319-85-7	beta-BHC	2.6	
319-86-8	delta-BHC	2.1	P
58-89-9	gamma-BHC	2.2	
76-44-8	Heptachlor	3.4	P
309-00-2	Aldrin	2.4	
1024-57-3	Heptachlor epoxide	2.2	
959-98-8	Endosulfan I	1.9	
60-57-1	Dieldrin	2.3	
72-55-9	4,4'-DDE	3.0	
72-20-8	Endrin	2.5	
33213-65-9	Endosulfan II	2.3	P
72-54-8	4,4'-DDD	2.6	
1031-07-8	Endosulfan sulfate	1.6	
50-29-3	4,4'-DDT	2.3	P
72-43-5	Methoxychlor	12.8	
7421-93-4	Endrin aldehyde	2.1	P
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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381853

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10016

% Moisture: 0 decanted: (Y/N) N Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/28/96

Injection Volume: 2.0(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

FORM I PEST

OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381854

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10017

% Moisture: 0 decanted: (Y/N) N Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/28/96

Injection Volume: 2.0(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	2.5	
319-85-7	beta-BHC	2.8	
319-86-8	delta-BHC	2.4	
58-89-9	gamma-BHC	2.4	
76-44-8	Heptachlor	3.6	
309-00-2	Aldrin	2.4	
1024-57-3	Heptachlor epoxide	2.3	
959-98-8	Endosulfan I	2.0	
60-57-1	Dieldrin	3.0	
72-55-9	4,4'-DDE	2.5	
72-20-8	Endrin	2.6	
33213-65-9	Endosulfan II	2.4	P
72-54-8	4,4'-DDD	2.6	
1031-07-8	Endosulfan sulfate	1.6	
50-29-3	4,4'-DDT	2.3	P
72-43-5	Methoxychlor	13.2	
7421-93-4	Endrin aldehyde	2.2	P
8001-35-2	Toxaphene	33.1	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

FORM I PEST

OLM03.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381854

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10017

% Moisture: 0 decanted: (Y/N) N Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 08/28/96

Injection Volume: 2.0 (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

FORM I PEST

OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-8MS

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381857

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG10020

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/29/96

Injection Volume: 2.0(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	3.3	
319-85-7	beta-BHC	4.7	P
319-86-8	delta-BHC	3.4	P
58-89-9	gamma-BHC	3.3	
76-44-8	Heptachlor	4.9	P
309-00-2	Aldrin	3.8	
1024-57-3	Heptachlor epoxide	3.1	
959-98-8	Endosulfan I	2.7	
60-57-1	Dieldrin	4.6	
72-55-9	4,4'-DDE	4.1	
72-20-8	Endrin	3.4	P
33213-65-9	Endosulfan II	4.1	P
72-54-8	4,4'-DDD	3.8	
1031-07-8	Endosulfan sulfate	2.9	
50-29-3	4,4'-DDT	10.1	P
72-43-5	Methoxychlor	22.9	
7421-93-4	Endrin aldehyde	3.4	P
8001-35-2	Toxaphene	43.9	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.

I8SS-8MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381857

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG10020

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/29/96

Injection Volume: 2.0(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	2.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-8MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381858

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10021

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/29/96

Injection Volume: 2.0(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	3.3	
319-85-7	beta-BHC	4.2	
319-86-8	delta-BHC	3.1	P
58-89-9	gamma-BHC	3.2	
76-44-8	Heptachlor	4.6	
309-00-2	Aldrin	3.6	
1024-57-3	Heptachlor epoxide	3.1	
959-98-8	Endosulfan I	2.8	
60-57-1	Dieldrin	3.5	
72-55-9	4,4'-DDE	4.8	
72-20-8	Endrin	3.4	
33213-65-9	Endosulfan II	3.5	
72-54-8	4,4'-DDD	3.6	
1031-07-8	Endosulfan sulfate	2.1	
50-29-3	4,4'-DDT	4.7	
72-43-5	Methoxychlor	16.6	
7421-93-4	Endrin aldehyde	3.0	P
8001-35-2	Toxaphene	43.9	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.

I8SS-8MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381858

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10021

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/29/96

Injection Volume: 2.0(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	2.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381855

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG10015

% Moisture: 0 decanted: (Y/N) N Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/30/96

Injection Volume: 2.0(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	132	

FORM I PEST OLM03.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381856

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10016

% Moisture: 0 decanted: (Y/N) N Date Received: 08/26/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/30/96

Injection Volume: 2.0(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	156	

FORM I PEST

OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-8MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381859

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10017

% Moisture: 25 decanted: (Y/N) N Date Received: 08/~~26~~ 21/96 L 10/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/30/96

Injection Volume: 2.0(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	185	P

FORM I PEST

OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-8MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: QC381860

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10018

% Moisture: 25 decanted: (Y/N) N Date Received: 08/~~26~~ 21/96 10/18/9

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/30/96

Injection Volume: 2.0(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	213	P

FORM I PEST

OLM03.0

802

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-10

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10019

% Moisture: 21 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/30/96

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	0.84	U
319-85-7	beta-BHC	0.84	U
319-86-8	delta-BHC	0.84	U
58-89-9	gamma-BHC	0.84	U
76-44-8	Heptachlor	0.84	U
309-00-2	Aldrin	0.84	U
1024-57-3	Heptachlor epoxide	0.84	U
959-98-8	Endosulfan I	0.84	U
60-57-1	Dieldrin	1.7	U
72-55-9	4,4'-DDE	1.7	U
72-20-8	Endrin	1.7	U
33213-65-9	Endosulfan II	1.7	U
72-54-8	4,4'-DDD	1.7	U
1031-07-8	Endosulfan sulfate	1.7	U
50-29-3	4,4'-DDT	1.7	U
72-43-5	Methoxychlor	8.4	U
7421-93-4	Endrin aldehyde	1.7	U
8001-35-2	Toxaphene	42.1	U
12674-11-2	Aroclor-1016	5.3	U
11104-28-2	Aroclor-1221	5.3	U
1114-16-5	Aroclor-1232	5.3	U
53469-21-9	Aroclor-1242	5.3	U
12672-29-6	Aroclor-1248	5.3	U
11097-69-1	Aroclor-1254	5.3	U
11096-82-5	Aroclor-1260	5.3	U
57-74-9	Chlordane	10.5	U
298-02-2	Phorate	2.1	U
298-00-0	Parathion, methyl	2.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-10

ab Name: GENERAL ENGINEERING LABOR Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-01

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10019

% Moisture: 21 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/30/96

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	2.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-9

ıb Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-02

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10020

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	0.88	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	0.88	U
60-57-1	Dieldrin	1.8	U
72-55-9	4,4'-DDE	1.8	U
72-20-8	Endrin	1.8	U
33213-65-9	Endosulfan II	1.8	U
72-54-8	4,4'-DDD	1.8	U
1031-07-8	Endosulfan sulfate	1.8	U
50-29-3	4,4'-DDT	1.8	U
72-43-5	Methoxychlor	8.8	U
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.

I8SS-9

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-02

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10020

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 1.0(µL) 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	2.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-8

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10021

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	0.88	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	1.30	
60-57-1	Dieldrin	1.8	U
72-55-9	4,4'-DDE	5.2	
72-20-8	Endrin	1.8	U
33213-65-9	Endosulfan II	1.8	U
72-54-8	4,4'-DDD	1.8	U
1031-07-8	Endosulfan sulfate	1.8	U
50-29-3	4,4'-DDT	9.7	
72-43-5	Methoxychlor	8.8	U
7421-93-4	Endrin aldehyde	1.8	U
8001-35-2	Toxaphene	43.9	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	26.1	
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.

I8SS-8

ab Name: GENERAL ENGINEERING LABOR Contract:

. . Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-03

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10021

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	2.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-7

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10022

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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
319-84-6	alpha-BHC	8.8	U
319-85-7	beta-BHC	8.8	U
319-86-8	delta-BHC	8.8	U
58-89-9	gamma-BHC	8.8	U
76-44-8	Heptachlor	8.8	U
309-00-2	Aldrin	8.8	U
1024-57-3	Heptachlor epoxide	8.8	U
959-98-8	Endosulfan I	8.8	U
60-57-1	Dieldrin	17.7	U
72-55-9	4,4'-DDE	17.7	U
72-20-8	Endrin	17.7	U
33213-65-9	Endosulfan II	17.7	U
72-54-8	4,4'-DDD	12.7	J
1031-07-8	Endosulfan sulfate	17.7	U
50-29-3	4,4'-DDT	17.7	U
72-43-5	Methoxychlor	88.4	U
7421-93-4	Endrin aldehyde	17.7	U
8001-35-2	Toxaphene	442	U
12674-11-2	Aroclor-1016	55.3	U
11104-28-2	Aroclor-1221	55.3	U
1114-16-5	Aroclor-1232	55.3	U
53469-21-9	Aroclor-1242	55.3	U
12672-29-6	Aroclor-1248	55.3	U
11097-69-1	Aroclor-1254	55.3	U
11096-82-5	Aroclor-1260	55.3	U
57-74-9	Chlordane	110	U
298-02-2	Phorate	22.1	U
298-00-0	Parathion, methyl	22.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-7

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10022

% Moisture: 25 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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
56-38-2	Parathion	22.1	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-5

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-05

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10023

% Moisture: 23 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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
319-84-6	alpha-BHC	8.6	U
319-85-7	beta-BHC	8.6	U
319-86-8	delta-BHC	8.6	U
58-89-9	gamma-BHC	8.6	U
76-44-8	Heptachlor	8.6	U
309-00-2	Aldrin	8.6	U
1024-57-3	Heptachlor epoxide	8.6	U
959-98-8	Endosulfan I	8.6	U
60-57-1	Dieldrin	17.2	U
72-55-9	4,4'-DDE	17.2	U
72-20-8	Endrin	17.2	U
33213-65-9	Endosulfan II	17.2	U
72-54-8	4,4'-DDD	17.2	U
1031-07-8	Endosulfan sulfate	17.2	U
50-29-3	4,4'-DDT	17.2	U
72-43-5	Methoxychlor	86.3	U
7421-93-4	Endrin aldehyde	17.2	U
8001-35-2	Toxaphene	431	U
12674-11-2	Aroclor-1016	53.9	U
11104-28-2	Aroclor-1221	53.9	U
1114-16-5	Aroclor-1232	53.9	U
53469-21-9	Aroclor-1242	53.9	U
12672-29-6	Aroclor-1248	53.9	U
11097-69-1	Aroclor-1254	53.9	U
11096-82-5	Aroclor-1260	53.9	U
57-74-9	Chlordane	108	U
298-02-2	Phorate	21.6	U
298-00-0	Parathion, methyl	21.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-5

ab Name: GENERAL ENGINEERING LABOR Contract:

..o Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-05

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10023

% Moisture: 23 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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
56-38-2	Parathion	21.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-4

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-06

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG20038

% Moisture: 29 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	4.6	U
319-85-7	beta-BHC	4.6	U
319-86-8	delta-BHC	4.6	U
58-89-9	gamma-BHC	4.6	U
76-44-8	Heptachlor	4.6	U
309-00-2	Aldrin	4.6	U
1024-57-3	Heptachlor epoxide	4.6	U
959-98-8	Endosulfan I	4.6	U
60-57-1	Dieldrin	9.3	U
72-55-9	4,4'-DDE	9.3	U
72-20-8	Endrin	9.3	U
33213-65-9	Endosulfan II	9.3	U
72-54-8	4,4'-DDD	9.3	U
1031-07-8	Endosulfan sulfate	9.3	U
50-29-3	4,4'-DDT	9.3	U
72-43-5	Methoxychlor	46.5	U
7421-93-4	Endrin aldehyde	9.3	U
8001-35-2	Toxaphene	232	U
12674-11-2	Aroclor-1016	29.1	U
11104-28-2	Aroclor-1221	29.1	U
1114-16-5	Aroclor-1232	29.1	U
53469-21-9	Aroclor-1242	29.1	U
12672-29-6	Aroclor-1248	29.1	U
11097-69-1	Aroclor-1254	29.1	U
11096-82-5	Aroclor-1260	29.1	U
57-74-9	Chlordane	58.1	U
298-02-2	Phorate	11.6	U
298-00-0	Parathion, methyl	11.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-06

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG20038

% Moisture: 29 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 08/31/96

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	11.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-6

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-07

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10026

% Moisture: 23 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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
319-84-6	alpha-BHC	86.2	U
319-85-7	beta-BHC	86.2	U
319-86-8	delta-BHC	86.2	U
58-89-9	gamma-BHC	86.2	U
76-44-8	Heptachlor	86.2	U
309-00-2	Aldrin	86.2	U
1024-57-3	Heptachlor epoxide	86.2	U
959-98-8	Endosulfan I	86.2	U
60-57-1	Dieldrin	172	U
72-55-9	4,4'-DDE	172	U
72-20-8	Endrin	172	U
33213-65-9	Endosulfan II	172	U
72-54-8	4,4'-DDD	172	U
1031-07-8	Endosulfan sulfate	172	U
50-29-3	4,4'-DDT	172	U
72-43-5	Methoxychlor	862	U
7421-93-4	Endrin aldehyde	172	U
8001-35-2	Toxaphene	4310	U
12674-11-2	Aroclor-1016	539	U
11104-28-2	Aroclor-1221	539	U
1114-16-5	Aroclor-1232	539	U
53469-21-9	Aroclor-1242	539	U
12672-29-6	Aroclor-1248	539	U
11097-69-1	Aroclor-1254	539	U
11096-82-5	Aroclor-1260	539	U
57-74-9	Chlordane	1080	U
298-02-2	Phorate	216	U
298-00-0	Parathion, methyl	216	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-6

ab Name: GENERAL ENGINEERING LABOR Contract:

L J Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-07

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG10026

% Moisture: 23 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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
56-38-2	Parathion	216	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-1

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-08

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10027

% Moisture: 43 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

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	23.1	U
319-85-7	beta-BHC	23.1	U
319-86-8	delta-BHC	23.1	U
58-89-9	gamma-BHC	23.1	U
76-44-8	Heptachlor	23.1	U
309-00-2	Aldrin	23.1	U
1024-57-3	Heptachlor epoxide	23.1	U
959-98-8	Endosulfan I	23.1	U
60-57-1	Dieldrin	46.2	U
72-55-9	4,4'-DDE	46.2	U
72-20-8	Endrin	46.2	U
33213-65-9	Endosulfan II	46.2	U
72-54-8	4,4'-DDD	46.2	U
1031-07-8	Endosulfan sulfate	46.2	U
50-29-3	4,4'-DDT	46.2	U
72-43-5	Methoxychlor	231	U
7421-93-4	Endrin aldehyde	46.2	U
8001-35-2	Toxaphene	1160	U
12674-11-2	Aroclor-1016	144	U
11104-28-2	Aroclor-1221	144	U
1114-16-5	Aroclor-1232	144	U
53469-21-9	Aroclor-1242	144	U
12672-29-6	Aroclor-1248	144	U
11097-69-1	Aroclor-1254	144	U
11096-82-5	Aroclor-1260	144	U
57-74-9	Chlordane	289	U
298-02-2	Phorate	57.8	U
298-00-0	Parathion, methyl	57.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-1

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-08

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10027

% Moisture: 43 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

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	57.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-2

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10028

% Moisture: 37 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

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	21.0	U
319-85-7	beta-BHC	21.0	U
319-86-8	delta-BHC	21.0	U
58-89-9	gamma-BHC	21.0	U
76-44-8	Heptachlor	21.0	U
309-00-2	Aldrin	21.0	U
1024-57-3	Heptachlor epoxide	21.0	U
959-98-8	Endosulfan I	21.0	U
60-57-1	Dieldrin	42.0	U
72-55-9	4,4'-DDE	42.0	U
72-20-8	Endrin	42.0	U
33213-65-9	Endosulfan II	42.0	U
72-54-8	4,4'-DDD	42.0	U
1031-07-8	Endosulfan sulfate	42.0	U
50-29-3	4,4'-DDT	42.0	U
72-43-5	Methoxychlor	210	U
7421-93-4	Endrin aldehyde	42.0	U
8001-35-2	Toxaphene	1050	U
12674-11-2	Aroclor-1016	131	U
11104-28-2	Aroclor-1221	131	U
1114-16-5	Aroclor-1232	131	U
53469-21-9	Aroclor-1242	131	U
12672-29-6	Aroclor-1248	131	U
11097-69-1	Aroclor-1254	131	U
11096-82-5	Aroclor-1260	131	U
57-74-9	Chlordane	263	U
298-02-2	Phorate	52.5	U
298-00-0	Parathion, methyl	52.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-2

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-09

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10028

% Moisture: 37 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

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	52.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-3

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-10

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10029

% Moisture: 46 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

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	24.4	U
319-85-7	beta-BHC	24.4	U
319-86-8	delta-BHC	24.4	U
58-89-9	gamma-BHC	24.4	U
76-44-8	Heptachlor	24.4	U
309-00-2	Aldrin	24.4	U
1024-57-3	Heptachlor epoxide	24.4	U
959-98-8	Endosulfan I	24.4	U
60-57-1	Dieldrin	48.7	U
72-55-9	4,4'-DDE	48.7	U
72-20-8	Endrin	48.7	U
33213-65-9	Endosulfan II	48.7	U
72-54-8	4,4'-DDD	48.7	U
1031-07-8	Endosulfan sulfate	48.7	U
50-29-3	4,4'-DDT	48.7	U
72-43-5	Methoxychlor	244	U
7421-93-4	Endrin aldehyde	48.7	U
8001-35-2	Toxaphene	1220	U
12674-11-2	Aroclor-1016	152	U
11104-28-2	Aroclor-1221	152	U
1114-16-5	Aroclor-1232	152	U
53469-21-9	Aroclor-1242	152	U
12672-29-6	Aroclor-1248	152	U
11097-69-1	Aroclor-1254	152	U
11096-82-5	Aroclor-1260	152	U
57-74-9	Chlordane	304	U
298-02-2	Phorate	60.9	U
298-00-0	Parathion, methyl	60.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SS-3

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-10

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10029

% Moisture: 46 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 1.0(uL) Dilution Factor: 20.0

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	60.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-4

ab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-13

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10031

% Moisture: 15 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 2.0(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	0.77	U
319-85-7	beta-BHC	0.77	U
319-86-8	delta-BHC	0.77	U
58-89-9	gamma-BHC	0.77	U
76-44-8	Heptachlor	0.77	U
309-00-2	Aldrin	0.77	U
1024-57-3	Heptachlor epoxide	0.77	U
959-98-8	Endosulfan I	0.77	U
60-57-1	Dieldrin	1.5	U
72-55-9	4,4'-DDE	0.98	J
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	2.5	JP
72-43-5	Methoxychlor	7.7	U
7421-93-4	Endrin aldehyde	1.5	U
8001-35-2	Toxaphene	38.7	U
12674-11-2	Aroclor-1016	4.8	U
11104-28-2	Aroclor-1221	4.8	U
1114-16-5	Aroclor-1232	4.8	U
53469-21-9	Aroclor-1242	4.8	U
12672-29-6	Aroclor-1248	4.8	U
11097-69-1	Aroclor-1254	4.8	U
11096-82-5	Aroclor-1260	15.6	P
57-74-9	Chlordane	9.7	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.

I8SB-4

ab Name: Contract:

Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-13

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10031

% Moisture: 15 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

Injection Volume: 2.0(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

FORM I PEST OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-5

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-14

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG10032

% Moisture: 22 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	0.84	U
319-85-7	beta-BHC	0.84	U
319-86-8	delta-BHC	0.84	U
58-89-9	gamma-BHC	0.84	U
76-44-8	Heptachlor	0.84	U
309-00-2	Aldrin	0.84	U
1024-57-3	Heptachlor epoxide	0.84	U
959-98-8	Endosulfan I	0.84	U
60-57-1	Dieldrin	1.7	U
72-55-9	4,4'-DDE	2.8	
72-20-8	Endrin	1.7	U
33213-65-9	Endosulfan II	1.7	U
72-54-8	4,4'-DDD	1.7	U
1031-07-8	Endosulfan sulfate	1.7	U
50-29-3	4,4'-DDT	2.8	
72-43-5	Methoxychlor	8.4	U
7421-93-4	Endrin aldehyde	1.7	U
8001-35-2	Toxaphene	42.3	U
12674-11-2	Aroclor-1016	5.3	U
11104-28-2	Aroclor-1221	5.3	U
1114-16-5	Aroclor-1232	5.3	U
53469-21-9	Aroclor-1242	5.3	U
12672-29-6	Aroclor-1248	5.3	U
11097-69-1	Aroclor-1254	5.3	U
11096-82-5	Aroclor-1260	5.3	U
57-74-9	Chlordane	10.6	U
298-02-2	Phorate	2.1	U
298-00-0	Parathion, methyl	2.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-5

ab Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-14

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG10032

% Moisture: 22 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	2.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-6

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-15

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10033

% Moisture: 14 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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
319-84-6	alpha-BHC	7.7	U
319-85-7	beta-BHC	7.7	U
319-86-8	delta-BHC	7.7	U
58-89-9	gamma-BHC	7.7	U
76-44-8	Heptachlor	7.7	U
309-00-2	Aldrin	7.7	U
1024-57-3	Heptachlor epoxide	7.7	U
959-98-8	Endosulfan I	7.7	U
60-57-1	Dieldrin	15.4	U
72-55-9	4,4'-DDE	51.8	
72-20-8	Endrin	15.4	U
33213-65-9	Endosulfan II	15.4	U
72-54-8	4,4'-DDD	61.5	
1031-07-8	Endosulfan sulfate	15.4	U
50-29-3	4,4'-DDT	120	
72-43-5	Methoxychlor	76.9	U
7421-93-4	Endrin aldehyde	15.4	U
8001-35-2	Toxaphene	385	U
12674-11-2	Aroclor-1016	48.1	U
11104-28-2	Aroclor-1221	48.1	U
1114-16-5	Aroclor-1232	48.1	U
53469-21-9	Aroclor-1242	48.1	U
12672-29-6	Aroclor-1248	48.1	U
11097-69-1	Aroclor-1254	48.1	U
11096-82-5	Aroclor-1260	48.1	U
57-74-9	Chlordane	96.3	U
298-02-2	Phorate	19.2	U
298-00-0	Parathion, methyl	19.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-6

ab Name: GENERAL ENGINEERING LABOR Contract:

L J Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-15

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10033

% Moisture: 14 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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
56-38-2	Parathion	19.2	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-7

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10035

% Moisture: 15 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	3.9	U
319-85-7	beta-BHC	3.9	U
319-86-8	delta-BHC	3.9	U
58-89-9	gamma-BHC	3.9	U
76-44-8	Heptachlor	3.9	U
309-00-2	Aldrin	3.9	U
1024-57-3	Heptachlor epoxide	3.9	U
959-98-8	Endosulfan I	3.9	U
60-57-1	Dieldrin	7.7	U
72-55-9	4,4'-DDE	7.7	U
72-20-8	Endrin	7.7	U
33213-65-9	Endosulfan II	7.7	U
72-54-8	4,4'-DDD	5.7	J
1031-07-8	Endosulfan sulfate	7.7	U
50-29-3	4,4'-DDT	14.2	
72-43-5	Methoxychlor	38.7	U
7421-93-4	Endrin aldehyde	7.7	U
8001-35-2	Toxaphene	193	U
12674-11-2	Aroclor-1016	24.2	U
11104-28-2	Aroclor-1221	24.2	U
1114-16-5	Aroclor-1232	24.2	U
53469-21-9	Aroclor-1242	24.2	U
12672-29-6	Aroclor-1248	24.2	U
11097-69-1	Aroclor-1254	24.2	U
11096-82-5	Aroclor-1260	85.0	
57-74-9	Chlordane	48.4	U
298-02-2	Phorate	9.7	U
298-00-0	Parathion, methyl	9.7	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8SB-7

ab Name: GENERAL ENGINEERING LABOR Contract:

.) Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-16

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG10035

% Moisture: 15 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	9.7	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I8DPSS-01

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-11

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10030

% Moisture: 43 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	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	U
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	2.3	U
72-55-9	4,4'-DDE	2.3	U
72-20-8	Endrin	2.3	U
33213-65-9	Endosulfan II	2.3	U
72-54-8	4,4'-DDD	2.3	U
1031-07-8	Endosulfan sulfate	2.3	U
50-29-3	4,4'-DDT	2.3	U
72-43-5	Methoxychlor	11.6	U
7421-93-4	Endrin aldehyde	2.3	U
8001-35-2	Toxaphene	58.1	U
12674-11-2	Aroclor-1016	7.3	U
11104-28-2	Aroclor-1221	7.3	U
1114-16-5	Aroclor-1232	7.3	U
53469-21-9	Aroclor-1242	7.3	U
12672-29-6	Aroclor-1248	7.3	U
11097-69-1	Aroclor-1254	7.3	U
11096-82-5	Aroclor-1260	7.3	U
57-74-9	Chlordane	14.5	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.

I8DPSS-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422S

Matrix: (soil/water) SOIL Lab Sample ID: 9608422-11

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG10030

% Moisture: 43 decanted: (Y/N) N Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/26/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 08/31/96

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	2.9	U

FORM I PEST

3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-082096

ab Name: Contract:

ab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10021

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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	0.125	U
11104-28-2	Aroclor-1221	0.125	U
1114-16-5	Aroclor-1232	0.125	U
53469-21-9	Aroclor-1242	0.125	U
12672-29-6	Aroclor-1248	0.125	U
11097-69-1	Aroclor-1254	0.125	U
11096-82-5	Aroclor-1260	0.125	U
57-74-9	Chlordane	0.250	U
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

FORM I PEST OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-082096

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10021

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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

OLM03.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02-081996

ab Name: Contract:

ab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10020

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2.0(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	0.125	U
11104-28-2	Aroclor-1221	0.125	U
1114-16-5	Aroclor-1232	0.125	U
53469-21-9	Aroclor-1242	0.125	U
12672-29-6	Aroclor-1248	0.125	U
11097-69-1	Aroclor-1254	0.125	U
11096-82-5	Aroclor-1260	0.125	U
57-74-9	Chlordane	0.250	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.

RB02-081996

ab Name: Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: SIG10020

% Moisture: _____ decanted: (Y/N)___ Date Received: 08/21/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 08/26/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 09/12/96

Injection Volume: 2 .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

OLM03.0

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 68422W
Semivolatile Organic Analysis by GC/MS

Sample Analysis

The following samples were analyzed for Appendix 9 Semivolatile Organic Compounds by SW-846 Method 8270:

Sample Description	Laboratory Identification
RB02-081996	9608422-12
FB01-082096	9608422-17
Blank	QC381355
Laboratory Control Sample (LCS)	QC381356
Laboratory Control Sample Duplicate (LCSD)	QC381357

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. Note, there are several compounds on the initial calibration form that have no response factors. Those compounds are single-pointed client specific compounds, rather than multipointed target compounds.

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

The samples met surrogate recovery criteria.

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

A Brown & Root sample was not spiked since spikes are not required on field or rinse blanks. The LCS and LCSD can be used to demonstrate accuracy and precision.

Laboratory Control Samples

The LCS and LCSD samples met quality control criteria for recoveries and relative percent difference (RPD). The limits are generated by Statistical Process Control (SPC).

Dilutions

The samples were analyzed undiluted.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

ab Name: GENERAL ENGINEERING LABS. Contract:

..o Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381355

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I107

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381355

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I107

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381355

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I107

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

ab Name: GENERAL ENGINEERING LABS. Contract:

..b Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381355

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I107

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
3689-24-5	sulfotepp	10.0	U
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.

SBLK01MS

ab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381356

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I108

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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	39.1	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	117	
62-53-3	aniline	10.0	U
108-95-2	phenol	45.8	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	73.8	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	35.5	
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
108-60-1	bis(2-chloroisopropyl)ether	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	40.0	
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	38.2	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	88.6	
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

ab Name: GENERAL ENGINEERING LABS. Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381356

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I108

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
91-58-7	2-chloronaphthalene	10.0	U
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	43.2	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	43.8	
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	55.8	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381356

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I108

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381356

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I108

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
3689-24-5	sulfotepp	10.0	U
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.

SBLK01MSD

ab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381357

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I109

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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	39.0	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	119	
62-53-3	aniline	10.0	U
108-95-2	phenol	45.5	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	74.2	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	36.8	
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
108-60-1	bis(2-chloroisopropyl)ether	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	38.6	
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	41.0	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	88.1	
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

ab Name: GENERAL ENGINEERING LABS. Contract:

Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381357

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I109

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
91-58-7	2-chloronaphthalene	10.0	U
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	43.2	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	44.0	
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	52.9	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

ab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381357

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I109

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

ab Name: GENERAL ENGINEERING LABS. Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC381357

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I109

Level: (low/med) LOW Date Received: 08/23/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
3689-24-5	sulfotepp	10.0	U
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.

RB02-081996

ab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I120

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02-081996

ab Name: GENERAL ENGINEERING LABS. Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I120

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02-081996

ab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I120

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02-081996

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I120

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
3689-24-5	sulfotepp	10.0	U
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.

FB01-082096

ab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I121

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-082096

ab Name: GENERAL ENGINEERING LABS. Contract:

ɔ Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I121

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-082096

ab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I121

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-082096

ab Name: GENERAL ENGINEERING LABS. Contract:

. ɔ Code: Case No.: SAS No.: SDG No.: 68422W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9608422-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2I121

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:08/23/96

Concentrated Extract Volume: 0.5(uL) Date Analyzed: 08/26/96

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
3689-24-5	sulfotepp	10.0	U
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

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 68422W
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
RB02-081996	9608422-12
FB01-082096	9608422-17
TB02-082096	9608422-18
Blank	QC383642
Blank	QC390669
Laboratory Control Sample (LCS)	QC383645
LCS	QC390670
TB02-082096 Post Spike (PS)	QC383643
TB02-082096 Post Spike Duplicate (PSD)	QC383644

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

Toluene was detected in the method blank at a level below the Practical Quantitation Limit (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 recovery and relative percent difference (RPD). The limits are generated by Statistical Proces Control (SPC).

Laboratory Control Samples

The LCS met quality control recovery criteria. The limits are generated by SPC.

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: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383642

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y209

Level: (low/med) LOW Date Received: 09/03/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	0.10	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: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383642

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y209

Level: (low/med) LOW Date Received: 09/03/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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

¬b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383645

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y210

Level: (low/med) LOW Date Received: 09/03/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	15.3	
74-83-9	bromomethane	17.6	
75-01-4	vinyl chloride	19.0	
75-00-3	chloroethane	17.3	
75-09-2	methylene chloride	18.8	
67-64-1	acetone	34.5	
75-15-0	carbon disulfide	38.6	
75-35-4	1,1-dichloroethene	17.5	
75-34-3	1,1-dichloroethane	18.5	
156-60-5	trans-1,2-dichloroethene	19.5	
67-66-3	chloroform	18.9	
107-06-2	1,2-dichloroethane	18.4	
78-93-3	2-butanone	36.8	
71-55-6	1,1,1-trichloroethane	17.8	
56-23-5	carbon tetrachloride	18.4	
75-27-4	bromodichloromethane	20.0	
78-87-5	1,2-dichloropropane	20.1	
10061-01-5	cis-1,3-dichloropropene	19.9	
79-01-6	trichloroethene	20.1	
124-48-1	dibromochloromethane	17.8	
79-00-5	1,1,2-trichloroethane	18.7	
71-43-2	benzene	19.2	
10061-02-6	trans-1,3-dichloropropene	18.0	
75-25-2	bromoform	17.9	
108-10-1	4-methyl-2-pentanone	39.0	
591-78-6	2-hexanone	19.0	
127-18-4	tetrachloroethene	11.1	
79-34-5	1,1,2,2-tetrachloroethane	19.6	
108-88-3	toluene	18.7	B
108-90-7	chlorobenzene	18.4	
100-41-4	ethylbenzene	18.9	
100-42-5	styrene	18.4	
75-71-8	Dichlorodifluoromethane	16.8	

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.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383645

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y210

Level: (low/med) LOW Date Received: 09/03/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	19.8	
107-13-1	Acrylonitrile	107	
108-05-4	Vinyl Acetate	5.0	U
107-02-8	Acrolein	1140	E
74-88-4	Iodomethane	92.1	
75-05-8	Acetonitrile	48.5	
107-05-1	Allyl Chloride	49.8	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	38.1	
78-83-1	Isobutyl Alcohol	77.0	
107-12-0	Propionitrile	95.2	
74-95-3	Dibromomethane	19.7	
80-62-6	Methyl methacrylate	45.2	
106-93-4	1,2-Dibromoethane	19.0	
630-20-6	1,1,1,2-Tetrachloroethane	19.5	
96-18-4	1,2,3-Trichloropropane	18.8	
110-57-6	trans-1,4-Dichloro-2-butene	43.6	
108-60-1	bis(2-Chloro-isopropyl)ether	91.9	
96-12-8	1,2-dibromo-3-chloropropane	16.8	
1330-20-7	xylenes (total)	57.8	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB02-082096

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: 9608422-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y211

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	1.8	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	0.24	J
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	0.36	J
108-10-1	4-methyl-2-pentanone	1.5	J
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	0.64	J
108-88-3	toluene	0.17	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.

TB02-082096

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: 9608422-18

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y211

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	1.4	J
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	3.7	J
74-95-3	Dibromomethane	0.25	J
80-62-6	Methyl methacrylate	1.4	J
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	10.0	
110-57-6	trans-1,4-Dichloro-2-butene	1.3	J
108-60-1	bis(2-Chloro-isopropyl)ether	7.0	J
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.

TB02-082096MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383643

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y212

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	21.1	
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	18.0	
75-34-3	1,1-dichloroethane	19.2	
156-60-5	trans-1,2-dichloroethene	19.7	
67-66-3	chloroform	19.7	
107-06-2	1,2-dichloroethane	18.6	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	18.6	
56-23-5	carbon tetrachloride	19.0	
75-27-4	bromodichloromethane	20.4	
78-87-5	1,2-dichloropropane	20.8	
10061-01-5	cis-1,3-dichloropropene	20.1	
79-01-6	trichloroethene	19.8	
124-48-1	dibromochloromethane	17.2	
79-00-5	1,1,2-trichloroethane	18.0	
71-43-2	benzene	19.9	
10061-02-6	trans-1,3-dichloropropene	17.8	
75-25-2	bromoform	17.3	
108-10-1	4-methyl-2-pentanone	0.50	J
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	10.6	
79-34-5	1,1,2,2-tetrachloroethane	18.8	
108-88-3	toluene	18.6	B
108-90-7	chlorobenzene	18.7	
100-41-4	ethylbenzene	23.7	
100-42-5	styrene	18.9	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB02-082096MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383643

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y212

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	300	E
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	0.73	J
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	18.4	
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	19.4	
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	18.3	
630-20-6	1,1,1,2-Tetrachloroethane	19.4	
96-18-4	1,2,3-Trichloropropane	9.6	
110-57-6	trans-1,4-Dichloro-2-butene	2.8	J
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	14.1	
1330-20-7	xylenes (total)	72.5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB02-082096MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383644

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y213

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	20.1	
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	16.8	
75-34-3	1,1-dichloroethane	18.3	
156-60-5	trans-1,2-dichloroethene	18.8	
67-66-3	chloroform	18.6	
107-06-2	1,2-dichloroethane	17.8	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	17.7	
56-23-5	carbon tetrachloride	17.9	
75-27-4	bromodichloromethane	19.4	
78-87-5	1,2-dichloropropane	20.0	
10061-01-5	cis-1,3-dichloropropene	19.1	
79-01-6	trichloroethene	19.1	
124-48-1	dibromochloromethane	16.6	
79-00-5	1,1,2-trichloroethane	17.5	
71-43-2	benzene	18.8	
10061-02-6	trans-1,3-dichloropropene	17.0	
75-25-2	bromoform	17.2	
108-10-1	4-methyl-2-pentanone	0.55	J
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	10.0	
79-34-5	1,1,2,2-tetrachloroethane	18.6	
108-88-3	toluene	17.6	B
108-90-7	chlorobenzene	17.8	
100-41-4	ethylbenzene	18.5	
100-42-5	styrene	18.0	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB02-082096MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: QC383644

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y213

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	289	E
107-02-8	Acrolein	20.0	U
74-88-4	Iodomethane	5.0	U
75-05-8	Acetonitrile	0.68	J
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	18.9	
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	17.6	
630-20-6	1,1,1,2-Tetrachloroethane	18.5	
96-18-4	1,2,3-Trichloropropane	8.6	
110-57-6	trans-1,4-Dichloro-2-butene	2.6	J
108-60-1	bis(2-Chloro-isopropyl)ether	10.0	U
96-12-8	1,2-dibromo-3-chloropropane	15.6	
1330-20-7	xylenes (total)	56.8	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02-081996

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: 9608422-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y214

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	9.5	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	0.20	J
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	0.32	J
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	0.52	J
108-88-3	toluene	0.28	JB
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	0.10	J
100-42-5	styrene	2.0	U
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB02-081996

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: 9608422-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y214

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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)	0.34	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB01-082096

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: 9608422-17

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y215

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	0.82	J
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	2.4	
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	2.6	
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	10.5	
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	0.12	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.

FB01-082096

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 68422W

Matrix: (soil/water) WATER Lab Sample ID: 9608422-17

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1Y215

Level: (low/med) LOW Date Received: 08/21/96

% Moisture: not dec. _____ Date Analyzed: 09/03/96

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	1.4	J
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

METALS DATA

CASE NARRATIVE
SDG 68422S/W
Metals Analysis by ICP
Mercury by Cold Vapor

Sample Analysis

The following samples were analyzed for TAL Metals by Method ILM03.0:

Sample Description	Laboratory Identification
I8SS-10	9608422-01
I8SS-9	9608422-02
I8SS-8	9608422-03
I8SS-7	9608422-04
I8SS-5	9608422-05
I8SS-4	9608422-06
I8SS-6	9608422-07
I8SS-1	9608422-08
I8SS-2	9608422-09
I8SS-3	9608422-10
I8DPSS-01	9608422-11
RB02-081996	9608422-12
FB01-082096	9608422-17
Blank	QC387156 / QC387119 - Trace QC388767 / QC391267 - Hg
Laboratory Control Sample (LCS)	QC387159 / QC387120 - Trace QC388770 / QC391268 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC387160 / QC387121 - Trace QC388771 / QC391269 - Hg
I8SS-8 Matrix Spike (MS)	QC387157 - Trace QC388768 - Hg
I8SS-8 Duplicate (Dup)	QC387158 - Trace QC388769 - Hg

Instrument Calibration

Soil

During the analysis of the CCV with the time-date stamp 00:19, the internal standard line became detached. The recovery for CCV 4 and 5 was over the control limit. The samples analyzed after CCV 3 were reanalyzed on October 3, 1996. The final ICS-A, AB, and CRI passed the criteria for recovery and therefore all samples analyzed before CCV3 at 23:09 were accepted. All other initial and continuing instrument calibration criteria established in the methodology were met for the ICP and mercury analysis.

Water

The initial and continuing instrument calibration criteria established in the methodology were met for the ICP and mercury water samples.

Holding Times

All samples were analyzed within the technical holding times.

JAN-17-97(FRI) 16:56 GEN ENGINEERING TEL:803-852-5812 P.002

Blank Analysis

Soil

Barium, lead, sodium, and iron were detected in the method blank at levels greater than the instrument detection limit (IDL) and are flagged with a "B". Aluminum, antimony, beryllium, calcium, thallium, and zinc were below the negative IDL and are flagged with a "B".

Water

Barium, Sodium, and Zinc were detected in the method blank at levels greater than the instrument detection limit (IDL), but lower than the contract required detection limits(CRDL).

Spike and Duplicate Analysis

Soil

Fifteen "N" flags resulted from the MS analysis of antimony, arsenic, beryllium, cadmium, chromium, cobalt, copper, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc. All other analytes met the quality criteria for recovery.
The limits are generated by Statistical Process Control (SPC). Five "*" flags resulted from the duplicate analysis of calcium, copper, iron, manganese, and zinc. All other analytes met the criteria for relative percent difference (RPD).

Water

Spikes are not required since these samples are designated as field and rinsate blanks.

Laboratory Control Samples

All of the LCS and LCSD samples analyzed met quality control criteria for recoveries and relative percent difference (RPD). The limits are generated by Statistical Proces Control (SPC).

Dilutions

All of the soil samples were over the linear range for calcium and required a 1:100 dilution. Samples I8SS-8 and I8SS-7 were also over the linear range for iron and required a 1:100 dilution. Zinc was over the linear range for sample I8SS-5 and required a 1:100 dilution.

The water samples did not require dilutions.

Additional Comments

Five "E" flags resulted from the serial dilution analysis of calcium, iron, lead, magnesium, and zinc. A matrix interference from high calcium concentrations is suspected.

JAN.-17.97(FRI) 16:56 GEN. ENGINEERING TEL:803-852-5812 P.003

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB01082096

L. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422W

Matrix (soil/water): WATER Lab Sample ID: 9608422-17

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	55.8	B		P
7440-36-0	Antimony_	2.0	U		P
7440-38-2	Arsenic__	2.0	U		P
7440-39-3	Barium___	17.5	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium__	0.20	U		P
7440-70-2	Calcium__	40800			P
7440-47-3	Chromium_	1.0	U		P
7440-48-4	Cobalt___	1.0	U		P
7440-50-8	Copper___	6.6	B		P
7439-89-6	Iron_____	13.4	B		P
7439-92-1	Lead_____	1.5	U		P
7439-95-4	Magnesium	4630	B		P
7439-96-5	Manganese	1.6	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	2.0	U		P
7440-09-7	Potassium	13600			P
7782-49-2	Selenium_	2.0	U		P
7440-22-4	Silver___	1.0	U		P
7440-23-5	Sodium___	24700			P
7440-28-0	Thallium_	2.0	B		P
7440-62-2	Vanadium_	1.9	B		P
7440-66-6	Zinc_____	1.0	U		P
74-90-8__	Cyanide__	2.8	B		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.

RB02081996

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422W

Matrix (soil/water): WATER Lab Sample ID: 9608422-12

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	27.2	B		P
7440-36-0	Antimony_	4.4	B		P
7440-38-2	Arsenic__	2.0	U		P
7440-39-3	Barium___	0.81	B		P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium__	0.20	U		P
7440-70-2	Calcium__	69.6	B		P
7440-47-3	Chromium_	1.4	B		P
7440-48-4	Cobalt___	1.0	U		P
7440-50-8	Copper___	6.5	B		P
7439-89-6	Iron_____	3.7	B		P
7439-92-1	Lead_____	1.5	U		P
7439-95-4	Magnesium	6.0	U		P
7439-96-5	Manganese	1.0	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	2.0	U		P
7440-09-7	Potassium	31.3	B		P
7782-49-2	Selenium_	2.0	U		P
7440-22-4	Silver___	1.5	B		P
7440-23-5	Sodium___	614	B		P
7440-28-0	Thallium_	4.7	B		P
7440-62-2	Vanadium_	1.0	B		P
7440-66-6	Zinc_____	1.0	U		P
74-90-8__	Cyanide__	1.4	U		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.

I8SS-10

La. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-01

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _79.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1720			P
7440-36-0	Antimony	0.49	U	N	P
7440-38-2	Arsenic	2.2	B	N	P
7440-39-3	Barium	5.4	B		P
7440-41-7	Beryllium	0.02	U	N	P
7440-43-9	Cadmium	0.06	B	N	P
7440-70-2	Calcium	378000		E*	P
7440-47-3	Chromium	4.3		N	P
7440-48-4	Cobalt	0.37	B	N	P
7440-50-8	Copper	13.0		N*	P
7439-89-6	Iron	5020		E*	P
7439-92-1	Lead	16.5		EN	P
7439-95-4	Magnesium	2970		E	P
7439-96-5	Manganese	33.8		N*	P
7439-97-6	Mercury	0.02	U		AV
7440-02-0	Nickel	2.6	B	N	P
7440-09-7	Potassium	189	B		P
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.24	U	N	P
7440-23-5	Sodium	4290			P
7440-28-0	Thallium	0.49	U	N	P
7440-62-2	Vanadium	3.9	B	N	P
7440-66-6	Zinc	5.2		EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: COARSE

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-9

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-02

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _75.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	479			P
7440-36-0	Antimony	0.52	U	N	P
7440-38-2	Arsenic	4.7		N	P
7440-39-3	Barium	5.2	B		P
7440-41-7	Beryllium	0.03	U	N	P
7440-43-9	Cadmium	0.10	B	N	P
7440-70-2	Calcium	383000		E*	P
7440-47-3	Chromium	11.8		N	P
7440-48-4	Cobalt	1.0	B	N	P
7440-50-8	Copper	10.4		N*	P
7439-89-6	Iron	19700		E*	P
7439-92-1	Lead	22.7		EN	P
7439-95-4	Magnesium	2440		E	P
7439-96-5	Manganese	70.6		N*	P
7439-97-6	Mercury	0.02	U		AV
7440-02-0	Nickel	5.2	B	N	P
7440-09-7	Potassium	208	B		P
7782-49-2	Selenium	0.52	U	N	P
7440-22-4	Silver	0.26	U	N	P
7440-23-5	Sodium	4320			P
7440-28-0	Thallium	0.52	U	N	P
7440-62-2	Vanadium	4.9	B	N	P
7440-66-6	Zinc	7.6		EN*	P

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-8

La. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-03

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _75.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1320			P
7440-36-0	Antimony	1.2	B	N	P
7440-38-2	Arsenic	18.3		N	P
7440-39-3	Barium	12.8	B		P
7440-41-7	Beryllium	0.03	U	N	P
7440-43-9	Cadmium	1.4		N	P
7440-70-2	Calcium	336000		E*	P
7440-47-3	Chromium	27.2		N	P
7440-48-4	Cobalt	6.5	B	N	P
7440-50-8	Copper	85.3		N*	P
7439-89-6	Iron	94500		E*	P
7439-92-1	Lead	229		EN	P
7439-95-4	Magnesium	2840		E	P
7439-96-5	Manganese	286		N*	P
7439-97-6	Mercury	0.04	B		AV
7440-02-0	Nickel	29.3		N	P
7440-09-7	Potassium	208	B		P
7782-49-2	Selenium	1.7		N	P
7440-22-4	Silver	0.26	U	N	P
7440-23-5	Sodium	4920			P
7440-28-0	Thallium	0.52	U	N	P
7440-62-2	Vanadium	14.4		N	P
7440-66-6	Zinc	656		EN*	P

Color Before: BROWN____ Clarity Before: _____ Texture: COARSE

Color After: YELLOW___ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-7

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-04

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _75.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1410			P
7440-36-0	Antimony	8.6	B	N	P
7440-38-2	Arsenic	33.9		N	P
7440-39-3	Barium	47.8	B		P
7440-41-7	Beryllium	0.03	U	N	P
7440-43-9	Cadmium	2.0		N	P
7440-70-2	Calcium	227000		E*	P
7440-47-3	Chromium	52.5		N	P
7440-48-4	Cobalt	8.1	B	N	P
7440-50-8	Copper	492		N*	P
7439-89-6	Iron	221000		E*	P
7439-92-1	Lead	371		EN	P
7439-95-4	Magnesium	4520		E	P
7439-96-5	Manganese	546		N*	P
7439-97-6	Mercury	0.06			AV
7440-02-0	Nickel	248		N	P
7440-09-7	Potassium	287	B		P
7782-49-2	Selenium	4.8		N	P
7440-22-4	Silver	0.63	B	N	P
7440-23-5	Sodium	5180			P
7440-28-0	Thallium	0.52	U	N	P
7440-62-2	Vanadium	25.7		N	P
7440-66-6	Zinc	707		EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: COARSE

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-5

La. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-05

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	195			P
7440-36-0	Antimony	0.51	U	N	P
7440-38-2	Arsenic	8.0		N	P
7440-39-3	Barium	6.6	B		P
7440-41-7	Beryllium	0.03	U	N	P
7440-43-9	Cadmium	0.21	B	N	P
7440-70-2	Calcium	341000		E*	P
7440-47-3	Chromium	32.5		N	P
7440-48-4	Cobalt	2.3	B	N	P
7440-50-8	Copper	38.1		N*	P
7439-89-6	Iron	44100		E*	P
7439-92-1	Lead	21.9		EN	P
7439-95-4	Magnesium	2390		E	P
7439-96-5	Manganese	230		N*	P
7439-97-6	Mercury	0.02	U		AV
7440-02-0	Nickel	24.9		N	P
7440-09-7	Potassium	247	B		P
7782-49-2	Selenium	1.3		N	P
7440-22-4	Silver	0.25	U	N	P
7440-23-5	Sodium	5270			P
7440-28-0	Thallium	0.51	U	N	P
7440-62-2	Vanadium	5.6	B	N	P
7440-66-6	Zinc	2180		EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: COARSE

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-4

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-06

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _71.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	586			P
7440-36-0	Antimony	0.55	U	N	P
7440-38-2	Arsenic	1.9	B	N	P
7440-39-3	Barium	7.5	B		P
7440-41-7	Beryllium	0.03	U	N	P
7440-43-9	Cadmium	0.08	B	N	P
7440-70-2	Calcium	363000		E*	P
7440-47-3	Chromium	3.0		N	P
7440-48-4	Cobalt	0.27	U	N	P
7440-50-8	Copper	7.6		N*	P
7439-89-6	Iron	744	B	E*	P
7439-92-1	Lead	15.6		EN	P
7439-95-4	Magnesium	2480		E	P
7439-96-5	Manganese	76.3		N*	P
7439-97-6	Mercury	0.02	U		AV
7440-02-0	Nickel	1.1	B	N	P
7440-09-7	Potassium	344	B		P
7782-49-2	Selenium	0.55	U	N	P
7440-22-4	Silver	0.27	U	N	P
7440-23-5	Sodium	6290			P
7440-28-0	Thallium	0.55	U	N	P
7440-62-2	Vanadium	3.2	B	N	P
7440-66-6	Zinc	18.9		EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: COARSE

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-6

La Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-07

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _77.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	296			P
7440-36-0	Antimony	0.49	U	N	P
7440-38-2	Arsenic	1.9	B	N	P
7440-39-3	Barium	11.1	B		P
7440-41-7	Beryllium	0.02	U	N	P
7440-43-9	Cadmium	0.11	B	N	P
7440-70-2	Calcium	322000		E*	P
7440-47-3	Chromium	2.9		N	P
7440-48-4	Cobalt	0.40	B	N	P
7440-50-8	Copper	76.9		N*	P
7439-89-6	Iron	4820		E*	P
7439-92-1	Lead	125		EN	P
7439-95-4	Magnesium	2830		E	P
7439-96-5	Manganese	14.3		N*	P
7439-97-6	Mercury	0.04	B		AV
7440-02-0	Nickel	2.1	B	N	P
7440-09-7	Potassium	240	B		P
7782-49-2	Selenium	0.49	U	N	P
7440-22-4	Silver	0.25	U	N	P
7440-23-5	Sodium	5550			P
7440-28-0	Thallium	0.49	U	N	P
7440-62-2	Vanadium	4.0	B	N	P
7440-66-6	Zinc	60.9		EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: COARSE

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-08

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _57.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	226			P
7440-36-0	Antimony	0.67	U	N	P
7440-38-2	Arsenic	1.6	B	N	P
7440-39-3	Barium	8.0	B		P
7440-41-7	Beryllium	0.03	U	N	P
7440-43-9	Cadmium	0.07	U	N	P
7440-70-2	Calcium	429000		E*	P
7440-47-3	Chromium	3.4		N	P
7440-48-4	Cobalt	0.33	U	N	P
7440-50-8	Copper	14.5		N*	P
7439-89-6	Iron	538	B	E*	P
7439-92-1	Lead	18.5		EN	P
7439-95-4	Magnesium	3780		E	P
7439-96-5	Manganese	6.2		N*	P
7439-97-6	Mercury	0.06			AV
7440-02-0	Nickel	1.2	B	N	P
7440-09-7	Potassium	414	B		P
7782-49-2	Selenium	0.67	U	N	P
7440-22-4	Silver	0.33	U	N	P
7440-23-5	Sodium	8870			P
7440-28-0	Thallium	0.67	U	N	P
7440-62-2	Vanadium	2.6	B	N	P
7440-66-6	Zinc	0.33	U	EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-2

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-09

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _63.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	159			P
7440-36-0	Antimony	0.62	U	N	P
7440-38-2	Arsenic	1.3	B	N	P
7440-39-3	Barium	7.2	B		P
7440-41-7	Beryllium	0.03	U	N	P
7440-43-9	Cadmium	0.06	U	N	P
7440-70-2	Calcium	384000		E*	P
7440-47-3	Chromium	2.3	B	N	P
7440-48-4	Cobalt	0.31	U	N	P
7440-50-8	Copper	12.7		N*	P
7439-89-6	Iron	279	B	E*	P
7439-92-1	Lead	18.2		EN	P
7439-95-4	Magnesium	2710		E	P
7439-96-5	Manganese	4.7		N*	P
7439-97-6	Mercury	0.06			AV
7440-02-0	Nickel	1.4	B	N	P
7440-09-7	Potassium	362	B		P
7782-49-2	Selenium	0.62	U	N	P
7440-22-4	Silver	0.31	U	N	P
7440-23-5	Sodium	7910			P
7440-28-0	Thallium	0.62	U	N	P
7440-62-2	Vanadium	2.9	B	N	P
7440-66-6	Zinc	0.31	U	EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8SS-3

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-10

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _54.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	216			P
7440-36-0	Antimony	0.71	U	N	P
7440-38-2	Arsenic	1.7	B	N	P
7440-39-3	Barium	9.2	B		P
7440-41-7	Beryllium	0.04	U	N	P
7440-43-9	Cadmium	0.07	U	N	P
7440-70-2	Calcium	349000		E*	P
7440-47-3	Chromium	4.0		N	P
7440-48-4	Cobalt	0.36	U	N	P
7440-50-8	Copper	14.7		N*	P
7439-89-6	Iron	619	B	E*	P
7439-92-1	Lead	43.3		EN	P
7439-95-4	Magnesium	3900		E	P
7439-96-5	Manganese	6.5		N*	P
7439-97-6	Mercury	0.06			AV
7440-02-0	Nickel	1.1	B	N	P
7440-09-7	Potassium	479	B		P
7782-49-2	Selenium	0.71	U	N	P
7440-22-4	Silver	0.36	U	N	P
7440-23-5	Sodium	11100			P
7440-28-0	Thallium	0.71	U	N	P
7440-62-2	Vanadium	2.5	B	N	P
7440-66-6	Zinc	11.7		EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I8DPSS-01

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 68422S

Matrix (soil/water): SOIL_ Lab Sample ID: 9608422-11

Level (low/med): LOW__ Date Received: 08/21/96

% Solids: _57.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	197			P
7440-36-0	Antimony	0.69	U	N	P
7440-38-2	Arsenic	1.6	B	N	P
7440-39-3	Barium	8.9	B		P
7440-41-7	Beryllium	0.03	U	N	P
7440-43-9	Cadmium	0.07	B	N	P
7440-70-2	Calcium	348000		E*	P
7440-47-3	Chromium	3.2	B	N	P
7440-48-4	Cobalt	0.34	U	N	P
7440-50-8	Copper	15.7		N*	P
7439-89-6	Iron	580	B	E*	P
7439-92-1	Lead	32.1		EN	P
7439-95-4	Magnesium	3720		E	P
7439-96-5	Manganese	5.7		N*	P
7439-97-6	Mercury	0.09			AV
7440-02-0	Nickel	1.1	B	N	P
7440-09-7	Potassium	472	B		P
7782-49-2	Selenium	0.69	U	N	P
7440-22-4	Silver	0.34	U	N	P
7440-23-5	Sodium	11000			P
7440-28-0	Thallium	0.69	U	N	P
7440-62-2	Vanadium	2.3	B	N	P
7440-66-6	Zinc	15.5		EN*	P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: GREY_____ Clarity After: _____ Artifacts: YES___

Comments:

FORM I - IN ILM02.1

SDG 69266W

GENERAL CASE NARRATIVE

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

October 23, 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 September 12 and September 14, 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 temperatures of several of the shipping containers received on 9/12/96 and 9/14/96 were out of specifications. The samples were analyzed as is, per the client.

The following samples were received by the laboratory:

Sample Description	Laboratory Identification
I7MW-1	9609266-01
I7MW7-2	9609266-02
I7MW7-4	9609266-03
I7MW7-10	9609266-04
I7MW7-5	9609266-05
I7MW7-6	9609266-06
I7MW7-3	9609266-07
I7DPGW	9609266-08
I7KWM-12	9609266-09
I7MW7-1	9609266-10
I1MW1-1	9609266-11
I1KMW-03	9609266-12
I1MW-3	9609266-13

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178

Printed on recycled paper.

I1MW-6	9609266-14
I1MW-1	9609266-15
I1DPGW	9609266-16
I1MW1-2	9609266-17
I1MW-5	9609266-18
I1MW3-1	9609266-19
I1KMW-02	9609266-20

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, Pesticides/PCB, Herbicides, Metals, Cyanide, Chain of Custody, and Nonconformance Reports. The analytical sections contain the following information: case narrative, forms, LCS control charts, MDLs, raw data, and hardcopy electronic data deliverable.

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.

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178

Printed on recycled paper.

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:hali00396.102396

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 69266W
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
I7MW-1	9609266-01
I7MW7-2	9609266-02
I7MW7-4	9609266-03
I7MW7-10	9609266-04
I7MW7-5	9609266-05
I7MW7-6	9609266-06
I7MW7-3	9609266-07
I7DPGW	9609266-08
I7KWM-12	9609266-09
I7MW7-1	9609266-10
I1MW1-1	9609266-11
I1KMW-03	9609266-12
I1MW-3	9609266-13
I1MW-6	9609266-14
I1MW-1	9609266-15
I1DPGW	9609266-16
I1MW1-2	9609266-17
I1MW-5	9609266-18
I1MW3-1	9609266-19
I1KMW-02	9609266-20
Blank	QC386946/QC387567
Laboratory Control Sample (LCS)	QC386947/QC387568
Laboratory Control Sample Duplicate (LCSD)	QC386948/QC387569
I7MW7-1 Matrix Spike (MS)	QC386949
I7MW7-1 Matrix Spike Duplicate (MSD)	QC386950
I1MW-7 (MS)	QC387570
I1MW-7 (MSD)	QC387571

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 met recovery criteria.

Blank Analysis

No target analytes were detected in the method blank.

Spike Analysis

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

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

All of the water samples were analyzed at the standard 1:10 dilution.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387567

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

HBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387568

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.78	
95-76-5	2,4,5-T	0.81	
93-72-1	2,4,5-TP	0.84	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387569

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 005R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.84	
95-76-5	2,4,5-T	0.84	
93-72-1	2,4,5-TP	0.86	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1DPGW

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-16

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 008R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW1-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-17

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 009R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

I1MW-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-18

Sample wt/vol: 1025 (g/mL) mL Lab File ID: 010R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

I1MW3-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-19

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 011R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

I1KMW-02

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-20

Sample wt/vol: 1020 (g/mL) mL Lab File ID: 012R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

HBLK02

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC386946

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC386947

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	1.1	
95-76-5	2,4,5-T	1.0	P
93-72-1	2,4,5-TP	1.0	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC386948

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 005R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	0.93	
95-76-5	2,4,5-T	0.92	
93-72-1	2,4,5-TP	0.93	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-1MS

ㄅ Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC386949

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 006R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	1.1	
95-76-5	2,4,5-T	1.0	P
93-72-1	2,4,5-TP	1.1	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-1MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC386950

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 007R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	0.98	
95-76-5	2,4,5-T	0.91	P
93-72-1	2,4,5-TP	0.96	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW-1

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-01

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 008R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-2

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-02

Sample wt/vol: 990 (g/mL) mL Lab File ID: 009R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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.

I7MW7-4

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-03

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 010R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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.

I7MW7-10

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-04

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 011R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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.

I7MW7-5

b Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-05

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 012R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-6

-b Name: Contract:

Lc Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-06

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 014R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-3

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-07

Sample wt/vol: 990 (g/mL) mL Lab File ID: 015R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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.

I7DPGW

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-08

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 016R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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.

I7KWM-12

`b Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-09

Sample wt/vol: 990 (g/mL) mL Lab File ID: 017R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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.

I7MW7-1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-10

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 018R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW1-1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-11

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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.

I1KMW-03

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 020R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-3

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-13

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 021R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-6

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-14

Sample wt/vol: 990 (g/mL) mL Lab File ID: 022R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/30/96

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.

I1MW-1

b Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-15

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 023R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/17/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/01/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

~~1060~~
1060

CASE NARRATIVE
SDG 69266W
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
I7MW-1	9609266-01
I7MW7-2	9609266-02
I7MW7-4	9609266-03
I7MW7-10	9609266-04
I7MW7-5	9609266-05
I7MW7-6	9609266-06
I7MW7-3	9609266-07
I7DPGW	9609266-08
I7KWM-12	9609266-09
I7MW7-1	9609266-10
I1MW1-1	9609266-11
I1KMW-03	9609266-12
I1MW-3	9609266-13
I1MW-6	9609266-14
I1MW-1	9609266-15
I1DPGW	9609266-16
I1MW1-2	9609266-17
I1MW-5	9609266-18
I1MW3-1	9609266-19
I1KMW-02	9609266-20
Blank	QC387127/QC387262
Laboratory Control Sample (LCS)	QC387128/QC387130/QC387263 QC387265
Laboratory Control Sample Duplicate (LCSD)	QC387129/QC387131/QC387264 QC387266
I8SS-8 Matrix Spike (MS)	QC387132
I8SS-8 Matrix Spike Duplicate (MSD)	QC387133
I1MW-7 (MS)	QC387267/QC387269
I1MW-7 (MSD)	QC387268/QC387270

Instrument Calibration

The continuing calibration (analyzed on 10/2/96 at 5:40) exceeded the quality control acceptance criteria for 4,4'-DDD on both columns. By the time the problem was discovered, the sample extract had evaporated and the sample holding time had been exceeded. Since 4,4'-DDD was not detected in the sample, a nonconformance report was written with the dispostition to use as is.

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

All samples met surrogate recovery acceptance criteria.

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 the relative percent difference (RPD) criteria for Aldrin. The LCSD can be used to demonstrte precision for that compound.

Laboratory Control Samples

The LCS and LCSD samples analyzed met quality control criteria for recoveries and RPD.

Dilutions

In order to quantitate gamma-BHC within the calibration range of the analytical equipment, the following samples were analyzed at the corresponding dilutions:

I7MW7-4	10x
I7MW7-5	5x
I7MW7-6	10x
I7MW7-3	10x
I7DPGW	10x
I7KWM-12	4x

Sample I1MW1-2 was analyzed at a 50x in order to quantitate Chlordane and Heptachlor within the calibration range of the analytical equipment.

Additional Comments

Sample I1MW1-2 was re-analyzed to confirm possible carry-over of gamma-BHC.

The samples spiked were inadvertently not spiked with PCB-1260. A nonconformance report was written and is included in the package.

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.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387127

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10015

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/14/96

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.

PBLK01

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387127

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10015

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/14/96

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.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387128

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10016

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/14/96

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	0.098	
76-44-8	Heptachlor	0.074	
309-00-2	Aldrin	0.061	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.20	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.20	
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	0.18	
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.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387128

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10016

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/14/96

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: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387129

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10017

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/14/96

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	0.096	
76-44-8	Heptachlor	0.076	
309-00-2	Aldrin	0.063	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.20	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.20	
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	0.18	
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.

PBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387129

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10017

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/14/96

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.

PBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387130

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10018

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/14/96

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	0.13	U
11096-82-5	Aroclor-1260	0.58	

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.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387131

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10019

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/25/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/14/96

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	0.12	U
11096-82-5	Aroclor-1260	0.69	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

17MW7-1MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387132

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10020

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.11	
76-44-8	Heptachlor	0.087	
309-00-2	Aldrin	0.056	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.012	JP
60-57-1	Dieldrin	0.25	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.24	
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	0.22	
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.040	U
8001-35-2	Toxaphene	0.99	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.

17MW7-1MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387132

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10020

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

17MW7-1MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387133

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10021

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.016	J
58-89-9	gamma-BHC	0.12	
76-44-8	Heptachlor	0.094	
309-00-2	Aldrin	0.083	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.014	JP
60-57-1	Dieldrin	0.25	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.24	
33213-65-9	Endosulfan II	0.040	U
72-54-8	4,4'-DDD	0.024	JP
1031-07-8	Endosulfan sulfate	0.040	U
50-29-3	4,4'-DDT	0.24	
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.040	U
8001-35-2	Toxaphene	0.99	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.

17MW7-1MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387133

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10021

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I7MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-01

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10024

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.018	J
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.016	JP
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	0.014	JP
60-57-1	Dieldrin	0.026	J
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	0.99	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.

I7MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-01

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10024

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I7MW7-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-02

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10026

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.012	JP
60-57-1	Dieldrin	0.028	J
72-55-9	4,4'-DDE	0.028	JP
72-20-8	Endrin	0.039	U
33213-65-9	Endosulfan II	0.039	U
72-54-8	4,4'-DDD	0.029	J
1031-07-8	Endosulfan sulfate	0.039	U
50-29-3	4,4'-DDT	0.026	J
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.039	U
8001-35-2	Toxaphene	0.98	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	0.24	U
298-02-2	Phorate	0.049	U
298-00-0	Parathion, methyl	0.049	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-02

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10026

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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	0.049	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-03

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10027

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.016	JP
58-89-9	gamma-BHC	0.88	EP
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	P
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	0.99	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.

I7MW7-4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-03

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10027

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I7MW7-4DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-03

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10015

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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
319-84-6	alpha-BHC	0.20	U
319-85-7	beta-BHC	0.20	U
319-86-8	delta-BHC	0.20	U
58-89-9	gamma-BHC	1.0	P
76-44-8	Heptachlor	0.20	U
309-00-2	Aldrin	0.20	U
1024-57-3	Heptachlor epoxide	0.20	U
959-98-8	Endosulfan I	0.20	U
60-57-1	Dieldrin	0.40	U
72-55-9	4,4'-DDE	0.40	U
72-20-8	Endrin	0.40	U
33213-65-9	Endosulfan II	0.40	U
72-54-8	4,4'-DDD	0.40	U
1031-07-8	Endosulfan sulfate	0.40	U
50-29-3	4,4'-DDT	0.40	U
72-43-5	Methoxychlor	2.0	U
7421-93-4	Endrin aldehyde	0.40	U
8001-35-2	Toxaphene	9.9	U
12674-11-2	Aroclor-1016	1.2	U
11104-28-2	Aroclor-1221	1.2	U
1114-16-5	Aroclor-1232	1.2	U
53469-21-9	Aroclor-1242	1.2	U
12672-29-6	Aroclor-1248	1.2	U
11097-69-1	Aroclor-1254	1.2	U
11096-82-5	Aroclor-1260	1.2	U
57-74-9	Chlordane	2.5	U
298-02-2	Phorate	0.50	U
298-00-0	Parathion, methyl	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-4DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-03

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10015

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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
56-38-2	Parathion	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-10

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-04

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10028

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.019	JP
58-89-9	gamma-BHC	0.14	P
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	0.017	J
60-57-1	Dieldrin	0.030	J
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	0.99	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.

I7MW7-10

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-04

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10028

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I7MW7-10CF1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-04

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10016

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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	0.019	J
58-89-9	gamma-BHC	0.15	P
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	0.018	J
60-57-1	Dieldrin	0.036	JP
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	0.99	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.

I7MW7-10CF1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-04

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10016

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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.

I7MW7-5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-05

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10029

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.018	JP
58-89-9	gamma-BHC	0.34	EP
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	0.031	P
60-57-1	Dieldrin	0.033	JP
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	0.038	JP
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	0.99	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.

I7MW7-5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-05

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10029

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I7MW7-5DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-05

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10017

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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/L	Q
319-84-6	alpha-BHC	0.099	U
319-85-7	beta-BHC	0.099	U
319-86-8	delta-BHC	0.099	U
58-89-9	gamma-BHC	0.28	P
76-44-8	Heptachlor	0.099	U
309-00-2	Aldrin	0.099	U
1024-57-3	Heptachlor epoxide	0.099	U
959-98-8	Endosulfan I	0.099	U
60-57-1	Dieldrin	0.20	U
72-55-9	4,4'-DDE	0.20	U
72-20-8	Endrin	0.20	U
33213-65-9	Endosulfan II	0.20	U
72-54-8	4,4'-DDD	0.20	U
1031-07-8	Endosulfan sulfate	0.20	U
50-29-3	4,4'-DDT	0.20	U
72-43-5	Methoxychlor	0.99	U
7421-93-4	Endrin aldehyde	0.20	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	0.62	U
11104-28-2	Aroclor-1221	0.62	U
1114-16-5	Aroclor-1232	0.62	U
53469-21-9	Aroclor-1242	0.62	U
12672-29-6	Aroclor-1248	0.62	U
11097-69-1	Aroclor-1254	0.62	U
11096-82-5	Aroclor-1260	0.62	U
57-74-9	Chlordane	1.2	U
298-02-2	Phorate	0.25	U
298-00-0	Parathion, methyl	0.25	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-5DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-05

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10017

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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/L	Q
56-38-2	Parathion	0.25	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-06

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10030

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.45	EP
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	0.032	P
60-57-1	Dieldrin	0.022	JP
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.027	J
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	0.99	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	0.18	JP
298-02-2	Phorate	0.050	U
298-00-0	Parathion, methyl	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-6

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-06

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10030

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I7MW7-6DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-06

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10018

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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
319-84-6	alpha-BHC	0.20	U
319-85-7	beta-BHC	0.20	U
319-86-8	delta-BHC	0.20	U
58-89-9	gamma-BHC	0.41	P
76-44-8	Heptachlor	0.20	U
309-00-2	Aldrin	0.20	U
1024-57-3	Heptachlor epoxide	0.20	U
959-98-8	Endosulfan I	0.20	U
60-57-1	Dieldrin	0.40	U
72-55-9	4,4'-DDE	0.40	U
72-20-8	Endrin	0.40	U
33213-65-9	Endosulfan II	0.40	U
72-54-8	4,4'-DDD	0.40	U
1031-07-8	Endosulfan sulfate	0.40	U
50-29-3	4,4'-DDT	0.40	U
72-43-5	Methoxychlor	2.0	U
7421-93-4	Endrin aldehyde	0.40	U
8001-35-2	Toxaphene	9.9	U
12674-11-2	Aroclor-1016	1.2	U
11104-28-2	Aroclor-1221	1.2	U
1114-16-5	Aroclor-1232	1.2	U
53469-21-9	Aroclor-1242	1.2	U
12672-29-6	Aroclor-1248	1.2	U
11097-69-1	Aroclor-1254	1.2	U
11096-82-5	Aroclor-1260	1.2	U
57-74-9	Chlordane	2.5	U
298-02-2	Phorate	0.50	U
298-00-0	Parathion, methyl	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-6DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-06

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10018

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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
56-38-2	Parathion	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-07

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10031

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.018	JP
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.017	JP
58-89-9	gamma-BHC	0.63	EP
76-44-8	Heptachlor	0.012	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	0.029	JP
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.028	J
33213-65-9	Endosulfan II	0.040	U
72-54-8	4,4'-DDD	0.040	U
1031-07-8	Endosulfan sulfate	0.054	P
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	0.99	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.

I7MW7-3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-07

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10031

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I7MW7-3DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-07

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10019

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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
319-84-6	alpha-BHC	0.20	U
319-85-7	beta-BHC	0.20	U
319-86-8	delta-BHC	0.20	U
58-89-9	gamma-BHC	0.43	P
76-44-8	Heptachlor	0.20	U
309-00-2	Aldrin	0.20	U
1024-57-3	Heptachlor epoxide	0.20	U
959-98-8	Endosulfan I	0.20	U
60-57-1	Dieldrin	0.40	U
72-55-9	4,4'-DDE	0.40	U
72-20-8	Endrin	0.40	U
33213-65-9	Endosulfan II	0.40	U
72-54-8	4,4'-DDD	0.40	U
1031-07-8	Endosulfan sulfate	0.40	U
50-29-3	4,4'-DDT	0.40	U
72-43-5	Methoxychlor	2.0	U
7421-93-4	Endrin aldehyde	0.40	U
8001-35-2	Toxaphene	9.9	U
12674-11-2	Aroclor-1016	1.2	U
11104-28-2	Aroclor-1221	1.2	U
1114-16-5	Aroclor-1232	1.2	U
53469-21-9	Aroclor-1242	1.2	U
12672-29-6	Aroclor-1248	1.2	U
11097-69-1	Aroclor-1254	1.2	U
11096-82-5	Aroclor-1260	1.2	U
57-74-9	Chlordane	2.5	U
298-02-2	Phorate	0.50	U
298-00-0	Parathion, methyl	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-3DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-07

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10019

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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
56-38-2	Parathion	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7DPGW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-08

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10032

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	JP
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	JP
58-89-9	gamma-BHC	1.3	E
76-44-8	Heptachlor	0.010	JP
309-00-2	Aldrin	0.014	JP
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.028	JP
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.021	JP
33213-65-9	Endosulfan II	0.040	U
72-54-8	4,4'-DDD	0.040	U
1031-07-8	Endosulfan sulfate	0.048	P
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	0.99	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.

I7DPGW

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-08

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10032

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I7DPGWDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-08

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10020

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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
319-84-6	alpha-BHC	0.20	U
319-85-7	beta-BHC	0.20	U
319-86-8	delta-BHC	0.20	U
58-89-9	gamma-BHC	1.7	P
76-44-8	Heptachlor	0.20	U
309-00-2	Aldrin	0.20	U
1024-57-3	Heptachlor epoxide	0.20	U
959-98-8	Endosulfan I	0.20	U
60-57-1	Dieldrin	0.40	U
72-55-9	4,4'-DDE	0.40	U
72-20-8	Endrin	0.40	U
33213-65-9	Endosulfan II	0.40	U
72-54-8	4,4'-DDD	0.40	U
1031-07-8	Endosulfan sulfate	0.40	U
50-29-3	4,4'-DDT	0.40	U
72-43-5	Methoxychlor	2.0	U
7421-93-4	Endrin aldehyde	0.40	U
8001-35-2	Toxaphene	9.9	U
12674-11-2	Aroclor-1016	1.2	U
11104-28-2	Aroclor-1221	1.2	U
1114-16-5	Aroclor-1232	1.2	U
53469-21-9	Aroclor-1242	1.2	U
12672-29-6	Aroclor-1248	1.2	U
11097-69-1	Aroclor-1254	1.2	U
11096-82-5	Aroclor-1260	1.2	U
57-74-9	Chlordane	2.5	U
298-02-2	Phorate	0.50	U
298-00-0	Parathion, methyl	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7DPGWDL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-08

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10020

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

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
56-38-2	Parathion	0.50	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7KWM-12

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-09

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10033

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.015	JP
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.016	JP
58-89-9	gamma-BHC	0.28	EP
76-44-8	Heptachlor	0.012	JP
309-00-2	Aldrin	0.016	JP
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.019	JP
60-57-1	Dieldrin	0.025	J
72-55-9	4,4'-DDE	0.039	U
72-20-8	Endrin	0.022	J
33213-65-9	Endosulfan II	0.039	U
72-54-8	4,4'-DDD	0.039	U
1031-07-8	Endosulfan sulfate	0.039	U
50-29-3	4,4'-DDT	0.039	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.039	U
8001-35-2	Toxaphene	0.98	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	0.24	U
298-02-2	Phorate	0.049	U
298-00-0	Parathion, methyl	0.049	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7KWM-12

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-09

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10033

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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	0.049	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7KWM-12DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-09

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10021

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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	0.078	U
319-85-7	beta-BHC	0.078	U
319-86-8	delta-BHC	0.078	U
58-89-9	gamma-BHC	0.20	P
76-44-8	Heptachlor	0.078	U
309-00-2	Aldrin	0.078	U
1024-57-3	Heptachlor epoxide	0.078	U
959-98-8	Endosulfan I	0.078	U
60-57-1	Dieldrin	0.16	U
72-55-9	4,4'-DDE	0.16	U
72-20-8	Endrin	0.16	U
33213-65-9	Endosulfan II	0.16	U
72-54-8	4,4'-DDD	0.16	U
1031-07-8	Endosulfan sulfate	0.16	U
50-29-3	4,4'-DDT	0.16	U
72-43-5	Methoxychlor	0.78	U
7421-93-4	Endrin aldehyde	0.16	U
8001-35-2	Toxaphene	3.9	U
12674-11-2	Aroclor-1016	0.49	U
11104-28-2	Aroclor-1221	0.49	U
1114-16-5	Aroclor-1232	0.49	U
53469-21-9	Aroclor-1242	0.49	U
12672-29-6	Aroclor-1248	0.49	U
11097-69-1	Aroclor-1254	0.49	U
11096-82-5	Aroclor-1260	0.49	U
57-74-9	Chlordane	0.98	U
298-02-2	Phorate	0.20	U
298-00-0	Parathion, methyl	0.20	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7KWM-12DL1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-09

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10021

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 4.0

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	0.20	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I7MW7-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-10

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10035

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.015	JP
58-89-9	gamma-BHC	0.022	P
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.

I7MW7-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-10

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10035

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I1MW1-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-11

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10036

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.022	JP
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	0.027	J
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.

I1MW1-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-11

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10036

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I1KMW-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10037

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.015	JP
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	0.99	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.

I1KMW-03

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-12

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10037

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I1MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-13

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10038

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.013	JP
60-57-1	Dieldrin	0.039	U
72-55-9	4,4'-DDE	0.039	U
72-20-8	Endrin	0.039	U
33213-65-9	Endosulfan II	0.039	U
72-54-8	4,4'-DDD	0.039	U
1031-07-8	Endosulfan sulfate	0.039	U
50-29-3	4,4'-DDT	0.039	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.039	U
8001-35-2	Toxaphene	0.98	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	0.24	U
298-02-2	Phorate	0.049	U
298-00-0	Parathion, methyl	0.049	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-13

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10038

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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	0.049	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-15

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10039

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.019	J
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	0.99	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.

I1MW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-15

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10039

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500 (mL) Date Analyzed: 10/15/96

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.

I1DPGW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-16

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10040

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.015	JP
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	0.023	J
72-55-9	4,4'-DDE	0.039	U
72-20-8	Endrin	0.039	U
33213-65-9	Endosulfan II	0.039	U
72-54-8	4,4'-DDD	0.039	U
1031-07-8	Endosulfan sulfate	0.039	U
50-29-3	4,4'-DDT	0.039	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.039	U
8001-35-2	Toxaphene	0.98	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	0.24	U
298-02-2	Phorate	0.049	U
298-00-0	Parathion, methyl	0.049	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1DPGW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-16

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10040

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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	0.049	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW1-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-17

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10041

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	0.99	U
319-85-7	beta-BHC	0.99	U
319-86-8	delta-BHC	0.99	U
58-89-9	gamma-BHC	0.99	U
76-44-8	Heptachlor	1.0	
309-00-2	Aldrin	0.99	U
1024-57-3	Heptachlor epoxide	0.99	U
959-98-8	Endosulfan I	5.9	P
60-57-1	Dieldrin	2.0	U
72-55-9	4,4'-DDE	2.0	U
72-20-8	Endrin	2.0	U
33213-65-9	Endosulfan II	2.0	U
72-54-8	4,4'-DDD	1.3	JP
1031-07-8	Endosulfan sulfate	2.0	U
50-29-3	4,4'-DDT	2.0	U
72-43-5	Methoxychlor	9.9	U
7421-93-4	Endrin aldehyde	2.0	U
8001-35-2	Toxaphene	49.5	U
12674-11-2	Aroclor-1016	6.2	U
11104-28-2	Aroclor-1221	6.2	U
1114-16-5	Aroclor-1232	6.2	U
53469-21-9	Aroclor-1242	6.2	U
12672-29-6	Aroclor-1248	6.2	U
11097-69-1	Aroclor-1254	6.2	U
11096-82-5	Aroclor-1260	6.2	U
57-74-9	Chlordane	57.9	
298-02-2	Phorate	2.5	U
298-00-0	Parathion, methyl	2.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW1-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-17

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10041

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 50.0

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	2.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-18

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10042

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.16	P
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	JP
60-57-1	Dieldrin	0.023	J
72-55-9	4,4'-DDE	0.041	U
72-20-8	Endrin	0.041	U
33213-65-9	Endosulfan II	0.041	U
72-54-8	4,4'-DDD	0.041	U
1031-07-8	Endosulfan sulfate	0.041	U
50-29-3	4,4'-DDT	0.041	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.041	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.13	U
11104-28-2	Aroclor-1221	0.13	U
1114-16-5	Aroclor-1232	0.13	U
53469-21-9	Aroclor-1242	0.13	U
12672-29-6	Aroclor-1248	0.13	U
11097-69-1	Aroclor-1254	0.13	U
11096-82-5	Aroclor-1260	0.13	U
57-74-9	Chlordane	0.26	U
298-02-2	Phorate	0.051	U
298-00-0	Parathion, methyl	0.051	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-5

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-18

Sample wt/vol: 1020 (g/mL) mL Lab File ID: SIG10042

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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	0.051	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW3-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-19

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10043

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	0.015	JP
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.024	
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	0.011	JP
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	0.99	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.

I1MW3-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-19

Sample wt/vol: 1010 (g/mL) mL Lab File ID: SIG10043

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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.

I1KMW-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10044

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/25/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/15/96

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	U
319-85-7	beta-BHC	0.021	U
319-86-8	delta-BHC	0.021	U
58-89-9	gamma-BHC	0.024	P
76-44-8	Heptachlor	0.021	U
309-00-2	Aldrin	0.021	U
1024-57-3	Heptachlor epoxide	0.021	U
959-98-8	Endosulfan I	0.013	JP
60-57-1	Dieldrin	0.042	U
72-55-9	4,4'-DDE	0.042	U
72-20-8	Endrin	0.042	U
33213-65-9	Endosulfan II	0.042	U
72-54-8	4,4'-DDD	0.042	U
1031-07-8	Endosulfan sulfate	0.042	U
50-29-3	4,4'-DDT	0.042	U
72-43-5	Methoxychlor	0.21	U
7421-93-4	Endrin aldehyde	0.042	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.13	U
11104-28-2	Aroclor-1221	0.13	U
1114-16-5	Aroclor-1232	0.13	U
53469-21-9	Aroclor-1242	0.13	U
12672-29-6	Aroclor-1248	0.13	U
11097-69-1	Aroclor-1254	0.13	U
11096-82-5	Aroclor-1260	0.13	U
57-74-9	Chlordane	0.26	U
298-02-2	Phorate	0.052	U
298-00-0	Parathion, methyl	0.052	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1KMW-02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-20

Sample wt/vol: 1000 (g/mL) mL Lab File ID: SIG10044

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/14/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/25/96

Concentrated Extract Volume: 500(mL) Date Analyzed: 10/15/96

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	0.052	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: PEST-33

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/02/96

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	0.020	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	0.99	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.

I1MW-6

ab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69266W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609266-14

Sample wt/vol: 1010 (g/mL) mL Lab File ID: PEST-33

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/13/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 500(uL) Date Analyzed: 10/02/96

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	0.050	U

FORM I PEST

3/90

METALS DATA

CASE NARRATIVE
SDG 69266W
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
I7MW-1	9609266-01
I7MW7-2	9609266-02
I7MW7-4	9609266-03
I7MW7-10	9609266-04
I7MW7-5	9609266-05
I7MW7-6	9609266-06
I7MW7-3	9609266-07
I7DPGW	9609266-08
I7KWM-12	9609266-09
I7MW7-1	9609266-10
I1MW1-1	9609266-11
I1KMW-03	9609266-12
I1MW-3	9609266-13
I1MW-6	9609266-14
I1MW-1	9609266-15
I1DPGW	9609266-16
I1MW1-2	9609266-17
I1MW-5	9609266-18
I1MW3-1	9609266-19
I1KMW-02	9609266-20
Blank	QC387161 - Trace QC387516 - Hg
Laboratory Control Sample (LCS)	QC387162 - Trace QC387519 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC387162- Trace QC387520 - Hg
I7MW7-1 Matrix Spike (MS)	QC387164 - Trace QC387517 - Hg
I7MW7-1 Duplicate (Dup)	QC387165 - Trace QC387518 - Hg

Instrument Calibration

All initial and continuing instrument calibration criteria established in the methodology were met for the analysis.

Holding Times

All samples were analyzed within the technical holding times.

Blank Analysis

Aluminum, barium, beryllium, cadmium, calcium, copper, iron, silver, thallium, and zinc were detected in the method blank at levels greater than the instrument detection limit (IDL), but lower than the contract requireed detection limit (CRDL).

Spike and Duplicate Analysis

Three "N" flags resulted from the matrix spike analysis of antimony, thallium, and cyanide One "*" flag resulted from the duplicate analysis of potassium. 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

Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc were analyzed at a 2x dilution for all samples due to high levels of sodium, calcium, and magnesium. All sample results for calcium, magnesium, sodium, and potassium reflect a 20x dilution.

There were no dilutions required for the Mercury or Cyanide analyses.

Additional Comments

Five "E" flags resulted from the serial dilution analysis of calcium, iron, lead, magnesium, and zinc. A matrix interference from high calcium concentrations is suspected.

The Total Cyanide concentration was less than the RDL, therefore, a non-detect is reported for chlorination.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7MW-1

ıaL .me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-01

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	35.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	446000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.7	B		P
7439-89-6	Iron____	164	B		P
7439-92-1	Lead____	4.0	B		P
7439-95-4	Magnesium	1420000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	424000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.3	B		P
7440-23-5	Sodium___	10200000			P
7440-28-0	Thallium_	9.9	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEARL Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7MW7-2

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

Matrix (soil/water): WATER Lab Sample ID: 9609266-02

Level (low/med): LOW__ Date Received: 09/12/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	51.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	372000			P
7440-47-3	Chromium_	2.7	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	15.0	B		P
7439-89-6	Iron____	4.0	U		P
7439-92-1	Lead____	3.0	U		P
7439-95-4	Magnesium	1160000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.11	B		AV
7440-02-0	Nickel___	8.1	B		P
7440-09-7	Potassium	356000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	4.5	B		P
7440-23-5	Sodium___	8420000			P
7440-28-0	Thallium_	6.1	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

Color Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

Color After: COLRLES__ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7MW7-4

ıa. .me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

latrix (soil/water): WATER Lab Sample ID: 9609266-03

ıevel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	102	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	368000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.5	B		P
7439-89-6	Iron____	4.0	U		P
7439-92-1	Lead____	3.9	B		P
7439-95-4	Magnesium	826000			P
7439-96-5	Manganese	18.5	B		P
7439-97-6	Mercury__	0.39			AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	256000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.5	B		P
7440-23-5	Sodium___	5960000			P
7440-28-0	Thallium_	4.4	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

ːolor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

ːolor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

ːomments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7MW7-10

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-04

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	16.2	B	N	P
7440-38-2	Arsenic__	4.3	B		P
7440-39-3	Barium___	52.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	1.4	B		P
7440-70-2	Calcium__	422000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	21.5	B		P
7439-89-6	Iron_____	4.0	U		P
7439-92-1	Lead_____	4.5	B		P
7439-95-4	Magnesium	1220000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.11	B		AV
7440-02-0	Nickel___	29.3	B		P
7440-09-7	Potassium	372000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.9	B		P
7440-23-5	Sodium___	8840000			P
7440-28-0	Thallium_	5.9	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	120			P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEARE Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7MW7-5

ab ame: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-05

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	B	N	P
7440-38-2	Arsenic	16.7	B		P
7440-39-3	Barium	27.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	436000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	5.6	B		P
7439-89-6	Iron	193	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	1430000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	482000		*	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.4	B		P
7440-23-5	Sodium	10200000			P
7440-28-0	Thallium	6.3	B	N	P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	4.7	B	N	AS

Color Before: YELLOW___ Clarity Before: OPAQUE Texture: _____

Color After: YELLOW___ Clarity After: OPAQUE Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7MW7-6

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

Matrix (soil/water): WATER Lab Sample ID: 9609266-06

Level (low/med): LOW__ Date Received: 09/12/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	84.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	358000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	8.4	B		P
7439-92-1	Lead_____	3.9	B		P
7439-95-4	Magnesium	834000			P
7439-96-5	Manganese	31.5			P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	244000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	5940000			P
7440-28-0	Thallium_	4.0	U	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
74-90-8__	Cyanide__	3.1	B	N	AS

Color Before: YELLOW___ Clarity Before: OPAQUE Texture: _____

Color After: YELLOW___ Clarity After: OPAQUE Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7MW7-3

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

Matrix (soil/water): WATER Lab Sample ID: 9609266-07

Level (low/med): LOW__ Date Received: 09/12/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	5.2	B	N	P
7440-38-2	Arsenic__	57.8			P
7440-39-3	Barium___	44.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	446000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron____	4.0	U		P
7439-92-1	Lead____	3.8	B		P
7439-95-4	Magnesium	1270000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.18	B		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	394000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	9400000			P
7440-28-0	Thallium_	5.4	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	8.9	B	N	AS

Color Before: YELLOW___ Clarity Before: OPAQUE Texture: _____

Color After: YELLOW___ Clarity After: OPAQUE Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7DPGW

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-08

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	36.2			P
7440-39-3	Barium__	50.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	1.1	B		P
7440-70-2	Calcium__	430000			P
7440-47-3	Chromium_	3.6	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron____	34.5	B		P
7439-92-1	Lead____	3.0	U		P
7439-95-4	Magnesium	1170000			P
7439-96-5	Manganese	8.0	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	356000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.2	B		P
7440-23-5	Sodium___	8560000			P
7440-28-0	Thallium_	8.1	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	4.7	B	N	AS

olor Before: YELLOW___ Clarity Before: OPAQUE Texture: _____

olor After: YELLOW___ Clarity After: OPAQUE Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7KWM-12

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

Matrix (soil/water): WATER Lab Sample ID: 9609266-09

Level (low/med): LOW__ Date Received: 09/12/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	168	B		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	47.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	524000			P
7440-47-3	Chromium_	3.0	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	32.3	B		P
7439-89-6	Iron_____	1400			P
7439-92-1	Lead_____	35.3			P
7439-95-4	Magnesium	1170000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	356000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	8540000			P
7440-28-0	Thallium_	7.0	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	107			P
74-90-8__	Cyanide__	1.4	U	N	AS

Color Before: GREY_____ Clarity Before: CLOUDY Texture: _____

Color After: COLRLESS_ Clarity After: CLOUDY Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I7MW7-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

Matrix (soil/water): WATER Lab Sample ID: 9609266-10

Level (low/med): LOW__ Date Received: 09/12/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	5.4	B	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	149	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	332000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	39.6	B		P
7439-89-6	Iron_____	36.6	B		P
7439-92-1	Lead_____	3.0	U		P
7439-95-4	Magnesium	864000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	6.7	B		P
7440-09-7	Potassium	25800		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	6280000			P
7440-28-0	Thallium_	5.7	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	54.6			P
74-90-8__	Cyanide__	1.4	U	N	AS

Color Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

Color After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1MW1-1

ab me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-11

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	44.3	B	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	14.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	242000			P
7440-47-3	Chromium_	9.6	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron____	4.0	U		P
7439-92-1	Lead____	4.0	B		P
7439-95-4	Magnesium	31000			P
7439-96-5	Manganese	28.7	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	96200	B	*	P
7782-49-2	Selenium_	54.6			P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	9420000			P
7440-28-0	Thallium_	4.0	U	N	P
7440-62-2	Vanadium_	9.3	B		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEARL Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1KMW-03

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

Matrix (soil/water): WATER Lab Sample ID: 9609266-12

Level (low/med): LOW__ Date Received: 09/12/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	12.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	248000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	80.5	B		P
7439-92-1	Lead_____	3.0	U		P
7439-95-4	Magnesium	502000			P
7439-96-5	Manganese	3.4	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	157000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	3520000			P
7440-28-0	Thallium_	5.7	B	N	P
7440-62-2	Vanadium_	15.7	B		P
7440-66-6	Zinc_____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

Color Before: COLRLESS_ Clarity Before: CLESRL Texture: _____

Color After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1MW-3

a. me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-13

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	5.6	B	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	40.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	191000			P
7440-47-3	Chromium	12.6	B		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	51.4	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	480000			P
7439-96-5	Manganese	137			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	151000		*	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	3340000			P
7440-28-0	Thallium	6.0	B	N	P
7440-62-2	Vanadium	2.0	B		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1MW-6

ıa. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

latrix (soil/water): WATER Lab Sample ID: 9609266-14

ıevel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	9.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	92800	B		P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	4.0	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	101000			P
7439-96-5	Manganese	3.2	B		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	35400	B	*	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	366000			P
7440-28-0	Thallium	4.0	U	N	P
7440-62-2	Vanadium	3.4	B		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

ːolor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

ːolor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

ːomments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1MW-1

ıa. .me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

latrix (soil/water): WATER Lab Sample ID: 9609266-15

ıevel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	34.3	B	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	19.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	106000			P
7440-47-3	Chromium	9.1	B		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	61.1			P
7439-89-6	Iron	291			P
7439-92-1	Lead	4.6	B		P
7439-95-4	Magnesium	84200	B		P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	29200	B	*	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	442000			P
7440-28-0	Thallium	4.0	U	N	P
7440-62-2	Vanadium	3.6	B		P
7440-66-6	Zinc	31.8	B		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1DPGW

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-16

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	10.1	B	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	67.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	280000			P
7440-47-3	Chromium_	2.6	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	59.8			P
7439-89-6	Iron_____	77.2	B		P
7439-92-1	Lead_____	5.4	B		P
7439-95-4	Magnesium	666000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	12.0	B		P
7440-09-7	Potassium	208000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.6	B		P
7440-23-5	Sodium___	4760000			P
7440-28-0	Thallium_	5.7	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	80.6			P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1MW1-2

ıab ıme: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

ıatrix (soil/water): WATER Lab Sample ID: 9609266-17

ıevel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium__	50.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	204000			P
7440-47-3	Chromium_	2.1	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	16.8	B		P
7439-89-6	Iron____	62.4	B		P
7439-92-1	Lead____	3.0	U		P
7439-95-4	Magnesium	568000			P
7439-96-5	Manganese	5.5	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	186000		*	P
7782-49-2	Selenium_	4.7	B		P
7440-22-4	Silver___	2.2	B		P
7440-23-5	Sodium___	4000000			P
7440-28-0	Thallium_	8.1	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	52.2			P
74-90-8__	Cyanide__	1.4	U	N	AS

Color Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

Color After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1MW-5

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-18

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.3	B		P
7440-39-3	Barium___	36.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	330000			P
7440-47-3	Chromium_	2.4	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	4.0	U		P
7439-92-1	Lead_____	3.0	U		P
7439-95-4	Magnesium	1120000			P
7439-96-5	Manganese	25.7	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	356000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	8320000			P
7440-28-0	Thallium_	7.5	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1MW3-1

a. .me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-19

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	155	B		P
7440-36-0	Antimony	9.1	B	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	64.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	278000			P
7440-47-3	Chromium	6.5	B		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	88.4			P
7439-89-6	Iron	391			P
7439-92-1	Lead	18.9			P
7439-95-4	Magnesium	686000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.43			AV
7440-02-0	Nickel	10.2	B		P
7440-09-7	Potassium	208000		*	P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	3.9	B		P
7440-23-5	Sodium	4740000			P
7440-28-0	Thallium	5.1	B	N	P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	96.2			P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1KMW-02

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69266W

atrix (soil/water): WATER Lab Sample ID: 9609266-20

evel (low/med): LOW__ Date Received: 09/12/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium__	38.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	360000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	30.1	B		P
7439-92-1	Lead_____	4.5	B		P
7439-95-4	Magnesium	928000			P
7439-96-5	Manganese	31.3			P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	304000		*	P
7782-49-2	Selenium_	4.0	U		P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	6980000			P
7440-28-0	Thallium_	7.5	B	N	P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

GENERAL CASE NARRATIVE

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

October 27, 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 September 16 and September 18 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
I1KWM-01	9609285-01
ABSW-4	9609285-02
ABSW-7	9609285-03
ABSW-9	9609285-04
ABSW-2	9609285-05
ABSW-1	9609285-06
ABSW-3	9609285-07
ABSW-5	9609285-08
ABSW-8	9609285-09
S4SW-1	9609285-10
S4SW-2	9609285-11
S4SW-3	9609285-12
S4DPSW	9609285-13
S4SW-4	9609285-14

TB03-091696	9609285-15
I1MW-7	9609285-16
I1DPGW-2	9609285-17
B4SW	9609285-18
B5SW	9609285-19
TB04-091796	9609285-20

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, and Nonconformance Reports. The analytical sections contain the following information: case narrative, forms, LCS control charts, MDLs, raw data, and hardcopy electronic data deliverable.

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.

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178

Printed on recycled paper.

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:hali00396.102796

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(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 69285W
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
I1KWM-01	9609285-01
ABSW-4	9609285-02
ABSW-7	9609285-03
ABSW-9	9609285-04
ABSW-2	9609285-05
ABSW-1	9609285-06
ABSW-3	9609285-07
ABSW-5	9609285-08
ABSW-8	9609285-09
I1MW-7	9609285-16
I1DPGW-2	9609285-17
B4SW	9609285-18
B5SW	9609285-19
Blank	QC387567
Laboratory Control Sample (LCS)	QC387568
Laboratory Control Sample Duplicate (LCSD)	QC387569
I1MW-7 Matrix Spike (MS)	QC387570
I1MW-7 Matrix Spike Duplicate (MSD)	QC387571

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 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).

1813

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.

1814

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387567

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

HBLK01MS

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387568

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.78	
95-76-5	2,4,5-T	0.81	
93-72-1	2,4,5-TP	0.84	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MSD

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387569

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 005R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/19/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.84	
95-76-5	2,4,5-T	0.84	
93-72-1	2,4,5-TP	0.86	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-7MS

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387570

Sample wt/vol: 1035 (g/mL) mL Lab File ID: 006R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.76	
95-76-5	2,4,5-T	0.80	
93-72-1	2,4,5-TP	0.83	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-7MSD

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387571

Sample wt/vol: 1035 (g/mL) mL Lab File ID: 007R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.73	
95-76-5	2,4,5-T	0.79	
93-72-1	2,4,5-TP	0.86	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1KWM-01

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-01

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 014R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

ABSW-4

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-02

Sample wt/vol: 920 (g/mL) mL Lab File ID: 015R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.11	U
95-76-5	2,4,5-T	0.11	U
93-72-1	2,4,5-TP	0.11	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-7

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-03

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 016R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

ABSW-9

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-04

Sample wt/vol: 920 (g/mL) mL Lab File ID: 017R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.11	U
95-76-5	2,4,5-T	0.11	U
93-72-1	2,4,5-TP	0.11	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-2

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-05

Sample wt/vol: 1010 (g/mL) mL Lab File ID: 018R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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	0.099	U
95-76-5	2,4,5-T	0.099	U
93-72-1	2,4,5-TP	0.099	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-1

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-06

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 019R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

ABSW-3

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-07

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 020R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

ABSW-5

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-08

Sample wt/vol: 1030 (g/mL) mL Lab File ID: 021R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

ABSW-8

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 022R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

I1MW-7

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-16

Sample wt/vol: 1035 (g/mL) mL Lab File ID: 023R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

I1DPGW-2

Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-17

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

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

B4SW

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-18

Sample wt/vol: 1035 (g/mL) mL Lab File ID: 026R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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.

B5SW

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-19

Sample wt/vol: 1040 (g/mL) mL Lab File ID: 027R0101

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/19/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 09/26/96

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 69285W
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
I1KWM-01	9609285-01
ABSW-4	9609285-02
ABSW-7	9609285-03
ABSW-9	9609285-04
ABSW-2	9609285-05
ABSW-1	9609285-06
ABSW-3	9609285-07
ABSW-5	9609285-08
ABSW-8	9609285-09
I1MW-7	9609285-16
I1DPGW-2	9609285-17
B4SW	9609285-18
B5SW	9609285-19
Blank	QC387262
Laboratory Control Sample (LCS)	QC387263
Laboratory Control Sample Duplicate (LCSD)	QC387264
I1MW-7 Matrix Spike (MS)	QC387267
I1MW-7 Matrix Spike Duplicate (MSD)	QC387268

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

All samples met surrogate recovery acceptance criteria.

Blank Analysis

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

Spike Analysis

The MS met quality control criteria for recoveries. However, the MSD did not meet relative percent difference (RPD) criteria for PCB-1260. The LCSD can be used to demonstrate precision.

Laboratory Control Samples

The LCS and LCSD met quality control criteria for recoveries and RPD.

Dilutions

The samples were analyzed undiluted.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387262

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-23

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	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.

PBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387262

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-23

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387263

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-24

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	U
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.093	
76-44-8	Heptachlor	0.079	
309-00-2	Aldrin	0.066	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.18	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.19	
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	0.20	
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	0.56	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.

PBLK01MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387263

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-24

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387264

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-25

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	U
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.10	
76-44-8	Heptachlor	0.093	
309-00-2	Aldrin	0.082	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.21	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.21	P
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	0.24	
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	0.56	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.

PBLK01MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387264

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-25

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-7MS

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387267

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-28

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	U
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.12	
76-44-8	Heptachlor	0.10	
309-00-2	Aldrin	0.085	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.23	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.24	
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	0.26	
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	0.70	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.

I1MW-7MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387267

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-28

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-7MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387268

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-30

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	U
319-85-7	beta-BHC	0.020	U
319-86-8	delta-BHC	0.020	U
58-89-9	gamma-BHC	0.11	
76-44-8	Heptachlor	0.098	
309-00-2	Aldrin	0.077	
1024-57-3	Heptachlor epoxide	0.020	U
959-98-8	Endosulfan I	0.020	U
60-57-1	Dieldrin	0.22	
72-55-9	4,4'-DDE	0.040	U
72-20-8	Endrin	0.23	
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	0.24	
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	1.1	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.

I1MW-7MSD

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387268

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-30

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.050	U

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1KWM-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-01

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-34

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	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	0.011	J
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.

I1KWM-01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-01

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-34

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-4

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-02

Sample wt/vol: 970 (g/mL) mL Lab File ID: PEST-35

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.021	U
319-85-7	beta-BHC	0.021	U
319-86-8	delta-BHC	0.021	U
58-89-9	gamma-BHC	0.021	U
76-44-8	Heptachlor	0.021	U
309-00-2	Aldrin	0.021	U
1024-57-3	Heptachlor epoxide	0.021	U
959-98-8	Endosulfan I	0.021	U
60-57-1	Dieldrin	0.041	U
72-55-9	4,4'-DDE	0.041	U
72-20-8	Endrin	0.041	U
33213-65-9	Endosulfan II	0.041	U
72-54-8	4,4'-DDD	0.041	U
1031-07-8	Endosulfan sulfate	0.041	U
50-29-3	4,4'-DDT	0.041	U
72-43-5	Methoxychlor	0.21	U
7421-93-4	Endrin aldehyde	0.041	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.13	U
11104-28-2	Aroclor-1221	0.13	U
1114-16-5	Aroclor-1232	0.13	U
53469-21-9	Aroclor-1242	0.13	U
12672-29-6	Aroclor-1248	0.13	U
11097-69-1	Aroclor-1254	0.13	U
11096-82-5	Aroclor-1260	0.13	U
57-74-9	Chlordane	0.26	U
298-02-2	Phorate	0.052	U
298-00-0	Parathion, methyl	0.052	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-4

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-02

Sample wt/vol: 970 (g/mL) mL Lab File ID: PEST-35

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.052	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-7

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-03

Sample wt/vol: 985 (g/mL) mL Lab File ID: PEST-36

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	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	0.041	U
72-55-9	4,4'-DDE	0.041	U
72-20-8	Endrin	0.041	U
33213-65-9	Endosulfan II	0.041	U
72-54-8	4,4'-DDD	0.041	U
1031-07-8	Endosulfan sulfate	0.041	U
50-29-3	4,4'-DDT	0.041	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.041	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.13	U
11104-28-2	Aroclor-1221	0.13	U
1114-16-5	Aroclor-1232	0.13	U
53469-21-9	Aroclor-1242	0.13	U
12672-29-6	Aroclor-1248	0.13	U
11097-69-1	Aroclor-1254	0.13	U
11096-82-5	Aroclor-1260	0.13	U
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.051	U
298-00-0	Parathion, methyl	0.051	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-7

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-03

Sample wt/vol: 985 (g/mL) mL Lab File ID: PEST-36

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.051	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-9

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-04

Sample wt/vol: 985 (g/mL) mL Lab File ID: PEST-37

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	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	0.041	U
72-55-9	4,4'-DDE	0.041	U
72-20-8	Endrin	0.041	U
33213-65-9	Endosulfan II	0.041	U
72-54-8	4,4'-DDD	0.041	U
1031-07-8	Endosulfan sulfate	0.041	U
50-29-3	4,4'-DDT	0.041	U
72-43-5	Methoxychlor	0.20	U
7421-93-4	Endrin aldehyde	0.041	U
8001-35-2	Toxaphene	1.0	U
12674-11-2	Aroclor-1016	0.13	U
11104-28-2	Aroclor-1221	0.13	U
1114-16-5	Aroclor-1232	0.13	U
53469-21-9	Aroclor-1242	0.13	U
12672-29-6	Aroclor-1248	0.13	U
11097-69-1	Aroclor-1254	0.13	U
11096-82-5	Aroclor-1260	0.13	U
57-74-9	Chlordane	0.25	U
298-02-2	Phorate	0.051	U
298-00-0	Parathion, methyl	0.051	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-9

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-04

Sample wt/vol: 985 (g/mL) mL Lab File ID: PEST-37

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.051	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-38

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	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.

ABSW-2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-05

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-38

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/16/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-06

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-39

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.020	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.

ABSW-1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-06

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-39

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/02/96

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	0.050	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-3

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-07

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-20

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.020	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.

ABSW-3

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-07

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-20

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSW-5

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-08

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-21

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.020	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.

ABSW-5

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-08

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-21

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.050	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA

AL

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6928

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-22

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.020	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.

ABSW-8

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-09

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-22

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1MW-7

Name: GENERAL ENGINEERING LABOR Contract:

La. Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-16

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-23

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.020	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.

I1DPGW-2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-17

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-24

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.020	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.

I1DPGW-2

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-17

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-24

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/14/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.050	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SW

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-18

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-25

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.020	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.

B5SW

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-19

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-26

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.020	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.

B5SW

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-19

Sample wt/vol: 1000 (g/mL) mL Lab File ID: PEST-26

% Moisture: _____ decanted: (Y/N)___ Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/18/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/15/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) 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	0.050	U

FORM I PEST 3/90

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 69285W
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
S4SW-1	9609285-10
S4SW-2	9609285-11
S4SW-3	9609285-12
S4DPSW	9609285-13
S4SW-4	9609285-14
B4SW	9609285-18
B5SW	9609285-19
Blank	QC387562/393895
Laboratory Control Sample (LCS)	QC387563/393900
Laboratory Control Sample Duplicate (LCSD)	QC387564/393901
S4SW-3 Matrix Spike (MS)	QC387565
S4SW-3 Matrix Spike Duplicate (MSD)	QC387566

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. Note, there are several compounds on the initial calibration form that have no response factors. Those compounds are single-pointed client specific compounds, rather than multipointed target compounds.

Holding Times

All samples were analyzed within the technical holding times.

Surrogate Analysis

Samples S4SW-1 and S4SW-2 did not meet acceptance criteria for surrogates, . There was insufficient volume of sample S4SW-1 to perform a re-extraction, so the original data was reported. Sample S4SW-2 was re-extracted and passed surrogate recovery. However, the sample was re-extracted out of holding. A nonconformance report (GEL-AS-OA-2422) was generated and is included in the package.

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 did not meet quality control criteria for recoveries, due to matrix interference. However, the MSD met relative percent difference (RPD) criteria. The LCS and LCSD can be used to demonstrate accuracy and precision.

Laboratory Control Samples

The LCS and LCSD samples met quality control criteria for recoveries and relative percent difference (RPD). The limits are generated by Statistical Process Control (SPC).

Dilutions

The samples were analyzed undiluted.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387562

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M107

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387562

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M107

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387562

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M107

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387562

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M107

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
3689-24-5	sulfotepp	10.0	U
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.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387563

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M108

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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	45.0	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	82.7	
62-53-3	aniline	10.0	U
108-95-2	phenol	41.7	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	66.8	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	35.1	
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
108-60-1	bis(2-chloroisopropyl)ether	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	35.8	
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	38.4	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	73.2	
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387563

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M108

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
91-58-7	2-chloronaphthalene	10.0	U
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	42.3	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	38.6	
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	40.2	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387563

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M108

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MS

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387563

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M108

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
3689-24-5	sulfotepp	10.0	U
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.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387564

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M109

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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	42.4	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	82.0	
62-53-3	aniline	10.0	U
108-95-2	phenol	41.8	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	64.1	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	33.3	
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
108-60-1	bis(2-chloroisopropyl)ether	10.0	U
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	34.1	
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	37.8	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	73.7	
91-57-6	2-methylnaphthalene	10.0	U
77-47-4	hexachlorocyclopentadiene	10.0	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387564

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M109

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
91-58-7	2-chloronaphthalene	10.0	U
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	39.8	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	38.3	
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	38.9	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387564

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M109

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01MSD

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387564

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M109

Level: (low/med) LOW Date Received: 09/19/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
3689-24-5	sulfotepp	10.0	U
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.

SBLK02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393895

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P507

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

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

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393895

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P507

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

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	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.

SBLK02

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393895

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P507

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/15/96

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 LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393895

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P507

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

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

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393900

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P508

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

Concentrated Extract Volume: 0.48(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	9.6	U
95-48-7	2-methylphenol	9.6	U
106-44-5	4-methylphenol	9.6	U
67-72-1	hexachloroethane	9.6	U
98-95-3	nitrobenzene	9.6	U
87-68-3	hexachlorobutadiene	9.6	U
88-06-2	2,4,6-trichlorophenol	9.6	U
95-95-4	2,4,5-trichlorophenol	9.6	U
121-14-2	2,4-dinitrotoluene	44.0	
118-74-1	hexachlorobenzene	9.6	U
87-86-5	pentachlorophenol	100	
62-53-3	aniline	9.6	U
108-95-2	phenol	55.7	
111-44-4	bis(2-chloroethyl)ether	9.6	U
95-57-8	2-chlorophenol	85.2	
541-73-1	1,3-dichlorobenzene	9.6	U
106-46-7	1,4-dichlorobenzene	39.2	
100-51-6	benzyl alcohol	9.6	U
95-50-1	1,2-dichlorobenzene	9.6	U
98-86-2	acetophenone	9.6	U
621-64-7	N-nitroso-di-n-propylamine	47.3	
78-59-1	isophorone	9.6	U
88-75-5	2-nitrophenol	9.6	U
105-67-9	2,4-dimethylphenol	9.6	U
111-91-1	bis(2-chloroethoxy)methane	9.6	U
120-83-2	2,4-dichlorophenol	9.6	U
120-82-1	1,2,4-trichlorobenzene	42.8	
91-20-3	naphthalene	9.6	U
106-47-8	4-chloroaniline	9.6	U
59-50-7	4-chloro-3-methylphenol	90.9	
91-57-6	2-methylnaphthalene	9.6	U
77-47-4	hexachlorocyclopentadiene	9.6	U
91-58-7	2-chloronaphthalene	9.6	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393900

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P508

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

Concentrated Extract Volume: 0.48(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	9.6	U
131-11-3	dimethylphthalate	9.6	U
209-96-8	acenaphthylene	9.6	U
606-20-2	2,6-dinitrotoluene	9.6	U
99-09-2	3-nitroaniline	9.6	U
83-32-9	acenaphthene	44.6	
51-28-5	2,4-dinitrophenol	19.2	U
132-64-9	dibenzofuran	9.6	U
100-02-7	4-nitrophenol	36.2	
84-66-2	diethylphthalate	9.6	U
7005-72-3	4-chlorophenylphenylether	9.6	U
86-73-7	fluorene	9.6	U
100-01-6	4-nitroaniline	9.6	U
534-52-1	4,6-dinitro-2-methylphenol	9.6	U
86-30-6	N-nitroso-diphenylamine	9.6	U
101-55-3	4-bromophenylphenylether	9.6	U
85-01-8	phenanthrene	9.6	U
120-12-7	anthracene	9.6	U
84-74-2	di-n-butylphthalate	9.6	U
206-44-0	fluoranthene	9.6	U
129-00-0	pyrene	56.8	
85-68-7	butylbenzylphthalate	9.6	U
91-94-1	3,3'-dichlorobenzidine	48.0	U
56-55-3	benzo(a)anthracene	9.6	U
218-01-9	chrysene	9.6	U
117-81-7	bis(2-ethylhexyl)phthalate	9.6	U
117-84-0	di-n-octylphthalate	9.6	U
205-99-2	benzo(b)fluoranthene	9.6	U
207-08-9	benzo(k)fluoranthene	9.6	U
50-32-8	benzo(a)pyrene	9.6	U
193-39-5	indeno(1,2,3-cd)pyrene	9.6	U
53-70-3	dibenz(a,h)anthracene	9.6	U
191-24-2	benzo(g,h,i)perylene	9.6	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393900

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P508

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

Concentrated Extract Volume: 0.48(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	9.6	U
123-91-1	1,4-dioxane	9.6	U
80-62-6	methyl methacrylate	9.6	U
97-63-2	ethyl methacrylate	9.6	U
109-06-8	2-picoline	9.6	U
10595-95-6	n-nitrosomethylethylamine	9.6	U
66-27-3	methyl methanesulfonate	9.6	U
55-18-5	n-nitrosodiethylamine	9.6	U
62-50-0	ethyl methanesulfonate	9.6	U
76-01-7	pentachloroethane	9.6	U
930-55-2	n-nitrosopyrrolidine	9.6	U
59-89-2	n-nitrosomorpholine	9.6	U
95-53-4	o-toluidine	9.6	U
100-75-4	n-nitrosopiperdine	9.6	U
122-09-8	a,a-dimethylphenethylamine	9.6	U
126-68-1	triethylphosphorothioate	9.6	U
87-65-0	2,6-dichlorophenol	9.6	U
1888-71-7	hexachloropropene	9.6	U
106-50-3	p-phenylenediamine	19.2	U
924-16-3	n-nitroso-di-n-butylamine	9.6	U
94-59-7	safrole	9.6	U
634-90-2	1,2,4,5-tetrachlorobenzene	9.6	U
120-58-1	isosafrole	9.6	U
130-15-4	1,4-naphthoquinone	9.6	U
99-65-0	m-dinitrobenzene	9.6	U
608-93-5	pentachlorobenzene	9.6	U
134-32-7	1-naphthylamine	9.6	U
91-59-8	2-naphthylamine	9.6	U
58-90-2	2,3,4,6-tetrachlorophenol	9.6	U
99-55-8	5-nitro-o-toluidine	9.6	U
297-97-2	thionazine	9.6	U
122-39-4	diphenylamine	9.6	U
3689-24-5	sulfotepp	9.6	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393900

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P508

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

Concentrated Extract Volume: 0.48(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	48.0	U
62-44-2	phenacetin	9.6	U
2303-16-4	diallate	9.6	U
60-51-5	dimethoate	48.0	U
92-67-1	4-aminobiphenyl	9.6	U
82-68-8	pentachloronitrobenzene	9.6	U
23950-58-5	pronamide	9.6	U
88-85-7	dinoseb	9.6	U
298-04-4	disulfoton	9.6	U
56-57-5	4-nitroquinoline-1-oxide	9.6	U
135-23-9	methapyrilene	48.0	U
465-73-6	isodrin	9.6	U
140-57-8	aramite	9.6	U
143-50-0	kepone	9.6	U
60-11-7	p-(dimethylamino)azobenzene	9.6	U
510-15-6	chlorobenzilate	48.0	U
119-93-7	3,3'-dimethylbenzidine	48.0	U
52-85-7	famphur	9.6	U
53-96-3	2-acetylaminofluorene	9.6	U
57-97-6	7,12-dimethylbenz(a)anthrace	9.6	U
59-49-5	3-methylcholanthrene	9.6	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MS

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387565

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M110

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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	66.8	
106-44-5	4-methylphenol	69.2	
67-72-1	hexachloroethane	56.3	
98-95-3	nitrobenzene	61.2	
87-68-3	hexachlorobutadiene	62.2	
88-06-2	2,4,6-trichlorophenol	14.3	
95-95-4	2,4,5-trichlorophenol	33.3	
121-14-2	2,4-dinitrotoluene	70.5	
118-74-1	hexachlorobenzene	62.3	
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	66.1	
108-95-2	phenol	44.2	
111-44-4	bis(2-chloroethyl)ether	64.0	
95-57-8	2-chlorophenol	52.8	
541-73-1	1,3-dichlorobenzene	57.8	
106-46-7	1,4-dichlorobenzene	60.3	
100-51-6	benzyl alcohol	69.5	
95-50-1	1,2-dichlorobenzene	58.3	
108-60-1	bis(2-chloroisopropyl)ether	50.6	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	64.0	
78-59-1	isophorone	60.4	
88-75-5	2-nitrophenol	51.0	
105-67-9	2,4-dimethylphenol	61.4	
111-91-1	bis(2-chloroethoxy)methane	64.7	
120-83-2	2,4-dichlorophenol	54.0	
120-82-1	1,2,4-trichlorobenzene	61.2	
91-20-3	naphthalene	58.0	
106-47-8	4-chloroaniline	79.6	
59-50-7	4-chloro-3-methylphenol	68.8	
91-57-6	2-methylnaphthalene	63.4	
77-47-4	hexachlorocyclopentadiene	49.4	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387565

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M110

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
91-58-7	2-chloronaphthalene	57.9	
88-74-4	2-nitroaniline	69.2	
131-11-3	dimethylphthalate	66.4	
209-96-8	acenaphthylene	58.3	
606-20-2	2,6-dinitrotoluene	64.3	
99-09-2	3-nitroaniline	88.2	
83-32-9	acenaphthene	57.7	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	66.2	
100-02-7	4-nitrophenol	8.3	J
84-66-2	diethylphthalate	63.0	
7005-72-3	4-chlorophenylphenylether	74.1	
86-73-7	fluorene	71.2	
100-01-6	4-nitroaniline	79.9	
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	58.4	
101-55-3	4-bromophenylphenylether	70.1	
85-01-8	phenanthrene	61.9	
120-12-7	anthracene	62.5	
84-74-2	di-n-butylphthalate	74.1	
206-44-0	fluoranthene	60.0	
129-00-0	pyrene	56.8	
85-68-7	butylbenzylphthalate	57.2	
91-94-1	3,3'-dichlorobenzidine	97.1	
56-55-3	benzo(a)anthracene	56.7	
218-01-9	chrysene	64.4	
117-81-7	bis(2-ethylhexyl)phthalate	61.6	
117-84-0	di-n-octylphthalate	59.4	
205-99-2	benzo(b)fluoranthene	57.8	
207-08-9	benzo(k)fluoranthene	60.1	
50-32-8	benzo(a)pyrene	60.0	
193-39-5	indeno(1,2,3-cd)pyrene	61.9	
53-70-3	dibenz(a,h)anthracene	65.8	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MS

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387565

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M110

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
191-24-2	benzo(g,h,i)perylene	57.5	
62-75-9	N-methyl-N-nitrosomethylamin	53.9	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MS

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387565

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M110

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
3689-24-5	sulfotepp	10.0	U
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.

S4SW-3MSD

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387566

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M111

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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	64.4	
106-44-5	4-methylphenol	67.4	
67-72-1	hexachloroethane	64.4	
98-95-3	nitrobenzene	66.7	
87-68-3	hexachlorobutadiene	72.6	
88-06-2	2,4,6-trichlorophenol	17.0	
95-95-4	2,4,5-trichlorophenol	39.6	
121-14-2	2,4-dinitrotoluene	79.1	
118-74-1	hexachlorobenzene	75.0	
87-86-5	pentachlorophenol	10.0	U
62-53-3	aniline	66.3	
108-95-2	phenol	46.4	
111-44-4	bis(2-chloroethyl)ether	64.3	
95-57-8	2-chlorophenol	51.8	
541-73-1	1,3-dichlorobenzene	62.2	
106-46-7	1,4-dichlorobenzene	66.6	
100-51-6	benzyl alcohol	68.9	
95-50-1	1,2-dichlorobenzene	64.3	
108-60-1	bis(2-chloroisopropyl)ether	56.4	
98-86-2	acetophenone	10.0	U
621-64-7	N-nitroso-di-n-propylamine	67.9	
78-59-1	isophorone	66.1	
88-75-5	2-nitrophenol	51.1	
105-67-9	2,4-dimethylphenol	63.9	
111-91-1	bis(2-chloroethoxy)methane	68.4	
120-83-2	2,4-dichlorophenol	55.0	
120-82-1	1,2,4-trichlorobenzene	68.6	
91-20-3	naphthalene	68.1	
106-47-8	4-chloroaniline	78.6	
59-50-7	4-chloro-3-methylphenol	70.9	
91-57-6	2-methylnaphthalene	73.8	
77-47-4	hexachlorocyclopentadiene	57.7	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MSD

b. Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387566

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M111

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
91-58-7	2-chloronaphthalene	72.4	
88-74-4	2-nitroaniline	77.2	
131-11-3	dimethylphthalate	78.1	
209-96-8	acenaphthylene	72.5	
606-20-2	2,6-dinitrotoluene	78.3	
99-09-2	3-nitroaniline	93.7	
83-32-9	acenaphthene	74.1	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	84.2	
100-02-7	4-nitrophenol	10.1	J
84-66-2	diethylphthalate	78.8	
7005-72-3	4-chlorophenylphenylether	90.4	
86-73-7	fluorene	88.5	
100-01-6	4-nitroaniline	87.0	
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	76.0	
101-55-3	4-bromophenylphenylether	86.4	
85-01-8	phenanthrene	80.2	
120-12-7	anthracene	80.3	
84-74-2	di-n-butylphthalate	94.5	
206-44-0	fluoranthene	70.6	
129-00-0	pyrene	71.7	
85-68-7	butylbenzylphthalate	74.4	
91-94-1	3,3'-dichlorobenzidine	109	
56-55-3	benzo(a)anthracene	71.9	
218-01-9	chrysene	72.5	
117-81-7	bis(2-ethylhexyl)phthalate	81.4	
117-84-0	di-n-octylphthalate	82.8	
205-99-2	benzo(b)fluoranthene	71.4	
207-08-9	benzo(k)fluoranthene	82.6	
50-32-8	benzo(a)pyrene	76.2	
193-39-5	indeno(1,2,3-cd)pyrene	70.4	
53-70-3	dibenz(a,h)anthracene	76.0	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MSD

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387566

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M111

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
191-24-2	benzo(g,h,i)perylene	66.1	
62-75-9	N-methyl-N-nitrosomethylamin	53.6	
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MSD

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC387566

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M111

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
3689-24-5	sulfotepp	10.0	U
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.

S4SW-1

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M114

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-1

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M114

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-1

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M114

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-10

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M114

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
3689-24-5	sulfotepp	10.0	U
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.

S4SW-2

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M115

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

61b

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-2

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M115

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-2

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M115

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

618

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-2

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-11

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M115

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/23/96

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
3689-24-5	sulfotepp	10.0	U
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.

S4SW-3

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M116

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M116

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M116

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-12

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M116

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
3689-24-5	sulfotepp	10.0	U
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.

S4DPSW

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M117

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4DPSW

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M117

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

625

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4DPSW

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M117

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4DPSW

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-13

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M117

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
3689-24-5	sulfotepp	10.0	U
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.

S4SW-4

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M118

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
108-60-1	bis(2-chloroisopropyl)ether	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-4

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M118

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
91-58-7	2-chloronaphthalene	10.0	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-4

b Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M118

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
191-24-2	benzo(g,h,i)perylene	10.0	U
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

630

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-4

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-14

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M118

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
3689-24-5	sulfotepp	10.0	U
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.

B4SW

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-18

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M119

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
91-57-6	2-methylnaphthalene	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
90-12-0	1-methylnaphthalene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SW

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609285-19

Sample wt/vol: 500 (g/mL) mL Lab File ID: 2M120

Level: (low/med) LOW Date Received: 09/~~18~~ 18/96 VSD 10/26/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 09/19/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 09/24/96

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
91-57-6	2-methylnaphthalene	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
90-12-0	1-methylnaphthalene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK02MSD

h Name: GENERAL ENGINEERING LABS. Contract:

.b Code: Case No.: SAS No.: SDG No.: 69285W

trix: (soil/water) GROUNDH2O Lab Sample ID: QC393901

mple wt/vol: 500 (g/mL) mL Lab File ID: 4P509

vel: (low/med) LOW Date Received: 10/15/96

Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

ncentrated Extract Volume: 0.5(mL) Date Analyzed: 10/18/96

jection Volume: 1.0(uL) Dilution Factor: 1.0

C 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	45.3	
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	95.5	
62-53-3	aniline	10.0	U
108-95-2	phenol	55.7	
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	85.1	
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	39.6	
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	50.0	
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	43.2	
91-20-3	naphthalene	10.0	U
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	90.9	
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.

SBLK02MSD

Lab Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393901

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P509

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/15/96

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	45.4	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	38.4	
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	54.4	
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.

SBLK02MSD

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393901

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P509

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/15/96

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

ab Name: GENERAL ENGINEERING LABS. Contract:

ab Code: Case No.: SAS No.: SDG No.: 69285W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: QC393901

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4P509

Level: (low/med) LOW Date Received: 10/15/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/15/96

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

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 69285W
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
S4SW-1	9609285-10
S4SW-2	9609285-11
S4SW-3	9609285-12
S4DPSW	9609285-13
S4SW-4	9609285-14
TB03-091696	9609285-15
TB04-091796	9609285-20
Blank	QC388249
Blank	QC388253
Laboratory Control Sample (LCS)	QC388252
S4SW-3 Post Spike (PS)	QC388250
S4SW-3 Post Spike Duplicate (PSD)	QC388251

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

Samples S4SW-2, S4SW-3, and S4SW-4 did not meet surrogate recovery acceptance criteria for dibromofluoromethane. The samples were re-analyzed, but dibromofluoromethane was still outside acceptance limits for samples S4SW-3 and S4SW-4. The failure is attributed to matrix interference.

Internal Standards

The samples met internal standard recovery criteria.

Blank Analysis

Methylene chloride was detected in VBLK01 and VBLK02 at levels above the Practical Quantitation Limit (PQL). Toluene, bis(2-chloro-isopropyl)ether, trans-1,4-dichloro-2-butene, methyl methacrylate, 1,1,2,2-tetrachoroethane 4-methyl-2-pentanone, bromoform, and 1,1,2-trichloromethane were also detected in VBLK01 at levels below the PQL.

Toluene was detected in VBLK02 at a level 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 PS and PSD met quality control criteria for recovery and relative percent difference (RPD). The limits are generated by Statistical Proces Control (SPC).

Laboratory Control Samples

The LCS met quality control recovery criteria. The limits are generated by SPC.

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.

VBLK01MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388252

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B103LCS

Level: (low/med) LOW Date Received: 09/23/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	15.2	
74-83-9	bromomethane	17.3	
75-01-4	vinyl chloride	20.9	
75-00-3	chloroethane	17.8	
75-09-2	methylene chloride	22.8	B
67-64-1	acetone	25.6	
75-15-0	carbon disulfide	33.4	
75-35-4	1,1-dichloroethene	15.8	
75-34-3	1,1-dichloroethane	18.8	
156-60-5	trans-1,2-dichloroethene	19.2	
67-66-3	chloroform	19.4	
107-06-2	1,2-dichloroethane	18.7	
78-93-3	2-butanone	38.2	
71-55-6	1,1,1-trichloroethane	17.6	
56-23-5	carbon tetrachloride	18.0	
75-27-4	bromodichloromethane	20.7	
78-87-5	1,2-dichloropropane	20.6	
10061-01-5	cis-1,3-dichloropropene	20.6	
79-01-6	trichloroethene	20.6	
124-48-1	dibromochloromethane	18.0	
79-00-5	1,1,2-trichloroethane	18.6	B
71-43-2	benzene	19.3	
10061-02-6	trans-1,3-dichloropropene	18.0	
75-25-2	bromoform	18.0	B
108-10-1	4-methyl-2-pentanone	39.1	B
591-78-6	2-hexanone	19.4	
127-18-4	tetrachloroethene	11.5	
79-34-5	1,1,2,2-tetrachloroethane	19.6	B
108-88-3	toluene	19.0	B
108-90-7	chlorobenzene	18.5	
100-41-4	ethylbenzene	18.8	
100-42-5	styrene	18.3	
75-71-8	Dichlorodifluoromethane	12.9	

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.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388252

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B103LCS

Level: (low/med) LOW Date Received: 09/23/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	17.3	
107-13-1	Acrylonitrile	130	
108-05-4	Vinyl Acetate	64.0	
107-02-8	Acrolein	1410	E
74-88-4	Iodomethane	91.1	
75-05-8	Acetonitrile	54.8	
107-05-1	Allyl Chloride	55.4	
126-99-8	2-Chloro-1,3-butadiene	2.0	U
126-98-7	Methacrylonitrile	42.0	
78-83-1	Isobutyl Alcohol	91.0	
107-12-0	Propionitrile	104	
74-95-3	Dibromomethane	20.2	
80-62-6	Methyl methacrylate	51.4	B
106-93-4	1,2-Dibromoethane	19.2	
630-20-6	1,1,1,2-Tetrachloroethane	19.8	
96-18-4	1,2,3-Trichloropropane	20.2	
110-57-6	trans-1,4-Dichloro-2-butene	49.9	B
108-60-1	bis(2-Chloro-isopropyl)ether	102	B
96-12-8	1,2-dibromo-3-chloropropane	16.8	
1330-20-7	xylenes (total)	57.4	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388249

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B104

Level: (low/med) LOW Date Received: 09/23/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	3.3	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	0.23	J
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	0.35	J
108-10-1	4-methyl-2-pentanone	1.5	J
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	0.62	J
108-88-3	toluene	0.36	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: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388249

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B104

Level: (low/med) LOW Date Received: 09/23/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	1.5	J
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	1.3	J
108-60-1	bis(2-Chloro-isopropyl)ether	5.5	J
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.

S4SW-3

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B105

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	4.8	JB
67-64-1	acetone	2.6	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	3.0	B
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	0.34	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.

S4SW-3

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B105

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	2.4	
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.

S4SW-3MS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388250

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B106

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	24.7	B
67-64-1	acetone	15.3	
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	15.8	
75-34-3	1,1-dichloroethane	18.8	
156-60-5	trans-1,2-dichloroethene	18.7	
67-66-3	chloroform	19.3	
107-06-2	1,2-dichloroethane	18.2	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	17.4	
56-23-5	carbon tetrachloride	18.1	
75-27-4	bromodichloromethane	20.6	
78-87-5	1,2-dichloropropane	21.0	
10061-01-5	cis-1,3-dichloropropene	19.9	
79-01-6	trichloroethene	19.5	
124-48-1	dibromochloromethane	17.8	
79-00-5	1,1,2-trichloroethane	18.4	B
71-43-2	benzene	19.2	
10061-02-6	trans-1,3-dichloropropene	17.8	
75-25-2	bromoform	20.6	B
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	10.5	
79-34-5	1,1,2,2-tetrachloroethane	19.2	B
108-88-3	toluene	18.4	B
108-90-7	chlorobenzene	18.7	
100-41-4	ethylbenzene	24.1	
100-42-5	styrene	18.6	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388250

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B106

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	0.51	J
107-05-1	Allyl Chloride	10.0	U
126-99-8	2-Chloro-1,3-butadiene	20.3	
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	22.0	
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	18.9	
630-20-6	1,1,1,2-Tetrachloroethane	19.5	
96-18-4	1,2,3-Trichloropropane	5.4	
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	16.3	
1330-20-7	xylenes (total)	75.5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388251

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B107

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	25.1	B
67-64-1	acetone	5.8	J
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	16.6	
75-34-3	1,1-dichloroethane	20.0	
156-60-5	trans-1,2-dichloroethene	19.7	
67-66-3	chloroform	20.8	
107-06-2	1,2-dichloroethane	20.7	
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	18.8	
56-23-5	carbon tetrachloride	19.2	
75-27-4	bromodichloromethane	22.3	
78-87-5	1,2-dichloropropane	22.5	
10061-01-5	cis-1,3-dichloropropene	21.8	
79-01-6	trichloroethene	20.7	
124-48-1	dibromochloromethane	21.6	
79-00-5	1,1,2-trichloroethane	21.8	B
71-43-2	benzene	20.4	
10061-02-6	trans-1,3-dichloropropene	20.4	
75-25-2	bromoform	25.0	B
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	11.4	
79-34-5	1,1,2,2-tetrachloroethane	24.5	B
108-88-3	toluene	19.8	B
108-90-7	chlorobenzene	20.1	
100-41-4	ethylbenzene	25.4	
100-42-5	styrene	20.2	
75-71-8	Dichlorodifluoromethane	2.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-3MSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388251

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B107

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	20.2	
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	25.2	
80-62-6	Methyl methacrylate	10.0	U
106-93-4	1,2-Dibromoethane	22.8	
630-20-6	1,1,1,2-Tetrachloroethane	21.2	
96-18-4	1,2,3-Trichloropropane	9.4	
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	23.4	
1330-20-7	xylenes (total)	79.5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4SW-2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B123

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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.

S4SW-2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B123

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	8.3	B
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	0.64	JB
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	0.50	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.

S4SW-3CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B108

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	6.2	B
67-64-1	acetone	6.1	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	2.7	B
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	0.61	JB
108-88-3	toluene	0.42	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.

S4SW-3CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-12

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B108

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	2.5	
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.

TB03091696

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-15

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B111

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	5.5	B
67-64-1	acetone	20.0	
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	0.58	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.

TB03091696

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-15

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B111

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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.

TB04091796

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B116

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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	9.8	B
67-64-1	acetone	14.9	
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	0.72	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.

TB04091796

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-20

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B116

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/23/96

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.

VBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388253

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B211

Level: (low/med) LOW Date Received: 09/24/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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	6.1	
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	0.28	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.

VBLK02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388253

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B211

Level: (low/med) LOW Date Received: 09/24/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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.

S4SW-4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B125

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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	8.2	B
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	0.58	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.

S4SW-4

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B125

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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.

S4SW-1

b Name: GENERAL ENGINEERING LABOR Contract: NA

La. Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B213

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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	7.1	B
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	0.22	J
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	0.30	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.

S4SW-1

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-10

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B213

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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.

S4SW-2CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B214

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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	9.5	B
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	0.76	J
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	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.

S4SW-2CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-11

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B214

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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	0.37	J
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.

S4DPSW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B215

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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	7.3	B
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	0.24	J
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	0.31	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.

S4DPSW

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-13

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B215

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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.

S4SW-4CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B216

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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	12.0	B
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	0.42	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.

S4SW-4CF0

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-14

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1B216

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

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

GC - PID/HALL

CASE NARRATIVE
SDG 69285W
Volatile Organic Analysis by GC

Sample Analysis

The following samples were analyzed for Volatile Aromatic compounds by EPA Method 602:

Sample Description	Laboratory Identification
B4SW	9609285-18
B5SW	9609285-19
Blank	QC388833/394331
Laboratory Control Sample (LCS)	QC389107
Laboratory Control Sample Duplicate (LCSD)	QC389108
B4SW Matrix Spike (MS)	QC388834
B4SW Matrix Spike Duplicate (MSD)	QC388835

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

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

Spike Analysis

The PS and PSD 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.

THIS PAGE INTENTIONALLY LEFT BLANK

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01

b Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388833

Sample wt/vol: 10 (g/ml) ml Lab File ID: B1B23

Level: (low/med) LOW Date Received: 09/24/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

GC Column: J&W DB-624 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
71-43-2	Benzene	2.0	U
108-88-3	Toluene	2.0	U
100-41-4	Ethylbenzene	2.0	U
1330-20-7	Xylenes (total)	6.0	U
108-90-7	Chlorobenzene	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

FORM I VOA OLM03.0

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.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC389107

Sample wt/vol: 10 (g/ml) ml Lab File ID: B1B212LCS

Level: (low/med) LOW Date Received: 09/24/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

GC Column: J&W DB-624 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
71-43-2	Benzene	18.6	
108-88-3	Toluene	19.3	
100-41-4	Ethylbenzene	19.8	
1330-20-7	Xylenes (total)	61.5	
108-90-7	Chlorobenzene	17.3	
541-73-1	1,3-Dichlorobenzene	19.6	
106-46-7	1,4-Dichlorobenzene	20.1	
95-50-1	1,2-Dichlorobenzene	19.5	

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-18

Sample wt/vol: 10 (g/ml) ml Lab File ID: B1B213

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

GC Column: J&W DB-624 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
71-43-2	Benzene	2.0	U
108-88-3	Toluene	2.0	U
100-41-4	Ethylbenzene	2.0	U
1330-20-7	Xylenes (total)	6.0	U
108-90-7	Chlorobenzene	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

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SWMS

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388834

Sample wt/vol: 10 (g/ml) ml Lab File ID: B1B34

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/25/96

GC Column: J&W DB-624 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
71-43-2	Benzene	19.2	
108-88-3	Toluene	20.2	
100-41-4	Ethylbenzene	20.6	
1330-20-7	Xylenes (total)	65.1	
108-90-7	Chlorobenzene	18.9	
541-73-1	1,3-Dichlorobenzene	20.8	
106-46-7	1,4-Dichlorobenzene	21.6	
95-50-1	1,2-Dichlorobenzene	22.2	

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SWMSD

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC388835

Sample wt/vol: 10 (g/ml) ml Lab File ID: B1B214

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

GC Column: J&W DB-624 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
71-43-2	Benzene	20.6	
108-88-3	Toluene	21.4	
100-41-4	Ethylbenzene	22.1	
1330-20-7	Xylenes (total)	69.3	
108-90-7	Chlorobenzene	19.5	
541-73-1	1,3-Dichlorobenzene	22.0	
106-46-7	1,4-Dichlorobenzene	23.6	
95-50-1	1,2-Dichlorobenzene	22.6	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SW

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: 9609285-19

Sample wt/vol: 10 (g/ml) ml Lab File ID: B1B216

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. _____ Date Analyzed: 09/24/96

GC Column: J&W DB-624 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
71-43-2	Benzene	2.0	U
108-88-3	Toluene	2.0	U
100-41-4	Ethylbenzene	2.0	U
1330-20-7	Xylenes (total)	6.0	U
108-90-7	Chlorobenzene	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

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK02

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69285W

Matrix: (soil/water) WATER Lab Sample ID: QC394331

Sample wt/vol: 10 (g/ml) ml Lab File ID: B1B32

Level: (low/med) LOW Date Received: 09/25/96

% Moisture: not dec. _____ Date Analyzed: 09/25/96

GC Column: J&W DB-624(HALL) 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
71-43-2	Benzene	2.0	U
108-88-3	Toluene	2.0	U
100-41-4	Ethylbenzene	2.0	U
1330-20-7	Xylenes (total)	6.0	U
108-90-7	Chlorobenzene	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

FORM I VOA OLM03.0

METALS DATA

CASE NARRATIVE
SDG 69285W
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
I1KWM-01	9609285-01
ABSW-4	9609285-02
ABSW-7	9609285-03
ABSW-9	9609285-04
ABSW-2	9609285-05
ABSW-1	9609285-06
ABSW-3	9609285-07
ABSW-5	9609285-08
ABSW-8	9609285-09
S4SW-1	9609285-10
S4SW-2	9609285-11
S4SW-3	9609285-12
S4DPSW	9609285-13
S4SW-4	9609285-14
I1MW-7	9609285-16
I1DPGW-2	9609285-17
B4SW	9609285-18
B5SW	9609285-19
Blank	QC387175 - Trace QC388756 - Hg
Laboratory Control Sample (LCS)	QC387176 - Trace QC388759 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC387177 - Trace QC388760 - Hg
I1MW-7 Matrix Spike (MS)	QC387178 - Trace QC388757 - Hg
I1MW-7 Duplicate (Dup)	QC387179 - Trace QC388758 - Hg

Instrument Calibration

The continuing calibration verification with the time stamp 21:16 exceeded the acceptance limits for Vanadium. Because all samples were below the reporting limit for vanadium, the samples were not reanalyzed.

All other initial and continuing instrument calibration criteria established in the methodology were met for the analysis.

Holding Times

All samples were analyzed within the technical holding times.

Blank Analysis

Barium, calcium, 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).

Spike and Duplicate Analysis

Four "N" flags resulted from the matrix spike analysis of sample I1MW-7S for antimony, potassium, selenium, and cyanide. 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 relative percent difference (RPD). The limits are generated by Statistical Proces Control (SPC).

Dilutions

Aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc were analyzed at a 2x dilution for all samples due to high levels of sodium, calcium, and magnesium. The results for calcium, magnesium, sodium, and potassium reflect a 20 fold dilution for all samples except S4SW-4 and I1MW-7D, which are reported at a 2x dilution.

There were no dilutions required for Cyanide or Mercury analysis.

Additional Comments

The serial dilution results are not applicable since the samples were initially analyzed at a 2x dilution.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1KWM-01

ab ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-01

evel (low/med): LOW__ Date Received: 09/16/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	10.3	B	N	P
7440-38-2	Arsenic	5.3	B		P
7440-39-3	Barium	41.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	265000			P
7440-47-3	Chromium	3.1	B		P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	11.5	B		P
7439-89-6	Iron	4.0	U		P
7439-92-1	Lead	7.0			P
7439-95-4	Magnesium	688000			P
7439-96-5	Manganese	8.8	B		P
7439-97-6	Mercury	0.14	B		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	202000		N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	4670000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW-4

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-02

evel (low/med): LOW__ Date Received: 09/16/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	27.3	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	467000			P
7440-47-3	Chromium_	2.2	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	7.3	B		P
7439-89-6	Iron_____	1970			P
7439-92-1	Lead_____	6.7			P
7439-95-4	Magnesium	1370000			P
7439-96-5	Manganese	40.3			P
7439-97-6	Mercury__	0.16	B		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	429000		N	P
7782-49-2	Selenium_	4.0	U	N	P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	9950000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW-7

ab ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-03

evel (low/med): LOW__ Date Received: 09/16/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	34.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	382000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	227			P
7439-92-1	Lead	4.8	B		P
7439-95-4	Magnesium	1170000			P
7439-96-5	Manganese	38.3			P
7439-97-6	Mercury	1.5			AV
7440-02-0	Nickel	41.2	B		P
7440-09-7	Potassium	357000		N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	8400000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW-9

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-04

evel (low/med): LOW__ Date Received: 09/16/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	30.7	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	425000			P
7440-47-3	Chromium	2.9	B		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	8.5	B		P
7439-89-6	Iron	279			P
7439-92-1	Lead	5.8	B		P
7439-95-4	Magnesium	1340000			P
7439-96-5	Manganese	16.5	B		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	405000		N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	9620000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

2010

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW-2

ab me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-05

evel (low/med): LOW__ Date Received: 09/16/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	31.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	435000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	9.4	B		P
7439-89-6	Iron	328			P
7439-92-1	Lead	6.0			P
7439-95-4	Magnesium	1380000			P
7439-96-5	Manganese	34.2			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	420000		N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	9870000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW-1

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-06

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	46.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	404000			P
7440-47-3	Chromium	2.9	B		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	9.5	B		P
7439-89-6	Iron	785			P
7439-92-1	Lead	6.4			P
7439-95-4	Magnesium	1120000			P
7439-96-5	Manganese	31.6			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	5.5	B		P
7440-09-7	Potassium	358000		N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	8260000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW-3

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-07

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	5.6	B		P
7440-39-3	Barium	41.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	394000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	10.3	B		P
7439-89-6	Iron	381			P
7439-92-1	Lead	6.0	B		P
7439-95-4	Magnesium	1160000			P
7439-96-5	Manganese	48.4			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	361000		N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	8370000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW-5

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-08

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	45.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	501000			P
7440-47-3	Chromium_	3.1	B		P
7440-48-4	Cobalt___	2.0	B		P
7440-50-8	Copper___	11.8	B		P
7439-89-6	Iron_____	900			P
7439-92-1	Lead_____	7.2			P
7439-95-4	Magnesium	1470000			P
7439-96-5	Manganese	42.8			P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	457000		N	P
7782-49-2	Selenium_	4.0	U	N	P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	10700000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSW-8

ab ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-09

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	5.6	B		P
7440-39-3	Barium___	34.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	461000			P
7440-47-3	Chromium_	2.3	B		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	11.9	B		P
7439-89-6	Iron____	286			P
7439-92-1	Lead____	6.2			P
7439-95-4	Magnesium	1390000			P
7439-96-5	Manganese	5.3	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	439000		N	P
7782-49-2	Selenium_	4.0	U	N	P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	10200000			P
7440-28-0	Thallium_	4.7	B		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

Color Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM02.1

2015

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S4SW-1

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-10

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	3.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	57200	B		P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	8.5	B		P
7439-92-1	Lead	3.5	B		P
7439-95-4	Magnesium	135000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.60			AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	43300	B	N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	863000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S4SW-2

ıL e: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıb Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

ıtrix (soil/water): WATER Lab Sample ID: 9609285-11

:vel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	3.8	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	65300	B		P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	17.1	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	149000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.53			AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	51600	B	N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	938000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

ɔlor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

ɔlor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

ɔmments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S4SW-3

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-12

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	3.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	69000	B		P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	35.3	B		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	147000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	47200	B	N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	942000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S4DPSW

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-13

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.5	B		P
7440-39-3	Barium___	4.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	65000	B		P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron____	63.0	B		P
7439-92-1	Lead____	3.6	B		P
7439-95-4	Magnesium	154000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	50000	B	N	P
7782-49-2	Selenium_	4.0	U	N	P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	975000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

olor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

S4SW-4

ıb Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıb Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

ıtrix (soil/water): WATER Lab Sample ID: 9609285-14

ıvel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium__	2.1	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	45600			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron____	4.0	U		P
7439-92-1	Lead____	3.1	B		P
7439-95-4	Magnesium	15200			P
7439-96-5	Manganese	3.9	B		P
7439-97-6	Mercury__	0.10	U		AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	6820	B	N	P
7782-49-2	Selenium_	4.0	U	N	P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	102000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

lor Before: YELLOW___ Clarity Before: CLEAR_ Texture: _____

lor After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

mments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1MW-7

a. ne: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-16

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	7.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	112000			P
7440-47-3	Chromium	2.0	B		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	4.0	U		P
7439-92-1	Lead	3.7	B		P
7439-95-4	Magnesium	28100			P
7439-96-5	Manganese	4.1	B		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	12100		N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	91700			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1DPGW-2

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-17

evel (low/med): LOW__ Date Received: 09/17/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	8.4	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	113000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.3	B		P
7439-89-6	Iron	4.0	U		P
7439-92-1	Lead	3.0	U		P
7439-95-4	Magnesium	29100			P
7439-96-5	Manganese	4.5	B		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	12000		N	P
7782-49-2	Selenium	4.1	B	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	85500			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	3.7	B		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B4SW

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-18

evel (low/med): LOW__ Date Received: 09/18/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.0	U		P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	6.1	B		P
7440-39-3	Barium	6.6	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	416000			P
7440-47-3	Chromium	2.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	4.0	U		P
7439-89-6	Iron	4.0	U		P
7439-92-1	Lead	3.2	B		P
7439-95-4	Magnesium	1380000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury	0.36			AV
7440-02-0	Nickel	4.0	U		P
7440-09-7	Potassium	397000		N	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	9500000			P
7440-28-0	Thallium	4.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
74-90-8	Cyanide	1.5	B	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B5SW

a. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69285W

atrix (soil/water): WATER Lab Sample ID: 9609285-19

evel (low/med): LOW__ Date Received: 09/18/96

Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	28.0	U		P
7440-36-0	Antimony_	4.0	U	N	P
7440-38-2	Arsenic__	4.0	U		P
7440-39-3	Barium___	6.5	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium__	0.40	U		P
7440-70-2	Calcium__	436000			P
7440-47-3	Chromium_	2.0	U		P
7440-48-4	Cobalt___	2.0	U		P
7440-50-8	Copper___	4.0	U		P
7439-89-6	Iron_____	4.0	U		P
7439-92-1	Lead_____	5.1	B		P
7439-95-4	Magnesium	1440000			P
7439-96-5	Manganese	2.0	U		P
7439-97-6	Mercury__	0.41			AV
7440-02-0	Nickel___	4.0	U		P
7440-09-7	Potassium	418000		N	P
7782-49-2	Selenium_	4.0	U	N	P
7440-22-4	Silver___	2.0	U		P
7440-23-5	Sodium___	9910000			P
7440-28-0	Thallium_	4.0	U		P
7440-62-2	Vanadium_	2.0	U		P
7440-66-6	Zinc_____	2.0	U		P
74-90-8__	Cyanide__	1.4	U	N	AS

olor Before: COLRLESS_ Clarity Before: CLEAR_ Texture: _____

olor After: COLRLESS_ Clarity After: CLEAR_ Artifacts: _____

omments:

FORM I - IN ILM02.1

2024

GENERAL CASE NARRATIVE

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

October 27, 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 September 17 and September 18, 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
B4SS-01	9609298-01
B4SS-02	9609298-02
B5SS-01	9609298-03
I1SS-1	9609298-04
I1DPSS	9609298-05
I1SS-6	9609298-06
I1SS-7	9609298-07
ABSS-3	9609298-08
ABSS-5	9609298-09
ABSS-8	9609298-10
ABSS-1	9609298-11
ABDPSS	9609298-12
ABSS-4	9609298-13
ABSS-7	9609298-14

ABSS-9	9609298-15
ABSS-2	9609298-16
I1SS-2	9609298-17
I1SS-3	9609298-18
I1SS-5	9609298-19
I1SS-4	9609298-20

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, and Nonconformance Reports. The analytical sections contain the following information: case narrative, forms, MDLs, raw data, LCS control charts, and hardcopy electronic data deliverable.

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:hali00396.102796

GENERAL ENGINEERING LABORATORIES
PO Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(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 69298S
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
B4SS-01	9609298-01
B4SS-02	9609298-02
B5SS-01	9609298-03
I1SS-1	9609298-04
I1DPSS	9609298-05
I1SS-6	9609298-06
I1SS-7	9609298-07
ABSS-3	9609298-08
ABSS-5	9609298-09
ABSS-8	9609298-10
ABSS-1	9609298-11
ABDPSS	9609298-12
ABSS-4	9609298-13
ABSS-7	9609298-14
ABSS-9	9609298-15
ABSS-2	9609298-16
I1SS-2	9609298-17
I1SS-3	9609298-18
I1SS-5	9609298-19
I1SS-4	9609298-20
Blank	QC390485/QC396076
Laboratory Control Sample (LCS)	QC389885/QC396077
Laboratory Control Sample Duplicate (LCSD)	QC389886/QC396078
B5SS-01 Matrix Spike (MS)	QC389887/QC396079
B5SS-01 Matrix Spike Duplicate (MSD)	QC389888/QC396080

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 surrogate failure, samples B5SS-01 and ABSS-1 were re-extracted out of holding.

Surrogate Analysis

The surrogates met quality control acceptance criteria, with the exception of samples B5SS-01 and ABSS-1. The samples were re-extracted out of holding and the surrogates met recovery acceptance criteria. Nonconformance reports (GEL-AS-OA-2466 and GEL-AS-OA-2487) were generated and are included in the package.

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).

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: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389884

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 005R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

HBLK02

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC396076

Sample wt/vol: 50.0 (g/mL) g Lab File ID: 003R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/24/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/24/96

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/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

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389885

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 006R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	11.0	P
95-76-5	2,4,5-T	10.6	P
93-72-1	2,4,5-TP	12.1	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MS

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC396077

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 004R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/24/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/24/96

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/Kg	Q
1928-38-7	2,4-D	15.5	
95-76-5	2,4,5-T	16.4	
93-72-1	2,4,5-TP	17.7	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK01MSD

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389886

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 007R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	13.7	P
95-76-5	2,4,5-T	13.4	P
93-72-1	2,4,5-TP	15.3	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HBLK02MSD

1 Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC396078

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 005R0101

% Moisture: 0 decanted: (Y/N) N Date Received: 10/24/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/24/96

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/Kg	Q
1928-38-7	2,4-D	16.1	
95-76-5	2,4,5-T	15.2	
93-72-1	2,4,5-TP	15.9	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01MS

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389887

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 008R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	35.9	P
95-76-5	2,4,5-T	18.3	P
93-72-1	2,4,5-TP	24.9	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01RR0MS

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC396079

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 006R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/24/96

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/Kg	Q
1928-38-7	2,4-D	44.5	
95-76-5	2,4,5-T	29.6	P
93-72-1	2,4,5-TP	41.5	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01MSD

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389888

Sample wt/vol: 50.5 (g/mL) g Lab File ID: 009R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	35.9	
95-76-5	2,4,5-T	15.3	P
93-72-1	2,4,5-TP	20.0	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01RR0MSD

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC396080

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 007R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/24/96

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/Kg	Q
1928-38-7	2,4-D	43.3	
95-76-5	2,4,5-T	29.8	P
93-72-1	2,4,5-TP	41.8	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SS-01

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-01

Sample wt/vol: 50.1 (g/mL) g Lab File ID: 010R0101

% Moisture: 32 decanted: (Y/N) N Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

B4SS-02

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-02

Sample wt/vol: 50.8 (g/mL) g Lab File ID: 011R0101

% Moisture: 43 decanted: (Y/N) N Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 10/08/96

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	24.7	P
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.

B5SS-01

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-03

Sample wt/vol: 50.9 (g/mL) g Lab File ID: 012R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	4.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01RR0

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-03

Sample wt/vol: 50.0 (g/mL) g Lab File ID: 008R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/24/96

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/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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-1

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-04

Sample wt/vol: 50.9 (g/mL) g Lab File ID: 013R0101

% Moisture: 22 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1DPSS

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-05

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 014R0101

% Moisture: 20 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-6

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-06

Sample wt/vol: 53.3 (g/mL) g Lab File ID: 016R0101

% Moisture: 18 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

I1SS-7

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-07

Sample wt/vol: 51.2 (g/mL) g Lab File ID: 017R0101

% Moisture: 34 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	21.4	P
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.

ABSS-3

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-08

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 018R0101

% Moisture: 36 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

ABSS-5

) Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-09

Sample wt/vol: 50.9 (g/mL) g Lab File ID: 019R0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	4.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-8

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-10

Sample wt/vol: 50.7 (g/mL) g Lab File ID: 020R0101

% Moisture: 50 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	3.9	U
95-76-5	2,4,5-T	3.9	U
93-72-1	2,4,5-TP	3.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-1

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-11

Sample wt/vol: 51.9 (g/mL) g Lab File ID: 021R0101

% Moisture: 37 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

ABSS-1RR0

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-11

Sample wt/vol: 50.0 (g/mL) g Lab File ID: 009R0101

% Moisture: 37 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:10/24/96

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/Kg	Q
1928-38-7	2,4-D	3.2	U
95-76-5	2,4,5-T	3.2	U
93-72-1	2,4,5-TP	3.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABDPSS

b Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-12

Sample wt/vol: 50.3 (g/mL) g Lab File ID: 022R0101

% Moisture: 43 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	3.5	U
95-76-5	2,4,5-T	3.5	U
93-72-1	2,4,5-TP	3.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-4

Name: GENERAL ENGINEERING LABS Contract:

La. Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-13

Sample wt/vol: 50.4 (g/mL) g Lab File ID: 023R0101

% Moisture: 32 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

ABSS-7

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-14

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 024R0101

% Moisture: 34 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

ABSS-9

Name: GENERAL ENGINEERING LABS Contract:

La. Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-15

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 025R0101

% Moisture: 35 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

ABSS-2

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-16

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 027R0101

% Moisture: 36 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

I1SS-2

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-17

Sample wt/vol: 50.2 (g/mL) g Lab File ID: 028R0101

% Moisture: 40 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	3.3	U
95-76-5	2,4,5-T	3.3	U
93-72-1	2,4,5-TP	3.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-3

Lab Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-18

Sample wt/vol: 50.8 (g/mL) g Lab File ID: 029R0101

% Moisture: 25 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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.

I1SS-5

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-19

Sample wt/vol: 50.6 (g/mL) g Lab File ID: 030R0101

% Moisture: 28 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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	2.7	U
95-76-5	2,4,5-T	2.7	U
93-72-1	2,4,5-TP	2.7	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-4

Name: GENERAL ENGINEERING LABS Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-20

Sample wt/vol: 50.9 (g/mL) g Lab File ID: 031R0101

% Moisture: 19 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/08/96

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

CASE NARRATIVE
SDG 69298S
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
B4SS-01	9609298-01
B4SS-02	9609298-02
B5SS-01	9609298-03
I1SS-1	9609298-04
I1DPSS	9609298-05
I1SS-6	9609298-06
I1SS-7	9609298-07
ABSS-3	9609298-08
ABSS-5	9609298-09
ABSS-8	9609298-10
ABSS-1	9609298-11
ABDPSS	9609298-12
ABSS-4	9609298-13
ABSS-7	9609298-14
ABSS-9	9609298-15
ABSS-2	9609298-16
I1SS-2	9609298-17
I1SS-3	9609298-18
I1SS-5	9609298-19
I1SS-4	9609298-20
Blank	QC389927
Laboratory Control Sample (LCS)	QC389928/QC38930
Laboratory Control Sample Duplicate (LCSD)	QC389929/QC38931
B5SS-01 Matrix Spike (MS)	QC389932/389934
B5SS-01 Matrix Spike Duplicate (MSD)	QC389933/389935

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 times.

Surrogate Analysis

All samples met surrogate recovery acceptance criteria.

Blank Analysis

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

Spike Analysis

The MS and MSD met the quality control criteria for recoveries and relative percent difference. However, the MS and MSD was not spiked with all of the target compounds. A nonconformance report (GEL-AS-OA-2486) was generated and is included in the package.

Laboratory Control Samples

The LCS and LCSD samples analyzed met quality control criteria for recoveries and RPD.

Dilutions

Sample I1SS-1 was initially analyzed at a 100x dilution and the remaining samples were initially analyzed at a 10x dilution. With the exception of samples I1SS-1, ABSS-4, I1SS-2, and I1SS-4, the samples were re-analyzed undiluted due to the absence of target analytes. Sample I1SS-1 was re-analyzed at a 1:1000 dilution in order to quantitiate target analytes within the calibration range of the analytical equipment. Samples ABSS-4 and I1SS-2 were re-analyzed at a 1:10 dilution in order to quantitiate PCB-1254 and sample I1SS-4 was re-analyzed in order to quantitate PCB-1260.

Additional Comments

The data from 10/15/96 was reported from the "r" column due to analyte failure in the check standard on the "f" column. The data from 10/17/96 was reported from the "f" column. However, some of the data may have been reported from the "r" column due to matrix interference on the "f" column.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389927

Sample wt/vol: 30.6 (g/mL) g Lab File ID: SIG20022

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.65	U
319-85-7	beta-BHC	0.65	U
319-86-8	delta-BHC	0.65	U
58-89-9	gamma-BHC	0.65	U
76-44-8	Heptachlor	0.65	U
309-00-2	Aldrin	0.65	U
1024-57-3	Heptachlor epoxide	0.65	U
959-98-8	Endosulfan I	0.65	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	6.5	U
7421-93-4	Endrin aldehyde	1.3	U
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.

PBLK01

1 Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389927

Sample wt/vol: 30.6 (g/mL) g Lab File ID: SIG20022

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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.

PBLK01MS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389930

Sample wt/vol: 30.9 (g/mL) g Lab File ID: SIG20026

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

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
12674-11-2	Aroclor-1016	40.4	U
11096-82-5	Aroclor-1260	131	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MSD

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389931

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG20027

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

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
12674-11-2	Aroclor-1016	41.4	U
11096-82-5	Aroclor-1260	128	

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01MS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389932

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG20028

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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	8.0	P
76-44-8	Heptachlor	5.4	
309-00-2	Aldrin	4.4	
1024-57-3	Heptachlor epoxide	1.4	U
959-98-8	Endosulfan I	1.8	
60-57-1	Dieldrin	12.1	
72-55-9	4,4'-DDE	2.7	U
72-20-8	Endrin	11.6	
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	10.3	
72-43-5	Methoxychlor	13.6	U
7421-93-4	Endrin aldehyde	2.7	U
8001-35-2	Toxaphene	67.8	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.

B5SS-01MS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389932

Sample wt/vol: 30.1 (g/mL) g Lab File ID: SIG20028

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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.

B5SS-01MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389933

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG20029

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.3	U
319-85-7	beta-BHC	1.3	U
319-86-8	delta-BHC	1.3	U
58-89-9	gamma-BHC	8.5	
76-44-8	Heptachlor	6.1	P
309-00-2	Aldrin	5.1	
1024-57-3	Heptachlor epoxide	1.3	U
959-98-8	Endosulfan I	1.4	P
60-57-1	Dieldrin	13.4	
72-55-9	4,4'-DDE	2.7	U
72-20-8	Endrin	12.8	
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	11.8	
72-43-5	Methoxychlor	13.4	U
7421-93-4	Endrin aldehyde	2.7	U
8001-35-2	Toxaphene	67.1	U
12674-11-2	Aroclor-1016	8.4	U
11104-28-2	Aroclor-1221	8.4	U
1114-16-5	Aroclor-1232	8.4	U
53469-21-9	Aroclor-1242	8.4	U
12672-29-6	Aroclor-1248	8.4	U
11097-69-1	Aroclor-1254	8.4	U
11096-82-5	Aroclor-1260	8.4	U
57-74-9	Chlordane	16.8	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.

B5SS-01MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389933

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG20029

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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.

B5SS-01MS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389934

Sample wt/vol: 30.4 (g/mL) g Lab File ID: SIG20030

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

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
12674-11-2	Aroclor-1016	83.9	U
11096-82-5	Aroclor-1260	183	

FORM I PEST

3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01MSD

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389935

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG20031

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

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
12674-11-2	Aroclor-1016	84.2	U
11096-82-5	Aroclor-1260	168	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SS-01

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-01

Sample wt/vol: 30.5 (g/mL) g Lab File ID: SIG20032

% Moisture: 32 decanted: (Y/N) N Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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	
319-85-7	beta-BHC	0.96	U
319-86-8	delta-BHC	0.96	U
58-89-9	gamma-BHC	0.96	U
76-44-8	Heptachlor	1.1	
309-00-2	Aldrin	0.96	U
1024-57-3	Heptachlor epoxide	0.96	U
959-98-8	Endosulfan I	0.96	U
60-57-1	Dieldrin	1.9	U
72-55-9	4,4'-DDE	1.9	U
72-20-8	Endrin	1.9	U
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	9.6	U
7421-93-4	Endrin aldehyde	1.9	U
8001-35-2	Toxaphene	48.3	U
12674-11-2	Aroclor-1016	6.0	U
11104-28-2	Aroclor-1221	6.0	U
1114-16-5	Aroclor-1232	6.0	U
53469-21-9	Aroclor-1242	6.0	U
12672-29-6	Aroclor-1248	6.0	U
11097-69-1	Aroclor-1254	6.0	U
11096-82-5	Aroclor-1260	6.0	U
57-74-9	Chlordane	12.1	U
298-02-2	Phorate	2.4	U
298-00-0	Parathion, methyl	2.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SS-01

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-01

Sample wt/vol: 30.5 (g/mL) g Lab File ID: SIG20032

% Moisture: 32 decanted: (Y/N) N Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	2.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SS-02

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: SIG20033

% Moisture: 43 decanted: (Y/N) N Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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	
319-85-7	beta-BHC	1.1	U
319-86-8	delta-BHC	1.1	U
58-89-9	gamma-BHC	1.3	P
76-44-8	Heptachlor	1.3	P
309-00-2	Aldrin	1.1	U
1024-57-3	Heptachlor epoxide	1.1	U
959-98-8	Endosulfan I	1.2	
60-57-1	Dieldrin	2.3	U
72-55-9	4,4'-DDE	2.3	U
72-20-8	Endrin	2.3	U
33213-65-9	Endosulfan II	2.3	U
72-54-8	4,4'-DDD	2.3	U
1031-07-8	Endosulfan sulfate	2.3	U
50-29-3	4,4'-DDT	2.3	U
72-43-5	Methoxychlor	11.5	U
7421-93-4	Endrin aldehyde	2.3	U
8001-35-2	Toxaphene	57.5	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.

B4SS-02

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-02

Sample wt/vol: 30.5 (g/mL) g Lab File ID: SIG20033

% Moisture: 43 decanted: (Y/N) N Date Received: 09/17/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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.

B5SS-01

1 Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-03

Sample wt/vol: 30.5 (g/mL) g Lab File ID: SIG20034

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	1.5	P
319-85-7	beta-BHC	1.3	U
319-86-8	delta-BHC	1.3	U
58-89-9	gamma-BHC	2.1	
76-44-8	Heptachlor	1.3	U
309-00-2	Aldrin	1.3	U
1024-57-3	Heptachlor epoxide	1.3	U
959-98-8	Endosulfan I	1.3	U
60-57-1	Dieldrin	2.7	U
72-55-9	4,4'-DDE	2.7	U
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	2.7	U
72-43-5	Methoxychlor	13.4	U
7421-93-4	Endrin aldehyde	2.7	U
8001-35-2	Toxaphene	66.8	U
12674-11-2	Aroclor-1016	8.4	U
11104-28-2	Aroclor-1221	8.4	U
1114-16-5	Aroclor-1232	8.4	U
53469-21-9	Aroclor-1242	8.4	U
12672-29-6	Aroclor-1248	8.4	U
11097-69-1	Aroclor-1254	8.4	U
11096-82-5	Aroclor-1260	8.4	U
57-74-9	Chlordane	16.7	U
298-02-2	Phorate	3.3	U
298-00-0	Parathion, methyl	3.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-03

Sample wt/vol: 30.5 (g/mL) g Lab File ID: SIG20034

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	3.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-04

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG20035

% Moisture: 22 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

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
319-84-6	alpha-BHC	85.0	U
319-85-7	beta-BHC	85.0	U
319-86-8	delta-BHC	85.0	U
58-89-9	gamma-BHC	85.0	U
76-44-8	Heptachlor	85.0	U
309-00-2	Aldrin	85.0	U
1024-57-3	Heptachlor epoxide	85.0	U
959-98-8	Endosulfan I	137	
60-57-1	Dieldrin	126	JP
72-55-9	4,4'-DDE	186	P
72-20-8	Endrin	1960	E
33213-65-9	Endosulfan II	170	U
72-54-8	4,4'-DDD	170	U
1031-07-8	Endosulfan sulfate	276	
50-29-3	4,4'-DDT	1500	P
72-43-5	Methoxychlor	850	U
7421-93-4	Endrin aldehyde	170	U
8001-35-2	Toxaphene	4250	U
12674-11-2	Aroclor-1016	531	U
11104-28-2	Aroclor-1221	531	U
1114-16-5	Aroclor-1232	531	U
53469-21-9	Aroclor-1242	531	U
12672-29-6	Aroclor-1248	531	U
11097-69-1	Aroclor-1254	531	U
11096-82-5	Aroclor-1260	31800	E
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.

I1SS-1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-04

Sample wt/vol: 30.2 (g/mL) g Lab File ID: SIG20035

% Moisture: 22 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

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
56-38-2	Parathion	212	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1DPSS

[Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-05

Sample wt/vol: 30.8 (g/mL) g Lab File ID: SIG20037

% Moisture: 20 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 500.0

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	406	U
319-85-7	beta-BHC	406	U
319-86-8	delta-BHC	406	U
58-89-9	gamma-BHC	406	U
76-44-8	Heptachlor	406	U
309-00-2	Aldrin	406	U
1024-57-3	Heptachlor epoxide	406	U
959-98-8	Endosulfan I	375	JP
60-57-1	Dieldrin	812	U
72-55-9	4,4'-DDE	812	U
72-20-8	Endrin	574	J
33213-65-9	Endosulfan II	812	U
72-54-8	4,4'-DDD	812	U
1031-07-8	Endosulfan sulfate	812	U
50-29-3	4,4'-DDT	711	J
72-43-5	Methoxychlor	4060	U
7421-93-4	Endrin aldehyde	676	J
8001-35-2	Toxaphene	20300	U
12674-11-2	Aroclor-1016	2540	U
11104-28-2	Aroclor-1221	2540	U
1114-16-5	Aroclor-1232	2540	U
53469-21-9	Aroclor-1242	2540	U
12672-29-6	Aroclor-1248	2540	U
11097-69-1	Aroclor-1254	2540	U
11096-82-5	Aroclor-1260	4120	
57-74-9	Chlordane	5080	U
298-02-2	Phorate	1020	U
298-00-0	Parathion, methyl	1020	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1DPSS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-05

Sample wt/vol: 30.8 (g/mL) g Lab File ID: SIG20037

% Moisture: 20 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/16/96

Injection Volume: 1.0(uL) Dilution Factor: 500.0

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	1020	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-4

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-20

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG20053

% Moisture: 19 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/17/96

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
319-84-6	alpha-BHC	8.2	U
319-85-7	beta-BHC	8.2	U
319-86-8	delta-BHC	8.2	U
58-89-9	gamma-BHC	8.2	U
76-44-8	Heptachlor	7.8	J
309-00-2	Aldrin	8.2	U
1024-57-3	Heptachlor epoxide	8.2	U
959-98-8	Endosulfan I	21.9	
60-57-1	Dieldrin	13.6	JP
72-55-9	4,4'-DDE	26.6	
72-20-8	Endrin	9.0	P
33213-65-9	Endosulfan II	16.3	U
72-54-8	4,4'-DDD	13.7	P
1031-07-8	Endosulfan sulfate	16.3	U
50-29-3	4,4'-DDT	118	P
72-43-5	Methoxychlor	81.5	U
7421-93-4	Endrin aldehyde	34.7	P
8001-35-2	Toxaphene	408	U
12674-11-2	Aroclor-1016	51.0	U
11104-28-2	Aroclor-1221	51.0	U
1114-16-5	Aroclor-1232	51.0	U
53469-21-9	Aroclor-1242	51.0	U
12672-29-6	Aroclor-1248	51.0	U
11097-69-1	Aroclor-1254	51.0	U
11096-82-5	Aroclor-1260	1700	E
57-74-9	Chlordane	102	U
298-02-2	Phorate	20.4	U
298-00-0	Parathion, methyl	20.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-4

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-20

Sample wt/vol: 30.3 (g/mL) g Lab File ID: SIG20053

% Moisture: 19 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/17/96

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
56-38-2	Parathion	20.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01MS

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389928

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 020F0101

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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	4.0	
76-44-8	Heptachlor	3.3	
309-00-2	Aldrin	2.8	
1024-57-3	Heptachlor epoxide	0.66	U
959-98-8	Endosulfan I	0.66	U
60-57-1	Dieldrin	7.5	
72-55-9	4,4'-DDE	1.3	U
72-20-8	Endrin	7.0	
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	7.3	
72-43-5	Methoxychlor	6.6	U
7421-93-4	Endrin aldehyde	1.3	U
8001-35-2	Toxaphene	33.1	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.

PBLK01MS

1 Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389928

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 020F0101

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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.

PBLK01MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389929

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 021F0101

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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	4.4	
76-44-8	Heptachlor	3.8	
309-00-2	Aldrin	3.1	
1024-57-3	Heptachlor epoxide	0.66	U
959-98-8	Endosulfan I	0.66	U
60-57-1	Dieldrin	8.4	
72-55-9	4,4'-DDE	1.3	U
72-20-8	Endrin	8.0	
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	8.6	
72-43-5	Methoxychlor	6.6	U
7421-93-4	Endrin aldehyde	1.3	U
8001-35-2	Toxaphene	32.8	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.

PBLK01MSD

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389929

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 021F0101

% Moisture: 0 decanted: (Y/N) N Date Received: 09/30/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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.

I1SS-1DL1

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-04

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 022F0101

% Moisture: 22 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

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	850	U
319-85-7	beta-BHC	850	U
319-86-8	delta-BHC	850	U
58-89-9	gamma-BHC	850	U
76-44-8	Heptachlor	850	U
309-00-2	Aldrin	850	U
1024-57-3	Heptachlor epoxide	850	U
959-98-8	Endosulfan I	850	U
60-57-1	Dieldrin	1700	U
72-55-9	4,4'-DDE	1700	U
72-20-8	Endrin	2350	
33213-65-9	Endosulfan II	1700	U
72-54-8	4,4'-DDD	1700	U
1031-07-8	Endosulfan sulfate	1700	U
50-29-3	4,4'-DDT	4420	P
72-43-5	Methoxychlor	8500	U
7421-93-4	Endrin aldehyde	1700	U
8001-35-2	Toxaphene	42500	U
12674-11-2	Aroclor-1016	5310	U
11104-28-2	Aroclor-1221	5310	U
1114-16-5	Aroclor-1232	5310	U
53469-21-9	Aroclor-1242	5310	U
12672-29-6	Aroclor-1248	5310	U
11097-69-1	Aroclor-1254	5310	U
11096-82-5	Aroclor-1260	32400	
57-74-9	Chlordane	10600	U
298-02-2	Phorate	2120	U
298-00-0	Parathion, methyl	2120	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-1DL1

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-04

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 022F0101

% Moisture: 22 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/17/96

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

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	2120	U

FORM I PEST 3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-6

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-06

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 023F0101

% Moisture: 18 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.79	U
319-85-7	beta-BHC	0.79	U
319-86-8	delta-BHC	1.0	
58-89-9	gamma-BHC	0.78	J
76-44-8	Heptachlor	0.79	U
309-00-2	Aldrin	0.79	U
1024-57-3	Heptachlor epoxide	0.79	U
959-98-8	Endosulfan I	1.7	P
60-57-1	Dieldrin	2.4	P
72-55-9	4,4'-DDE	9.5	
72-20-8	Endrin	3.3	
33213-65-9	Endosulfan II	1.6	U
72-54-8	4,4'-DDD	4.6	P
1031-07-8	Endosulfan sulfate	0.84	JP
50-29-3	4,4'-DDT	6.5	P
7421-93-4	Endrin aldehyde	1.6	U
8001-35-2	Toxaphene	39.5	U
12674-11-2	Aroclor-1016	4.9	U
11104-28-2	Aroclor-1221	4.9	U
1114-16-5	Aroclor-1232	4.9	U
53469-21-9	Aroclor-1242	4.9	U
12672-29-6	Aroclor-1248	4.9	U
11097-69-1	Aroclor-1254	4.9	U
11096-82-5	Aroclor-1260	66.6	
57-74-9	Chlordane	9.9	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.

I1SS-6

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-06

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 023F0101

% Moisture: 18 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 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

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-7

1 Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-07

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 024F0101

% Moisture: 34 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

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 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
319-84-6	alpha-BHC	0.85	JP
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC	1.7	P
76-44-8	Heptachlor	0.76	JP
309-00-2	Aldrin	1.0	U
1024-57-3	Heptachlor epoxide	1.2	
959-98-8	Endosulfan I	2.3	P
60-57-1	Dieldrin	3.0	P
72-55-9	4,4'-DDE	3.2	P
72-20-8	Endrin	2.8	P
33213-65-9	Endosulfan II	2.0	U
72-54-8	4,4'-DDD	2.5	
1031-07-8	Endosulfan sulfate	2.0	U
50-29-3	4,4'-DDT	7.8	
72-43-5	Methoxychlor	10.0	U
7421-93-4	Endrin aldehyde	2.0	U
8001-35-2	Toxaphene	49.8	U
12674-11-2	Aroclor-1016	6.2	U
11104-28-2	Aroclor-1221	6.2	U
1114-16-5	Aroclor-1232	6.2	U
53469-21-9	Aroclor-1242	6.2	U
12672-29-6	Aroclor-1248	6.2	U
11097-69-1	Aroclor-1254	6.2	U
11096-82-5	Aroclor-1260	38.6	P
57-74-9	Chlordane	12.4	U
298-02-2	Phorate	2.5	U
298-00-0	Parathion, methyl	2.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-7

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-07

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 024F0101

% Moisture: 34 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/30/96

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 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-38-2	Parathion	2.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-3

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-08

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 025F0101

% Moisture: 36 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	1.0	U
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC	1.5	P
76-44-8	Heptachlor	1.3	
309-00-2	Aldrin	1.0	U
1024-57-3	Heptachlor epoxide	3.0	
959-98-8	Endosulfan I	6.2	P
60-57-1	Dieldrin	2.1	U
72-55-9	4,4'-DDE	3.4	P
72-20-8	Endrin	1.5	JP
33213-65-9	Endosulfan II	2.1	U
72-54-8	4,4'-DDD	3.1	
1031-07-8	Endosulfan sulfate	2.1	U
50-29-3	4,4'-DDT	3.9	
72-43-5	Methoxychlor	10.3	U
7421-93-4	Endrin aldehyde	2.1	U
8001-35-2	Toxaphene	51.7	U
12674-11-2	Aroclor-1016	6.5	U
11104-28-2	Aroclor-1221	6.5	U
1114-16-5	Aroclor-1232	6.5	U
53469-21-9	Aroclor-1242	6.5	U
12672-29-6	Aroclor-1248	6.5	U
11097-69-1	Aroclor-1254	6.5	U
11096-82-5	Aroclor-1260	19.0	P
57-74-9	Chlordane	12.9	U
298-02-2	Phorate	2.6	U
298-00-0	Parathion, methyl	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-3

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-08

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 025F0101

% Moisture: 36 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-5

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 026F0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	1.3	U
319-85-7	beta-BHC	1.3	U
319-86-8	delta-BHC	1.3	U
58-89-9	gamma-BHC	1.6	
76-44-8	Heptachlor	1.3	U
309-00-2	Aldrin	1.3	U
1024-57-3	Heptachlor epoxide	1.3	JP
959-98-8	Endosulfan I	2.4	
60-57-1	Dieldrin	2.7	U
72-55-9	4,4'-DDE	4.1	P
72-20-8	Endrin	1.4	JP
33213-65-9	Endosulfan II	3.1	U
72-54-8	4,4'-DDD	3.1	
1031-07-8	Endosulfan sulfate	2.7	U
50-29-3	4,4'-DDT	5.5	P
72-43-5	Methoxychlor	13.5	U
7421-93-4	Endrin aldehyde	2.7	U
8001-35-2	Toxaphene	67.4	U
12674-11-2	Aroclor-1016	8.4	U
11104-28-2	Aroclor-1221	8.4	U
1114-16-5	Aroclor-1232	8.4	U
53469-21-9	Aroclor-1242	8.4	U
12672-29-6	Aroclor-1248	8.4	U
11097-69-1	Aroclor-1254	8.4	U
11096-82-5	Aroclor-1260	8.4	U
57-74-9	Chlordane	16.8	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-5

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-09

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 026F0101

% Moisture: 51 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	3.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-8

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-10

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 028F0101

% Moisture: 50 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	1.3	U
319-85-7	beta-BHC	1.3	U
319-86-8	delta-BHC	1.3	U
58-89-9	gamma-BHC	1.9	
76-44-8	Heptachlor	1.1	JP
309-00-2	Aldrin	1.3	U
1024-57-3	Heptachlor epoxide	1.8	P
959-98-8	Endosulfan I	4.6	
60-57-1	Dieldrin	2.6	U
72-55-9	4,4'-DDE	4.8	P
72-20-8	Endrin	2.6	U
33213-65-9	Endosulfan II	2.6	U
72-54-8	4,4'-DDD	6.1	P
1031-07-8	Endosulfan sulfate	2.6	U
50-29-3	4,4'-DDT	6.4	P
72-43-5	Methoxychlor	13.2	U
7421-93-4	Endrin aldehyde	2.6	U
8001-35-2	Toxaphene	66.2	U
12674-11-2	Aroclor-1016	8.3	U
11104-28-2	Aroclor-1221	8.3	U
1114-16-5	Aroclor-1232	8.3	U
53469-21-9	Aroclor-1242	8.3	U
12672-29-6	Aroclor-1248	8.3	U
11097-69-1	Aroclor-1254	8.3	U
11096-82-5	Aroclor-1260	8.3	U
57-74-9	Chlordane	16.6	U
298-02-2	Phorate	3.3	U
298-00-0	Parathion, methyl	3.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-8

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-10

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 028F0101

% Moisture: 50 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	3.3	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-1

1 Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-11

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 029F0101

% Moisture: 37 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	1.0	U
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC	1.0	U
76-44-8	Heptachlor	1.0	U
309-00-2	Aldrin	1.0	U
1024-57-3	Heptachlor epoxide	1.0	U
959-98-8	Endosulfan I	2.5	P
60-57-1	Dieldrin	2.1	U
72-55-9	4,4'-DDE	2.3	P
72-20-8	Endrin	2.1	U
33213-65-9	Endosulfan II	2.1	U
72-54-8	4,4'-DDD	2.7	
1031-07-8	Endosulfan sulfate	2.1	U
50-29-3	4,4'-DDT	3.6	P
72-43-5	Methoxychlor	10.5	U
7421-93-4	Endrin aldehyde	2.1	U
8001-35-2	Toxaphene	52.6	U
12674-11-2	Aroclor-1016	6.6	U
11104-28-2	Aroclor-1221	6.6	U
1114-16-5	Aroclor-1232	6.6	U
53469-21-9	Aroclor-1242	6.6	U
12672-29-6	Aroclor-1248	6.6	U
11097-69-1	Aroclor-1254	6.6	U
11096-82-5	Aroclor-1260	6.6	U
57-74-9	Chlordane	13.1	U
298-02-2	Phorate	2.6	U
298-00-0	Parathion, methyl	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-11

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 029F0101

% Moisture: 37 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABDPSS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-12

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 030F0101

% Moisture: 43 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	1.1	U
319-85-7	beta-BHC	1.1	U
319-86-8	delta-BHC	1.1	U
58-89-9	gamma-BHC	1.9	P
76-44-8	Heptachlor	1.2	
309-00-2	Aldrin	1.1	U
1024-57-3	Heptachlor epoxide	1.2	P
959-98-8	Endosulfan I	3.7	P
60-57-1	Dieldrin	2.3	U
72-55-9	4,4'-DDE	1.8	JP
72-20-8	Endrin	2.3	U
33213-65-9	Endosulfan II	2.3	U
72-54-8	4,4'-DDD	1.9	JP
1031-07-8	Endosulfan sulfate	2.3	U
50-29-3	4,4'-DDT	3.6	P
72-43-5	Methoxychlor	11.5	U
7421-93-4	Endrin aldehyde	2.3	U
8001-35-2	Toxaphene	57.4	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.

ABDPSS

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-12

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 030F0101

% Moisture: 43 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	2.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-4

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-13

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 032F0101

% Moisture: 32 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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
319-84-6	alpha-BHC	9.7	U
319-85-7	beta-BHC	9.7	U
319-86-8	delta-BHC	9.7	U
58-89-9	gamma-BHC	9.7	U
76-44-8	Heptachlor	6.9	JP
309-00-2	Aldrin	9.7	U
1024-57-3	Heptachlor epoxide	9.7	U
959-98-8	Endosulfan I	19.5	
60-57-1	Dieldrin	28.8	P
72-55-9	4,4'-DDE	15.7	JP
72-20-8	Endrin	32.5	
33213-65-9	Endosulfan II	19.3	U
72-54-8	4,4'-DDD	12.6	JP
1031-07-8	Endosulfan sulfate	19.3	U
50-29-3	4,4'-DDT	25.8	P
72-43-5	Methoxychlor	96.6	U
7421-93-4	Endrin aldehyde	19.3	U
8001-35-2	Toxaphene	483	U
12674-11-2	Aroclor-1016	60.4	U
11104-28-2	Aroclor-1221	60.4	U
1114-16-5	Aroclor-1232	60.4	U
53469-21-9	Aroclor-1242	60.4	U
12672-29-6	Aroclor-1248	60.4	U
11097-69-1	Aroclor-1254	470	P
11096-82-5	Aroclor-1260	402	
57-74-9	Chlordane	121	U
298-02-2	Phorate	24.2	U
298-00-0	Parathion, methyl	24.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-4

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-13

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 032F0101

% Moisture: 32 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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
56-38-2	Parathion	24.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-7

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-14

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 033F0101

% Moisture: 34 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	1.0	U
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC	6.8	P
76-44-8	Heptachlor	1.0	U
309-00-2	Aldrin	1.0	U
1024-57-3	Heptachlor epoxide	1.7	
959-98-8	Endosulfan I	3.5	P
60-57-1	Dieldrin	2.5	P
72-55-9	4,4'-DDE	3.7	P
72-20-8	Endrin	1.4	J
33213-65-9	Endosulfan II	2.0	U
72-54-8	4,4'-DDD	2.6	P
1031-07-8	Endosulfan sulfate	2.0	U
50-29-3	4,4'-DDT	4.1	P
72-43-5	Methoxychlor	10.1	U
7421-93-4	Endrin aldehyde	2.0	U
8001-35-2	Toxaphene	50.5	U
12674-11-2	Aroclor-1016	6.3	U
11104-28-2	Aroclor-1221	6.3	U
1114-16-5	Aroclor-1232	6.3	U
53469-21-9	Aroclor-1242	6.3	U
12672-29-6	Aroclor-1248	6.3	U
11097-69-1	Aroclor-1254	6.3	U
11096-82-5	Aroclor-1260	6.3	U
57-74-9	Chlordane	12.6	U
298-02-2	Phorate	2.5	U
298-00-0	Parathion, methyl	2.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-7

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-14

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 033F0101

% Moisture: 34 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	2.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-9

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-15

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 034F0101

% Moisture: 35 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	1.0	U
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC	2.1	P
76-44-3	Heptachlor	1.0	J
309-00-2	Aldrin	1.0	U
1024-57-3	Heptachlor epoxide	1.7	P
959-98-8	Endosulfan I	4.6	P
60-57-1	Dieldrin	2.3	P
72-55-9	4,4'-DDE	3.0	P
72-20-8	Endrin	2.0	U
33213-65-9	Endosulfan II	2.0	U
72-54-8	4,4'-DDD	2.7	
1031-07-8	Endosulfan sulfate	1.9	J
50-29-3	4,4'-DDT	3.3	P
72-43-5	Methoxychlor	10.1	U
7421-93-4	Endrin aldehyde	2.0	U
8001-35-2	Toxaphene	50.5	U
12674-11-2	Aroclor-1016	6.3	U
11104-28-2	Aroclor-1221	6.3	U
1114-16-5	Aroclor-1232	6.3	U
53469-21-9	Aroclor-1242	6.3	U
12672-29-6	Aroclor-1248	6.3	U
11097-69-1	Aroclor-1254	6.3	U
11096-82-5	Aroclor-1260	17.0	P
57-74-9	Chlordane	12.6	U
298-02-2	Phorate	2.5	U
298-00-0	Parathion, methyl	2.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-9

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-15

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 034F0101

% Moisture: 35 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	2.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-16

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 035F0101

% Moisture: 36 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	1.0	U
319-85-7	beta-BHC	1.0	U
319-86-8	delta-BHC	1.0	U
58-89-9	gamma-BHC	8.7	P
76-44-8	Heptachlor	1.0	U
309-00-2	Aldrin	1.0	U
1024-57-3	Heptachlor epoxide	1.0	U
959-98-8	Endosulfan I	4.9	P
60-57-1	Dieldrin	2.1	U
72-55-9	4,4'-DDE	4.4	
72-20-8	Endrin	1.7	JP
33213-65-9	Endosulfan II	2.1	U
72-54-8	4,4'-DDD	2.2	P
1031-07-8	Endosulfan sulfate	2.1	U
50-29-3	4,4'-DDT	6.3	
72-43-5	Methoxychlor	10.4	U
7421-93-4	Endrin aldehyde	2.1	U
8001-35-2	Toxaphene	51.8	U
12674-11-2	Aroclor-1016	6.5	U
11104-28-2	Aroclor-1221	6.5	U
1114-16-5	Aroclor-1232	6.5	U
53469-21-9	Aroclor-1242	6.5	U
12672-29-6	Aroclor-1248	6.5	U
11097-69-1	Aroclor-1254	6.5	U
11096-82-5	Aroclor-1260	6.5	U
57-74-9	Chlordane	13.0	U
298-02-2	Phorate	2.6	U
298-00-0	Parathion, methyl	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABSS-2

1 Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-16

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 035F0101

% Moisture: 36 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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	2.6	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-17

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 036F0101

% Moisture: 40 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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
319-84-6	alpha-BHC	10.9	U
319-85-7	beta-BHC	10.9	U
319-86-8	delta-BHC	10.9	U
58-89-9	gamma-BHC	10.9	U
76-44-8	Heptachlor	18.9	P
309-00-2	Aldrin	10.9	U
1024-57-3	Heptachlor epoxide	10.9	U
959-98-8	Endosulfan I	25.2	
60-57-1	Dieldrin	21.8	U
72-55-9	4,4'-DDE	75.8	
72-20-8	Endrin	59.5	
33213-65-9	Endosulfan II	21.8	U
72-54-8	4,4'-DDD	29.4	
1031-07-8	Endosulfan sulfate	21.8	U
50-29-3	4,4'-DDT	43.1	P
72-43-5	Methoxychlor	109	U
7421-93-4	Endrin aldehyde	21.8	U
8001-35-2	Toxaphene	545	U
12674-11-2	Aroclor-1016	68.1	U
11104-28-2	Aroclor-1221	68.1	U
1114-16-5	Aroclor-1232	68.1	U
53469-21-9	Aroclor-1242	68.1	U
12672-29-6	Aroclor-1248	68.1	U
11097-69-1	Aroclor-1254	669	P
11096-82-5	Aroclor-1260	905	
57-74-9	Chlordane	136	U
298-02-2	Phorate	27.2	U
298-00-0	Parathion, methyl	27.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-17

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 036F0101

% Moisture: 40 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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
56-38-2	Parathion	27.2	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-5

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-19

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 038F0101

% Moisture: 28 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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

FORM I PEST

3/90

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-4DL1

I Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-20

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 039F0101

% Moisture: 19 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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
319-84-6	alpha-BHC	81.5	U
319-85-7	beta-BHC	81.5	U
319-86-8	delta-BHC	81.5	U
58-89-9	gamma-BHC	81.5	U
76-44-8	Heptachlor	81.5	U
309-00-2	Aldrin	81.5	U
1024-57-3	Heptachlor epoxide	81.5	U
959-98-8	Endosulfan I	81.5	U
60-57-1	Dieldrin	163	U
72-55-9	4,4'-DDE	163	U
72-20-8	Endrin	158	JP
33213-65-9	Endosulfan II	163	U
72-54-8	4,4'-DDD	163	U
1031-07-8	Endosulfan sulfate	163	U
50-29-3	4,4'-DDT	318	P
72-43-5	Methoxychlor	815	U
7421-93-4	Endrin aldehyde	163	U
8001-35-2	Toxaphene	4080	U
12674-11-2	Aroclor-1016	510	U
11104-28-2	Aroclor-1221	510	U
1114-16-5	Aroclor-1232	510	U
53469-21-9	Aroclor-1242	510	U
12672-29-6	Aroclor-1248	510	U
11097-69-1	Aroclor-1254	510	U
11096-82-5	Aroclor-1260	2290	
57-74-9	Chlordane	1020	U
298-02-2	Phorate	204	U
298-00-0	Parathion, methyl	204	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-4DL1

I 'ame: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-20

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 039F0101

% Moisture: 19 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/30/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/18/96

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
56-38-2	Parathion	204	U

FORM I PEST

SEMIVOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 69298S
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
B4SS-01	9609298-01
B4SS-02	9609298-02
B5SS-01	9609298-03
I1SS-1	9609298-04
I1DPSS	9609298-05
I1SS-6	9609298-06
I1SS-7	9609298-07
I1SS-2	9609298-17
I1SS-3	9609298-18
I1SS-5	9609298-19
I1SS-4	9609298-20
Blank	QC390485
Laboratory Control Sample (LCS)	QC390486
Laboratory Control Sample Duplicate (LCSD)	QC390487
B5SS-01 Matrix Spike (MS)	QC390488
B5SS-01 Matrix Spike Duplicate (MSD)	QC390489

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. Note, there are several compounds on the initial calibration form that have no response factors. Those compounds are single-pointed client specific compounds, rather than multipointed target compounds.

Holding Times

All 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

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 did not meet quality control criteria for recoveries and relative RPD. The MS and MSD can be used to demonstrate accuracy and precision. The sample results are acceptable following our SOP (GL-OA-E-009).

Dilutions

The samples were analyzed undiluted.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK01

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC390485

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4N403

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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.

SBLK01MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC390486

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4N404

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	1080	
106-46-7	1,4-dichlorobenzene	641	
621-64-7	N-nitroso-di-n-propylamine	813	
120-82-1	1,2,4-trichlorobenzene	670	
91-20-3	naphthalene	332	U
209-96-8	acenaphthylene	332	U
83-32-9	acenaphthene	891	
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	1830	
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.

SBLK01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC390487

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4N405

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: 0 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	1050	
106-46-7	1,4-dichlorobenzene	621	
621-64-7	N-nitroso-di-n-propylamine	755	
120-82-1	1,2,4-trichlorobenzene	665	
91-20-3	naphthalene	331	U
209-96-8	acenaphthylene	331	U
83-32-9	acenaphthene	784	
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	1960	
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.

B5SS-01MS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC390488

Sample wt/vol: 30.9 (g/mL) g Lab File ID: 4N406

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: 51 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	5860	
106-46-7	1,4-dichlorobenzene	4020	
621-64-7	N-nitroso-di-n-propylamine	5290	
120-82-1	1,2,4-trichlorobenzene	4340	
91-20-3	naphthalene	3380	
209-96-8	acenaphthylene	3900	
83-32-9	acenaphthene	5170	
86-73-7	fluorene	4790	
85-01-8	phenanthrene	4120	
120-12-7	anthracene	4270	
206-44-0	fluoranthene	4340	
129-00-0	pyrene	6420	
56-55-3	benzo(a)anthracene	6340	
218-01-9	chrysene	6240	
205-99-2	benzo(b)fluoranthene	5940	
207-08-9	benzo(k)fluoranthene	5290	
50-32-8	benzo(a)pyrene	6120	
193-39-5	indeno(1,2,3-cd)pyrene	6780	
53-70-3	dibenz(a,h)anthracene	6060	
191-24-2	benzo(g,h,i)perylene	6330	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01MSD

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC390489

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4N407

Level: (low/med) LOW Date Received: 10/01/96

% Moisture: 51 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	6180	
106-46-7	1,4-dichlorobenzene	3190	
621-64-7	N-nitroso-di-n-propylamine	4500	
120-82-1	1,2,4-trichlorobenzene	3530	
91-20-3	naphthalene	3420	
209-96-8	acenaphthylene	3940	
83-32-9	acenaphthene	4960	
86-73-7	fluorene	4720	
85-01-8	phenanthrene	4700	
120-12-7	anthracene	4880	
206-44-0	fluoranthene	4730	
129-00-0	pyrene	6720	
56-55-3	benzo(a)anthracene	6790	
218-01-9	chrysene	7300	
205-99-2	benzo(b)fluoranthene	6300	
207-08-9	benzo(k)fluoranthene	6120	
50-32-8	benzo(a)pyrene	6710	
193-39-5	indeno(1,2,3-cd)pyrene	7040	
53-70-3	dibenz(a,h)anthracene	6260	
191-24-2	benzo(g,h,i)perylene	6500	

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SS-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4N408

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 32 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	487	U
209-96-8	acenaphthylene	487	U
83-32-9	acenaphthene	487	U
86-73-7	fluorene	487	U
85-01-8	phenanthrene	487	U
120-12-7	anthracene	487	U
206-44-0	fluoranthene	487	U
129-00-0	pyrene	487	U
56-55-3	benzo(a)anthracene	487	U
218-01-9	chrysene	487	U
205-99-2	benzo(b)fluoranthene	487	U
207-08-9	benzo(k)fluoranthene	487	U
50-32-8	benzo(a)pyrene	487	U
193-39-5	indeno(1,2,3-cd)pyrene	487	U
53-70-3	dibenz(a,h)anthracene	487	U
191-24-2	benzo(g,h,i)perylene	487	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SS-02

Name: GENERAL ENGINEERING LABOR Contract:

La. Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-02

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 4N409

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 43 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	577	U
209-96-8	acenaphthylene	577	U
83-32-9	acenaphthene	577	U
86-73-7	fluorene	577	U
85-01-8	phenanthrene	577	U
120-12-7	anthracene	577	U
206-44-0	fluoranthene	577	U
129-00-0	pyrene	577	U
56-55-3	benzo(a)anthracene	577	U
218-01-9	chrysene	577	U
205-99-2	benzo(b)fluoranthene	577	U
207-08-9	benzo(k)fluoranthene	577	U
50-32-8	benzo(a)pyrene	577	U
193-39-5	indeno(1,2,3-cd)pyrene	577	U
53-70-3	dibenz(a,h)anthracene	577	U
191-24-2	benzo(g,h,i)perylene	577	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-03

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4N410

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 51 decanted: (Y/N) N Date Extracted:10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	669	U
106-46-7	1,4-dichlorobenzene	669	U
621-64-7	N-nitroso-di-n-propylamine	669	U
120-82-1	1,2,4-trichlorobenzene	669	U
91-20-3	naphthalene	669	U
209-96-8	acenaphthylene	669	U
83-32-9	acenaphthene	669	U
86-73-7	fluorene	669	U
85-01-8	phenanthrene	669	U
120-12-7	anthracene	669	U
206-44-0	fluoranthene	669	U
129-00-0	pyrene	669	U
56-55-3	benzo(a)anthracene	669	U
218-01-9	chrysene	669	U
205-99-2	benzo(b)fluoranthene	669	U
207-08-9	benzo(k)fluoranthene	669	U
50-32-8	benzo(a)pyrene	669	U
193-39-5	indeno(1,2,3-cd)pyrene	669	U
53-70-3	dibenz(a,h)anthracene	669	U
191-24-2	benzo(g,h,i)perylene	669	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-04

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4N411

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 22 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	426	U
209-96-8	acenaphthylene	426	U
83-32-9	acenaphthene	426	U
86-73-7	fluorene	426	U
85-01-8	phenanthrene	426	U
120-12-7	anthracene	426	U
206-44-0	fluoranthene	426	U
129-00-0	pyrene	426	U
56-55-3	benzo(a)anthracene	426	U
218-01-9	chrysene	426	U
205-99-2	benzo(b)fluoranthene	426	U
207-08-9	benzo(k)fluoranthene	426	U
50-32-8	benzo(a)pyrene	426	U
193-39-5	indeno(1,2,3-cd)pyrene	426	U
53-70-3	dibenz(a,h)anthracene	426	U
191-24-2	benzo(g,h,i)perylene	426	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1DPSS

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-05

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 4N412

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 20 decanted: (Y/N) N Date Extracted:10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	414	U
209-96-8	acenaphthylene	414	U
83-32-9	acenaphthene	414	U
86-73-7	fluorene	414	U
85-01-8	phenanthrene	414	U
120-12-7	anthracene	414	U
206-44-0	fluoranthene	414	U
129-00-0	pyrene	414	U
56-55-3	benzo(a)anthracene	414	U
218-01-9	chrysene	414	U
205-99-2	benzo(b)fluoranthene	414	U
207-08-9	benzo(k)fluoranthene	414	U
50-32-8	benzo(a)pyrene	414	U
193-39-5	indeno(1,2,3-cd)pyrene	414	U
53-70-3	dibenz(a,h)anthracene	414	U
191-24-2	benzo(g,h,i)perylene	414	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-6

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-06

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 4N413

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	406	U
209-96-8	acenaphthylene	406	U
83-32-9	acenaphthene	406	U
86-73-7	fluorene	406	U
85-01-8	phenanthrene	406	U
120-12-7	anthracene	406	U
206-44-0	fluoranthene	406	U
129-00-0	pyrene	406	U
56-55-3	benzo(a)anthracene	406	U
218-01-9	chrysene	406	U
205-99-2	benzo(b)fluoranthene	406	U
207-08-9	benzo(k)fluoranthene	406	U
50-32-8	benzo(a)pyrene	406	U
193-39-5	indeno(1,2,3-cd)pyrene	406	U
53-70-3	dibenz(a,h)anthracene	406	U
191-24-2	benzo(g,h,i)perylene	406	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-7

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-07

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 4N414

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	402	U
209-96-8	acenaphthylene	402	U
83-32-9	acenaphthene	402	U
86-73-7	fluorene	402	U
85-01-8	phenanthrene	402	U
120-12-7	anthracene	402	U
206-44-0	fluoranthene	402	U
129-00-0	pyrene	402	U
56-55-3	benzo(a)anthracene	402	U
218-01-9	chrysene	402	U
205-99-2	benzo(b)fluoranthene	402	U
207-08-9	benzo(k)fluoranthene	402	U
50-32-8	benzo(a)pyrene	402	U
193-39-5	indeno(1,2,3-cd)pyrene	402	U
53-70-3	dibenz(a,h)anthracene	402	U
191-24-2	benzo(g,h,i)perylene	402	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-2

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-17

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 4N415

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 40 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/03/96

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	556	U
209-96-8	acenaphthylene	556	U
83-32-9	acenaphthene	556	U
86-73-7	fluorene	556	U
85-01-8	phenanthrene	556	U
120-12-7	anthracene	556	U
206-44-0	fluoranthene	289	J
129-00-0	pyrene	326	J
56-55-3	benzo(a)anthracene	556	U
218-01-9	chrysene	556	U
205-99-2	benzo(b)fluoranthene	556	U
207-08-9	benzo(k)fluoranthene	556	U
50-32-8	benzo(a)pyrene	556	U
193-39-5	indeno(1,2,3-cd)pyrene	556	U
53-70-3	dibenz(a,h)anthracene	556	U
191-24-2	benzo(g,h,i)perylene	556	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-3

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-18

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 4N416

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 25 decanted: (Y/N) N Date Extracted:10/01/96

Concentrated Extract Volume: 1(mL) Date Analyzed: 10/04/96

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	443	U
209-96-8	acenaphthylene	443	U
83-32-9	acenaphthene	443	U
86-73-7	fluorene	443	U
85-01-8	phenanthrene	443	U
120-12-7	anthracene	443	U
206-44-0	fluoranthene	443	U
129-00-0	pyrene	443	U
56-55-3	benzo(a)anthracene	443	U
218-01-9	chrysene	443	U
205-99-2	benzo(b)fluoranthene	443	U
207-08-9	benzo(k)fluoranthene	443	U
50-32-8	benzo(a)pyrene	443	U
193-39-5	indeno(1,2,3-cd)pyrene	443	U
53-70-3	dibenz(a,h)anthracene	443	U
191-24-2	benzo(g,h,i)perylene	443	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-5

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-19

Sample wt/vol: 30.6 (g/mL) g Lab File ID: 4N417

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 28 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 0.85 (mL) Date Analyzed: 10/04/96

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	386	U
209-96-8	acenaphthylene	386	U
83-32-9	acenaphthene	386	U
86-73-7	fluorene	386	U
85-01-8	phenanthrene	386	U
120-12-7	anthracene	386	U
206-44-0	fluoranthene	386	U
129-00-0	pyrene	386	U
56-55-3	benzo(a)anthracene	386	U
218-01-9	chrysene	386	U
205-99-2	benzo(b)fluoranthene	386	U
207-08-9	benzo(k)fluoranthene	386	U
50-32-8	benzo(a)pyrene	386	U
193-39-5	indeno(1,2,3-cd)pyrene	386	U
53-70-3	dibenz(a,h)anthracene	386	U
191-24-2	benzo(g,h,i)perylene	386	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

I1SS-4

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-20

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 4N418

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: 19 decanted: (Y/N) N Date Extracted: 10/01/96

Concentrated Extract Volume: 0.84 (mL) Date Analyzed: 10/04/96

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	340	U
209-96-8	acenaphthylene	340	U
83-32-9	acenaphthene	340	U
86-73-7	fluorene	340	U
85-01-8	phenanthrene	340	U
120-12-7	anthracene	340	U
206-44-0	fluoranthene	340	U
129-00-0	pyrene	340	U
56-55-3	benzo(a)anthracene	340	U
218-01-9	chrysene	340	U
205-99-2	benzo(b)fluoranthene	340	U
207-08-9	benzo(k)fluoranthene	340	U
50-32-8	benzo(a)pyrene	340	U
193-39-5	indeno(1,2,3-cd)pyrene	340	U
53-70-3	dibenz(a,h)anthracene	340	U
191-24-2	benzo(g,h,i)perylene	340	U

VOLATILE ORGANICS DATA

CASE NARRATIVE
SDG 69298S
Volatile Organic Analysis by GC

Sample Analysis

The following samples were analyzed for Volatile Aromatic compounds by SW-846 Method 8020:

Sample Description	Laboratory Identification
B4SS-01	9609298-01
B4SS-02	9609298-02
B5SS-01	9609298-03
Blank	QC389029
Laboratory Control Sample (LCS)	QC396947
B5SS-01 Matrix Spike (MS)	QC389030
B5SS-01 Matrix Spike Duplicate (MSD)	QC389031

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

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

Spike Analysis

The PS and PSD met quality control criteria for recoveries and relative percent difference (RPD).

Laboratory Control Samples

The LCS met quality control recovery criteria.

Dilutions

The samples were analyzed undiluted.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK01

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389029

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B1B32

Level: (low/med) LOW Date Received: 09/25/96

% Moisture: not dec. 0 Date Analyzed: 09/25/96

GC Column: J&W DB-624 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
71-43-2	Benzene	2.0	U
108-88-3	Toluene	2.0	U
100-41-4	Ethylbenzene	2.0	U
1330-20-7	Xylenes (total)	6.0	U
108-90-7	Chlorobenzene	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

FORM I VOA OLM03.0

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.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC396947

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B1B31LCS

Level: (low/med) LOW Date Received: 09/25/96

% Moisture: not dec. 0 Date Analyzed: 09/25/96

GC Column: J&W DB-624 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
71-43-2	Benzene	19.6	
108-88-3	Toluene	20.1	
100-41-4	Ethylbenzene	20.7	
1330-20-7	Xylenes (total)	64.5	
108-90-7	Chlorobenzene	18.3	
541-73-1	1,3-Dichlorobenzene	21.1	
106-46-7	1,4-Dichlorobenzene	21.3	
95-50-1	1,2-Dichlorobenzene	21.1	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-03

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B1B35

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. 51 Date Analyzed: 09/25/96

GC Column: J&W DB-624 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
71-43-2	Benzene	4.1	U
108-88-3	Toluene	3.5	J
100-41-4	Ethylbenzene	4.1	U
1330-20-7	Xylenes (total)	12.2	U
108-90-7	Chlorobenzene	4.1	U
541-73-1	1,3-Dichlorobenzene	4.1	U
106-46-7	1,4-Dichlorobenzene	4.1	U
95-50-1	1,2-Dichlorobenzene	4.1	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01MS

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389030

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B1B36

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. 51 Date Analyzed: 09/25/96

GC Column: J&W DB-624 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
71-43-2	Benzene	44.2	
108-88-3	Toluene	45.2	
100-41-4	Ethylbenzene	46.3	
1330-20-7	Xylenes (total)	143	
108-90-7	Chlorobenzene	40.6	
541-73-1	1,3-Dichlorobenzene	40.5	
106-46-7	1,4-Dichlorobenzene	43.4	
95-50-1	1,2-Dichlorobenzene	40.1	
103-65-1	n-Propylbenzene	81.4	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B5SS-01MSD

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: QC389031

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B1B37

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: not dec. 51 Date Analyzed: 09/25/96

GC Column: J&W DB-624 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
71-43-2	Benzene	37.7	
108-88-3	Toluene	38.7	
100-41-4	Ethylbenzene	39.5	
1330-20-7	Xylenes (total)	123	
108-90-7	Chlorobenzene	34.6	
541-73-1	1,3-Dichlorobenzene	36.4	
106-46-7	1,4-Dichlorobenzene	38.7	
95-50-1	1,2-Dichlorobenzene	36.6	
103-65-1	n-Propylbenzene	85.5	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SS-01

ıb Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-01

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B1B38

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. 32 Date Analyzed: 09/25/96

GC Column: J&W DB-624 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
71-43-2	Benzene	2.9	U
108-88-3	Toluene	2.9	U
100-41-4	Ethylbenzene	2.9	U
1330-20-7	Xylenes (total)	8.8	U
108-90-7	Chlorobenzene	2.9	U
541-73-1	1,3-Dichlorobenzene	2.9	U
106-46-7	1,4-Dichlorobenzene	2.9	U
95-50-1	1,2-Dichlorobenzene	2.9	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B4SS-02

ab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69298S

Matrix: (soil/water) SOIL Lab Sample ID: 9609298-02

Sample wt/vol: 10.0 (g/mL) g Lab File ID: B1B39

Level: (low/med) LOW Date Received: 09/17/96

% Moisture: not dec. 43 Date Analyzed: 09/25/96

GC Column: J&W DB-624 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
71-43-2	Benzene	3.5	U
108-88-3	Toluene	16.9	
100-41-4	Ethylbenzene	3.5	U
1330-20-7	Xylenes (total)	10.5	U
108-90-7	Chlorobenzene	3.5	U
541-73-1	1,3-Dichlorobenzene	5.9	
106-46-7	1,4-Dichlorobenzene	3.5	U
95-50-1	1,2-Dichlorobenzene	3.5	U

METALS DATA

CASE NARRATIVE
SDG 69298S
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
B4SS-01	9609298-01
B4SS-02	9609298-02
B5SS-01	9609298-03
I1SS-1	9609298-04
I1DPSS	9609298-05
I1SS-6	9609298-06
I1SS-7	9609298-07
ABSS-3	9609298-08
ABSS-5	9609298-09
ABSS-8	9609298-10
ABSS-1	9609298-11
ABDPSS	9609298-12
ABSS-4	9609298-13
ABSS-7	9609298-14
ABSS-9	9609298-15
ABSS-2	9609298-16
I1SS-2	9609298-17
I1SS-3	9609298-18
I1SS-5	9609298-19
I1SS-4	9609298-20
Blank	QC387199 - Trace
	QC387851 - Hg
Laboratory Control Sample (LCS)	QC387202 - Trace
	QC387854 - Hg
Laboratory Control Sample Duplicate (LCSD)	QC387203- Trace
	QC387855 - Hg
B5SS-01 Matrix Spike (MS)	QC387200 - Trace
	QC387852 - Hg
B5SS-01 Duplicate (Dup)	QC387201 - Trace
	QC387853 - Hg

Instrument Calibration

All initial and continuing instrument calibration criteria established in the methodology were met for the analysis.

Holding Times

All samples were analyzed within the technical holding times.

Blank Analysis

Barium, cadmium, calcium, chromium, lead, sodium, and iron were detected in the method blank at levels greater than the instrument detection limit (IDL) and are flagged with a "B". Aluminum and thallium were below the negative IDL and are flagged with a "B".

Spike and Duplicate Analysis

Four "N" flags resulted from the matrix spike analysis of antimony, potassium, thallium, and cyanide. One "*" flag resulted from the sample duplicate analysis of aluminum. All other analytes met the 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

Calcium was analyzed on the TJA Poly-Scan at a two fold dilution for samples B4SS-01, B4SS-02, B5SS-01, I1SS-1, I1DPSS, I1SS-6, I1SS-7, ABSS-3, ABSS-5, ABSS-8, I1SS-2, I1SS-3, I1SS-5, and I1SS-4. Samples ABSS-1, ABDPSS, ABSS-4, ABSS-7, ABSS-9, and ABSS-2 were analyzed without dilution. Samples B4SS-01, B4SS-02, and B5SS-01 experienced negative interference and were therefore, reanalyzed on 10/21/96 at a two fold dilution. The reported results reflect the two fold dilution.

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B4SS-01

ab .me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-01

evel (low/med): LOW__ Date Received: 09/17/96

Solids: _68.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	97.7		*	P
7440-36-0	Antimony	0.57	U	N	P
7440-38-2	Arsenic	3.4			P
7440-39-3	Barium	8.3	B		P
7440-41-7	Beryllium	0.03	U		P
7440-43-9	Cadmium	0.07	B		P
7440-70-2	Calcium	276000			P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	0.28	U		P
7440-50-8	Copper	4.6	B		P
7439-89-6	Iron	109			P
7439-92-1	Lead	7.0			P
7439-95-4	Magnesium	7310			P
7439-96-5	Manganese	4.0	B		P
7439-97-6	Mercury	0.02	U		AV
7440-02-0	Nickel	0.57	U		P
7440-09-7	Potassium	405	B	N	P
7782-49-2	Selenium	0.57	U		P
7440-22-4	Silver	0.28	U		P
7440-23-5	Sodium	9510			P
7440-28-0	Thallium	0.57	U	N	P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	0.57	U		P
74-90-8	Cyanide	0.22	B	N	AS

olor Before: GREY_____ Clarity Before: _____ Texture: COURSE

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B4SS-02

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-02

evel (low/med): LOW__ Date Received: 09/17/96

Solids: _57.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	186		*	P
7440-36-0	Antimony	0.66	U	N	P
7440-38-2	Arsenic	1.8	B		P
7440-39-3	Barium	7.6	B		P
7440-41-7	Beryllium	0.03	U		P
7440-43-9	Cadmium	0.08	B		P
7440-70-2	Calcium	361000			P
7440-47-3	Chromium	1.7	B		P
7440-48-4	Cobalt	0.33	U		P
7440-50-8	Copper	5.7	B		P
7439-89-6	Iron	272			P
7439-92-1	Lead	8.4			P
7439-95-4	Magnesium	7460			P
7439-96-5	Manganese	6.6			P
7439-97-6	Mercury	0.07			AV
7440-02-0	Nickel	0.66	U		P
7440-09-7	Potassium	450	B	N	P
7782-49-2	Selenium	0.66	U		P
7440-22-4	Silver	0.33	U		P
7440-23-5	Sodium	10800			P
7440-28-0	Thallium	0.66	U	N	P
7440-62-2	Vanadium	2.4	B		P
7440-66-6	Zinc	0.66	U		P
74-90-8	Cyanide	0.12	U	N	AS

olor Before: GREY_____ Clarity Before: _____ Texture: COURSE

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B5SS-01

ab me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-03

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _49.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	636		*	P
7440-36-0	Antimony	0.81	U	N	P
7440-38-2	Arsenic	2.3	B		P
7440-39-3	Barium	13.2	B		P
7440-41-7	Beryllium	0.04	U		P
7440-43-9	Cadmium	0.15	B		P
7440-70-2	Calcium	406000			P
7440-47-3	Chromium	4.9			P
7440-48-4	Cobalt	0.40	U		P
7440-50-8	Copper	6.2	B		P
7439-89-6	Iron	528			P
7439-92-1	Lead	6.8			P
7439-95-4	Magnesium	11000			P
7439-96-5	Manganese	12.5			P
7439-97-6	Mercury	0.04	B		AV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	592	B	N	P
7782-49-2	Selenium	0.81	U		P
7440-22-4	Silver	0.40	U		P
7440-23-5	Sodium	13700			P
7440-28-0	Thallium	0.81	U	N	P
7440-62-2	Vanadium	3.4	B		P
7440-66-6	Zinc	0.81	U		P
74-90-8	Cyanide	0.29	B	N	AS

olor Before: GREY_____ Clarity Before: _____ Texture: COURSE

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1SS-1

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

Matrix (soil/water): SOIL_ Lab Sample ID: 9609298-04

Level (low/med): LOW__ Date Received: 09/18/96

% Solids: _78.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	453		*	P
7440-36-0	Antimony	2.1	B	N	P
7440-38-2	Arsenic	4.3			P
7440-39-3	Barium	8.5	B		P
7440-41-7	Beryllium	0.02	U		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	273000			P
7440-47-3	Chromium	16.4			P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	45.6			P
7439-89-6	Iron	13000			P
7439-92-1	Lead	59.1			P
7439-95-4	Magnesium	2510			P
7439-96-5	Manganese	58.0			P
7439-97-6	Mercury	0.04			AV
7440-02-0	Nickel	5.5	B		P
7440-09-7	Potassium	246	B	N	P
7782-49-2	Selenium	0.48	U		P
7440-22-4	Silver	0.24	U		P
7440-23-5	Sodium	4240			P
7440-28-0	Thallium	0.48	U	N	P
7440-62-2	Vanadium	5.9	B		P
7440-66-6	Zinc	91.9			P
74-90-8	Cyanide	0.09	U	N	AS

Color Before: MULTI____ Clarity Before: _____ Texture: COURSE

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1DPSS

ab .me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-05

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	578		*	P
7440-36-0	Antimony_	3.7	B	N	P
7440-38-2	Arsenic__	4.5			P
7440-39-3	Barium___	13.0	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium__	0.40	B		P
7440-70-2	Calcium__	282000			P
7440-47-3	Chromium_	7.7			P
7440-48-4	Cobalt___	1.5	B		P
7440-50-8	Copper___	57.5			P
7439-89-6	Iron_____	14600			P
7439-92-1	Lead_____	196			P
7439-95-4	Magnesium	4850			P
7439-96-5	Manganese	82.7			P
7439-97-6	Mercury__	0.08			AV
7440-02-0	Nickel___	6.1	B		P
7440-09-7	Potassium	196	B	N	P
7782-49-2	Selenium_	0.49	U		P
7440-22-4	Silver___	0.25	U		P
7440-23-5	Sodium___	3640			P
7440-28-0	Thallium_	0.49	U	N	P
7440-62-2	Vanadium_	5.4	B		P
7440-66-6	Zinc_____	181			P
74-90-8__	Cyanide__	0.08	U	N	AS

olor Before: MULTI____ Clarity Before: _____ Texture: COURSE

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1SS-6

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-06

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	560		*	P
7440-36-0	Antimony	1.4	B	N	P
7440-38-2	Arsenic	10.8			P
7440-39-3	Barium	11.8	B		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.35	B		P
7440-70-2	Calcium	151000			P
7440-47-3	Chromium	12.9			P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	64.4			P
7439-89-6	Iron	27700			P
7439-92-1	Lead	96.3			P
7439-95-4	Magnesium	2520			P
7439-96-5	Manganese	118			P
7439-97-6	Mercury	0.06			AV
7440-02-0	Nickel	12.0			P
7440-09-7	Potassium	194	B	N	P
7782-49-2	Selenium	0.46	U		P
7440-22-4	Silver	0.33	B		P
7440-23-5	Sodium	3540			P
7440-28-0	Thallium	0.46	U	N	P
7440-62-2	Vanadium	7.2	B		P
7440-66-6	Zinc	484			P
74-90-8	Cyanide	0.08	U	N	AS

olor Before: BROWN Clarity Before: _____ Texture: MEDIUM

olor After: CLEAR Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1SS-7

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

Matrix (soil/water): SOIL_ Lab Sample ID: 9609298-07

Level (low/med): LOW__ Date Received: 09/18/96

% Solids: _66.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	72.4		*	P
7440-36-0	Antimony	0.59	U	N	P
7440-38-2	Arsenic	0.92	B		P
7440-39-3	Barium	7.8	B		P
7440-41-7	Beryllium	0.03	U		P
7440-43-9	Cadmium	0.06	U		P
7440-70-2	Calcium	316000			P
7440-47-3	Chromium	2.9	B		P
7440-48-4	Cobalt	0.30	U		P
7440-50-8	Copper	15.2			P
7439-89-6	Iron	387			P
7439-92-1	Lead	19.0			P
7439-95-4	Magnesium	7770			P
7439-96-5	Manganese	7.3			P
7439-97-6	Mercury	0.02	U		AV
7440-02-0	Nickel	1.0	B		P
7440-09-7	Potassium	374	B	N	P
7782-49-2	Selenium	0.59	U		P
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	8790			P
7440-28-0	Thallium	0.59	U	N	P
7440-62-2	Vanadium	0.73	B		P
7440-66-6	Zinc	1.1	B		P
74-90-8	Cyanide	0.10	U	N	AS

Color Before: GREY_____ Clarity Before: _____ Texture: FINE__

Color After: CLEAR____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS-3

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

latrix (soil/water): SOIL_ Lab Sample ID: 9609298-08

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _64.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2250		*	P
7440-36-0	Antimony	0.60	U	N	P
7440-38-2	Arsenic	2.0	B		P
7440-39-3	Barium	15.1	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.25	B		P
7440-70-2	Calcium	137000			P
7440-47-3	Chromium	9.1			P
7440-48-4	Cobalt	0.43	B		P
7440-50-8	Copper	15.1			P
7439-89-6	Iron	3250			P
7439-92-1	Lead	20.9			P
7439-95-4	Magnesium	3210			P
7439-96-5	Manganese	31.5			P
7439-97-6	Mercury	0.05			AV
7440-02-0	Nickel	3.9	B		P
7440-09-7	Potassium	585	B	N	P
7782-49-2	Selenium	0.90	B		P
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	8180			P
7440-28-0	Thallium	0.60	U	N	P
7440-62-2	Vanadium	5.8	B		P
7440-66-6	Zinc	59.9			P
74-90-8	Cyanide	0.11	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: BROWN____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS-5

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

Matrix (soil/water): SOIL_ Lab Sample ID: 9609298-09

Level (low/med): LOW__ Date Received: 09/18/96

% Solids: _49.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	2540		*	P
7440-36-0	Antimony_	2.0	B	N	P
7440-38-2	Arsenic__	10.1			P
7440-39-3	Barium__	58.3	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium__	3.3			P
7440-70-2	Calcium__	145000			P
7440-47-3	Chromium_	141			P
7440-48-4	Cobalt___	2.9	B		P
7440-50-8	Copper___	80.2			P
7439-89-6	Iron____	40000			P
7439-92-1	Lead____	47.8			P
7439-95-4	Magnesium	5880			P
7439-96-5	Manganese	90.9			P
7439-97-6	Mercury__	0.06	B		AV
7440-02-0	Nickel___	22.5			P
7440-09-7	Potassium	809	B	N	P
7782-49-2	Selenium_	1.2	B		P
7440-22-4	Silver___	0.70	B		P
7440-23-5	Sodium___	15300			P
7440-28-0	Thallium_	0.79	U	N	P
7440-62-2	Vanadium_	9.2	B		P
7440-66-6	Zinc____	683			P
74-90-8__	Cyanide__	0.42	B	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS-8

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

Matrix (soil/water): SOIL_ Lab Sample ID: 9609298-10

Level (low/med): LOW__ Date Received: 09/18/96

% Solids: _50.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3050		*	P
7440-36-0	Antimony	0.78	U	N	P
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	17.6	B		P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	0.73	B		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	18.4			P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	44.8			P
7439-89-6	Iron	9140			P
7439-92-1	Lead	43.0			P
7439-95-4	Magnesium	6620			P
7439-96-5	Manganese	54.2			P
7439-97-6	Mercury	0.03	B		AV
7440-02-0	Nickel	13.6	B		P
7440-09-7	Potassium	960	B	N	P
7782-49-2	Selenium	1.3	B		P
7440-22-4	Silver	0.39	U		P
7440-23-5	Sodium	15800			P
7440-28-0	Thallium	0.78	U	N	P
7440-62-2	Vanadium	9.0	B		P
7440-66-6	Zinc	306			P
74-90-8	Cyanide	0.14	U	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS-1

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-11

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _63.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2710		*	P
7440-36-0	Antimony	0.62	U	N	P
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	22.8	B		P
7440-41-7	Beryllium	0.09	B		P
7440-43-9	Cadmium	0.35	B		P
7440-70-2	Calcium	124000			P
7440-47-3	Chromium	11.8			P
7440-48-4	Cobalt	0.58	B		P
7440-50-8	Copper	30.0			P
7439-89-6	Iron	4600			P
7439-92-1	Lead	24.0			P
7439-95-4	Magnesium	3900			P
7439-96-5	Manganese	41.2			P
7439-97-6	Mercury	0.02	B		AV
7440-02-0	Nickel	10	B		P
7440-09-7	Potassium	675	B	N	P
7782-49-2	Selenium	0.71	B		P
7440-22-4	Silver	0.31	U		P
7440-23-5	Sodium	9560			P
7440-28-0	Thallium	0.62	U	N	P
7440-62-2	Vanadium	6.5	B		P
7440-66-6	Zinc	106			P
74-90-8	Cyanide	0.10	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: BROWN____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABDPSS

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

Matrix (soil/water): SOIL_ Lab Sample ID: 9609298-12

Level (low/med): LOW__ Date Received: 09/18/96

% Solids: _57.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3270		*	P
7440-36-0	Antimony	0.69	U	N	P
7440-38-2	Arsenic	3.0	B		P
7440-39-3	Barium	19.1	B		P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	0.37	B		P
7440-70-2	Calcium	146000			P
7440-47-3	Chromium	12.8			P
7440-48-4	Cobalt	0.59	B		P
7440-50-8	Copper	63.4			P
7439-89-6	Iron	4890			P
7439-92-1	Lead	25.0			P
7439-95-4	Magnesium	4050			P
7439-96-5	Manganese	43.7			P
7439-97-6	Mercury	0.05	B		AV
7440-02-0	Nickel	9.8	B		P
7440-09-7	Potassium	728	B	N	P
7782-49-2	Selenium	0.69	U		P
7440-22-4	Silver	0.35	U		P
7440-23-5	Sodium	9550			P
7440-28-0	Thallium	0.69	U	N	P
7440-62-2	Vanadium	7.9	B		P
7440-66-6	Zinc	94.1			P
74-90-8	Cyanide	0.12	U	N	AS

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: BROWN____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS-4

ab me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-13

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _68.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	1670	_	*	P_
7440-36-0	Antimony_	0.55	U	N	P_
7440-38-2	Arsenic__	2.6	B		P_
7440-39-3	Barium___	17.1	B		P_
7440-41-7	Beryllium	0.06	B		P_
7440-43-9	Cadmium__	0.32	B		P_
7440-70-2	Calcium__	142000			P_
7440-47-3	Chromium_	8.4			P_
7440-48-4	Cobalt___	0.49	B		P_
7440-50-8	Copper___	35.6			P_
7439-89-6	Iron____	4570			P_
7439-92-1	Lead____	24.7			P_
7439-95-4	Magnesium	3590			P_
7439-96-5	Manganese	36.7			P_
7439-97-6	Mercury__	0.07			AV
7440-02-0	Nickel___	5.0	B		P_
7440-09-7	Potassium	507	B	N	P_
7782-49-2	Selenium_	0.60	B		P_
7440-22-4	Silver___	0.27	U		P_
7440-23-5	Sodium___	8190			P_
7440-28-0	Thallium_	0.55	U	N	P_
7440-62-2	Vanadium_	5.6	B		P_
7440-66-6	Zinc____	139			P_
74-90-8__	Cyanide__	0.10	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: BROWN____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS-7

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-14

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _66.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	2260		*	P
7440-36-0	Antimony_	0.58	U	N	P
7440-38-2	Arsenic__	2.1	B		P
7440-39-3	Barium___	16.1	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium__	0.40	B		P
7440-70-2	Calcium__	137000			P
7440-47-3	Chromium_	10.1			P
7440-48-4	Cobalt___	0.60	B		P
7440-50-8	Copper___	17.8			P
7439-89-6	Iron_____	5240			P
7439-92-1	Lead_____	26.1			P
7439-95-4	Magnesium	7460			P
7439-96-5	Manganese	39.1			P
7439-97-6	Mercury__	0.05			AV
7440-02-0	Nickel___	6.8	B		P
7440-09-7	Potassium	562	B	N	P
7782-49-2	Selenium_	0.58	U		P
7440-22-4	Silver___	0.46	B		P
7440-23-5	Sodium___	8650			P
7440-28-0	Thallium_	0.58	U	N	P
7440-62-2	Vanadium_	5.7	B		P
7440-66-6	Zinc_____	130			P
74-90-8__	Cyanide__	0.10	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: BROWN____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS-9

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-15

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _65.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2120		*	P
7440-36-0	Antimony	0.60	U	N	P
7440-38-2	Arsenic	2.4	B		P
7440-39-3	Barium	19.3	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	0.45	B		P
7440-70-2	Calcium	150000			P
7440-47-3	Chromium	11.0			P
7440-48-4	Cobalt	0.64	B		P
7440-50-8	Copper	23.1			P
7439-89-6	Iron	6320			P
7439-92-1	Lead	30.2			P
7439-95-4	Magnesium	4820			P
7439-96-5	Manganese	43.3			P
7439-97-6	Mercury	0.03	B		AV
7440-02-0	Nickel	7.6	B		P
7440-09-7	Potassium	587	B	N	P
7782-49-2	Selenium	0.70	B		P
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	8870			P
7440-28-0	Thallium	0.60	U	N	P
7440-62-2	Vanadium	6.6	B		P
7440-66-6	Zinc	142			P
74-90-8	Cyanide	0.11	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: BROWN____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ABSS-2

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-16

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _64.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2450		*	P
7440-36-0	Antimony	0.94	B	N	P
7440-38-2	Arsenic	5.6			P
7440-39-3	Barium	19.6	B		P
7440-41-7	Beryllium	0.07	B		P
7440-43-9	Cadmium	1.9			P
7440-70-2	Calcium	141000			P
7440-47-3	Chromium	19.7			P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	60.3			P
7439-89-6	Iron	38600			P
7439-92-1	Lead	39.5			P
7439-95-4	Magnesium	4480			P
7439-96-5	Manganese	154			P
7439-97-6	Mercury	0.03	B		AV
7440-02-0	Nickel	24.5			P
7440-09-7	Potassium	634	B	N	P
7782-49-2	Selenium	0.61	U		P
7440-22-4	Silver	0.30	U		P
7440-23-5	Sodium	8950			P
7440-28-0	Thallium	0.61	U	N	P
7440-62-2	Vanadium	7.3	B		P
7440-66-6	Zinc	447			P
74-90-8	Cyanide	0.10	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: FINE__

olor After: BROWN____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1SS-2

ıa me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ıab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-17

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _60.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	326	_	*	P
7440-36-0	Antimony_	0.63	U	N	P
7440-38-2	Arsenic__	3.0	B		P
7440-39-3	Barium__	8.6	B		P
7440-41-7	Beryllium	0.03	U		P
7440-43-9	Cadmium__	0.08	B		P
7440-70-2	Calcium__	296000			P
7440-47-3	Chromium_	5.7	_		P
7440-48-4	Cobalt__	0.32	U		P
7440-50-8	Copper__	22.7	_		P
7439-89-6	Iron____	3380	_		P
7439-92-1	Lead____	42.9	_		P
7439-95-4	Magnesium	7530	_		P
7439-96-5	Manganese	21.7	_		P
7439-97-6	Mercury__	0.04	B		AV
7440-02-0	Nickel__	1.8	B		P
7440-09-7	Potassium	481	B	N	P
7782-49-2	Selenium_	0.63	U		P
7440-22-4	Silver__	0.32	U		P
7440-23-5	Sodium__	10000			P
7440-28-0	Thallium_	0.63	U	N	P
7440-62-2	Vanadium_	5.1	B		P
7440-66-6	Zinc____	28.4			P
74-90-8__	Cyanide__	0.11	U	N	AS

olor Before: GREY_____ Clarity Before: _____ Texture: FINE__

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1SS-3

ab Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-18

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _75.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	925		*	P
7440-36-0	Antimony	0.49	U	N	P
7440-38-2	Arsenic	4.1			P
7440-39-3	Barium	7.4	B		P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.09	B		P
7440-70-2	Calcium	316000			P
7440-47-3	Chromium	5.5			P
7440-48-4	Cobalt	0.25	U		P
7440-50-8	Copper	21.6			P
7439-89-6	Iron	3090			P
7439-92-1	Lead	46.8			P
7439-95-4	Magnesium	4700			P
7439-96-5	Manganese	18.1			P
7439-97-6	Mercury	0.04			AV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	272	B	N	P
7782-49-2	Selenium	0.49	U		P
7440-22-4	Silver	0.25	U		P
7440-23-5	Sodium	5330			P
7440-28-0	Thallium	0.49	U	N	P
7440-62-2	Vanadium	7.6	B		P
7440-66-6	Zinc	39.0			P
74-90-8	Cyanide	0.09	U	N	AS

olor Before: GREY_____ Clarity Before: _____ Texture: COURSE

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1SS-5

a. me: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-19

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _72.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	387		*	P
7440-36-0	Antimony	0.56	U	N	P
7440-38-2	Arsenic	2.7	B		P
7440-39-3	Barium	7.0	B		P
7440-41-7	Beryllium	0.03	U		P
7440-43-9	Cadmium	0.07	B		P
7440-70-2	Calcium	281000			P
7440-47-3	Chromium	3.5			P
7440-48-4	Cobalt	0.28	U		P
7440-50-8	Copper	21.8			P
7439-89-6	Iron	2820			P
7439-92-1	Lead	226			P
7439-95-4	Magnesium	13500			P
7439-96-5	Manganese	29.6			P
7439-97-6	Mercury	0.09			AV
7440-02-0	Nickel	1.2	B		P
7440-09-7	Potassium	379	B	N	P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	0.28	U		P
7440-23-5	Sodium	6050			P
7440-28-0	Thallium	0.56	U	N	P
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	43.1			P
74-90-8	Cyanide	0.09	U	N	AS

olor Before: GREY_____ Clarity Before: _____ Texture: FINE__

olor After: CLEAR____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

I1SS-4

a. Name: GENERAL_ENGINEERING_LABS_ Contract: HALI00396_

ab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69298S

atrix (soil/water): SOIL_ Lab Sample ID: 9609298-20

evel (low/med): LOW__ Date Received: 09/18/96

Solids: _81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	615		*	P
7440-36-0	Antimony_	1.2	B	N	P
7440-38-2	Arsenic__	12.1			P
7440-39-3	Barium___	7.5	B		P
7440-41-7	Beryllium	0.02	U		P
7440-43-9	Cadmium__	0.31	B		P
7440-70-2	Calcium__	196000			P
7440-47-3	Chromium_	17.2			P
7440-48-4	Cobalt___	2.4	B		P
7440-50-8	Copper___	40.3			P
7439-89-6	Iron_____	32600			P
7439-92-1	Lead_____	112			P
7439-95-4	Magnesium	4070			P
7439-96-5	Manganese	105			P
7439-97-6	Mercury__	0.11			AV
7440-02-0	Nickel___	12.0			P
7440-09-7	Potassium	318	B	N	P
7782-49-2	Selenium_	0.46	U		P
7440-22-4	Silver___	0.23	U		P
7440-23-5	Sodium___	4380			P
7440-28-0	Thallium_	0.46	U	N	P
7440-62-2	Vanadium_	10.2	B		P
7440-66-6	Zinc_____	163			P
74-90-8__	Cyanide__	0.08	U	N	AS

olor Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

olor After: BROWN____ Clarity After: _____ Artifacts: _____

omments:

FORM I - IN ILM02.1